# **ECONSTOR** Make Your Publications Visible.

A Service of



Leibniz-Informationszentrum Wirtschaft Leibniz Information Centre for Economics

Du Caju, Philip; Rycx, François; Tojerow, Ilan

### Working Paper Inter-industry wage differentials: how much does rent sharing matter?

ECB Working Paper, No. 1103

**Provided in Cooperation with:** European Central Bank (ECB)

*Suggested Citation:* Du Caju, Philip; Rycx, François; Tojerow, Ilan (2009) : Inter-industry wage differentials: how much does rent sharing matter?, ECB Working Paper, No. 1103, European Central Bank (ECB), Frankfurt a. M.

This Version is available at: https://hdl.handle.net/10419/153537

#### Standard-Nutzungsbedingungen:

Die Dokumente auf EconStor dürfen zu eigenen wissenschaftlichen Zwecken und zum Privatgebrauch gespeichert und kopiert werden.

Sie dürfen die Dokumente nicht für öffentliche oder kommerzielle Zwecke vervielfältigen, öffentlich ausstellen, öffentlich zugänglich machen, vertreiben oder anderweitig nutzen.

Sofern die Verfasser die Dokumente unter Open-Content-Lizenzen (insbesondere CC-Lizenzen) zur Verfügung gestellt haben sollten, gelten abweichend von diesen Nutzungsbedingungen die in der dort genannten Lizenz gewährten Nutzungsrechte.

#### Terms of use:

Documents in EconStor may be saved and copied for your personal and scholarly purposes.

You are not to copy documents for public or commercial purposes, to exhibit the documents publicly, to make them publicly available on the internet, or to distribute or otherwise use the documents in public.

If the documents have been made available under an Open Content Licence (especially Creative Commons Licences), you may exercise further usage rights as specified in the indicated licence.



### WWW.ECONSTOR.EU



#### WAGE DYNAMICS NETWORK

### WORKING PAPER SERIES NO 1103 / OCTOBER 2009

### B EZB EKT EKP

INTER-INDUSTRY WAGE DIFFERENTIALS

HOW MUCH DOES RENT SHARING MATTER?

by Philip Du Caju, François Rycx and Ilan Tojerow





NO IIO3 / OCTOBER 2009

WAGE DYNAMICS NETWORK

### INTER-INDUSTRY WAGE DIFFERENTIALS

## HOW MUCH DOES RENT SHARING MATTER?'

by Philip Du Caju<sup>2</sup>, François Rycx<sup>3</sup> and Ilan Tojerow<sup>3</sup>

This paper can be downloaded without charge from

electronic library at http://ssrn.com/abstract\_id=1485326.

http://www.ecb.europa.eu or from the Social Science Research Network



In 2009 all ECB publications feature a motif taken from the €200 banknote.





 We thank the participants at the Eurosystem Wage Dynamics Network and at the LARGE-CEB annual conference in Economics and Finance (Strasbourg, September 2008) for their helpful comments and suggestions. The authors are grateful to Statistics Belgium for giving access to the Belgian Structure of Earnings Survey and Structure of Business Survey. The views expressed in this paper are those of the authors and do not necessarily reflect those of the European Central Bank or the Eurosystem 2 National Bank of Belgium (NBB), Boulevard de Berlaimont 14, B-1000 Brussels, Belgium; e-mail: philip.ducaju@nbb.be

3 Free University of Brussels, avenue F.D. Roosevelt 50, B-1050 Brussels, Belgium; DULBEA, NBB and IZA-Bonn; e-mail: frycx@ulb.ac.be and itojerow@ulb.ac.be





#### Wage Dynamics Network

This paper contains research conducted within the Wage Dynamics Network (WDN). The WDN is a research network consisting of economists from the European Central Bank (ECB) and the national central banks (NCBs) of the EU countries. The WDN aims at studying in depth the features and sources of wage and labour cost dynamics and their implications for monetary policy. The specific objectives of the network are: i) identifying the sources and features of wage and labour cost dynamics that are most relevant for monetary policy and ii) clarifying the relationship between wages, labour costs and prices both at the firm and macro-economic level.

The WDN is chaired by Frank Smets (ECB). Giuseppe Bertola (Università di Torino) and Julian Messina (Universitat de Girona) act as external consultants and Ana Lamo (ECB) as Secretary.

The refereeing process of this paper has been co-ordinated by a team composed of Gabriel Fagan (ECB, chairperson), Philip Vermeulen (ECB), Giuseppe Bertola, Julian Messina, Jan Babecký (CNB), Hervé Le Bihan (Banque de France) and Thomas Mathä (Banque centrale du Luxembourg).

The paper is released in order to make the results of WDN research generally available, in preliminary form, to encourage comments and suggestions prior to final publication. The views expressed in the paper are the author's own and do not necessarily reflect those of the ESCB.

#### © European Central Bank, 2009

Address

Kaiserstrasse 29 60311 Frankfurt am Main, Germany

#### **Postal address**

Postfach 16 03 19 60066 Frankfurt am Main, Germany

**Telephone** +49 69 1344 0

Website http://www.ecb.europa.eu

Fax

+49 69 1344 6000

All rights reserved.

Any reproduction, publication and reprint in the form of a different publication, whether printed or produced electronically, in whole or in part, is permitted only with the explicit written authorisation of the ECB or the author(s).

The views expressed in this paper do not necessarily reflect those of the European Central Bank.

The statement of purpose for the ECB Working Paper Series is available from the ECB website, http://www.ecb.europa. eu/pub/scientific/wps/date/html/index. en.html

ISSN 1725-2806 (online)

### CONTENTS

Abstract					
Non-technical summary					
1	Introduction				
2	Review of the literature				
	2.1 The	role of unobserved ability	10		
	2.2 The	role of employers' characteristics	Ш		
3	Descript	ion of the data	13		
4	Wage regressions				
	4.1 Met	thodology	16		
	4.2 Wa	ge regressions	17		
5	Inter-industry wage differentials				
6	Inter-industry wage differentials				
	and rent-sharing				
		w big and significant is the wage-profit sticity?	22		
	6.2 Inte	r-industry wage differentials:			
	how	w much does rent-sharing matter?	26		
7	Conclusion				
References					
Tables					
Appendices					
European Central Bank Working Paper Series					

3

### Abstract

This paper investigates inter-industry wage differentials in Belgium, taking advantage of access to a unique matched employer-employee data set covering all the years from 1999 to 2005. Findings show the existence of large wage differentials among workers with the same observed characteristics and working conditions, employed in different sectors. These differentials are persistent and no particular downward or upward trend is observed. Further results indicate that *ceteris paribus*, workers earn significantly higher wages when employed in more profitable firms. The time dimension of our matched employer-employee data allows us to instrument firms' profitability by its lagged value. The instrumented elasticity between wages and profits is found to be quite stable over time and varies between 0.034 and 0.043. It follows that Lester's range of pay due to rent sharing fluctuates between about 24 and 37 percent of the mean wage. This rent-sharing phenomenon accounts for a large fraction of the industry wage differentials. We find indeed that the magnitude, dispersion and significance of industry wage differentials decreases sharply when controlling for profits.

Keywords: Industry wage differentials, Rent-sharing, Matched employer-employee data.

JEL Classification: D31, J31, J41.

#### Non-technical summary

The existence of sectoral effects on workers' wages has become an accepted fact in the economic literature, and has in the past also been highlighted for Belgium. Yet, the reason for the existence of inter-industry wage differentials remains a complex and unresolved puzzle. Indeed, the role of unmeasured abilities in explaining inter-industry wage differentials is still unsettled. Moreover, while studies on industry wage premia offer some evidence against the perfectly competitive model, they hardly allow to discriminate among alternative models supporting the existence of an effect of employers' characteristics on employees' wages. In particular, little is known on the contribution of rent-sharing to the observed industry wage differentials.

This paper adds to this literature by analysing the structure and stability of industry wage differentials in the Belgian private sector over the period 1999-2005, and by examining the role of rent-sharing as possible explanation. Three central questions are addressed: i) Are sectoral differences persistent over time?, ii) How large is the elasticity between wages and profits, controlling for the endogeneity of profits, and does it change over time?, iii) What is the contribution of rent-sharing to the observed industry wage differentials, and is it stable over time?

These questions are investigated on the basis of a unique matched employer-employee data set covering the period 1999-2005. This data set derives from the combination of the *Structure of Earnings Survey* and the *Structure of Business Survey*. The former contains detailed information on firm characteristics (e.g. sector of activity, size of the firm, and level of wage bargaining) and on individual workers (e.g. gross hourly wages, bonuses, age, education, sex, and occupation). The latter provides firm-level information on financial variables (e.g. gross operating surplus and value added per capita).

Our findings show the existence of large and persistent wage differentials among workers with the same observed characteristics and working conditions, employed in different sectors. We also note that the hierarchy of sectors in terms of wages is very stable over time and that the sectoral wage structure reported for Belgium is quite similar to that observed in other industrialised countries. To put it differently, it appears that high and low wage industries do not vary substantially across countries.

Working Paper Series No 1103 October 2009 Further results indicate that *ceteris paribus*, workers earn significantly higher wages when employed in more profitable firms. We find that *ceteris paribus* the wage of a worker would increase by approximately one-third if she/he switched jobs from a firm whose profits are two standard deviations below the mean of profits to another firm whose profits are two standard deviations above the mean.

Finally, results show that substantial wage differentials are still recorded in all years between workers employed in different sectors after controlling for rent-sharing. Also noteworthy is that the hierarchy of sectors in terms of wages remains almost unchanged. However, the proportion of significant inter-industry wage differentials decreases from around 82 to 45 percent. We also find that the dispersion in inter-industry wage differentials drops by about 25 percent when profits are taken into account. These findings suggest that rent-sharing accounts for a large fraction of inter-industry wage differentials.

#### 1. Introduction

Since the work by Mincer (1974), a wide literature on wage adjustments has developed examining both the returns to workers' characteristics (education, tenure, etc.) and relative wages or wage differentials among industries and occupations. The empirical debate about the causes of earnings inequalities was reopened at the end of the 1980s by an article by Krueger and Summers (1988). They showed that wage disparities persisted between agents with identical observed individual characteristics and working conditions, employed in different sectors. Since then, similar results have been obtained for many industrialised countries (Araï et al., 1996; Ferro-Luzzi, 1994; Hartog et al., 1997, 2000; Lucifora, 1993; Plasman et al., 2006; Vaïniomaki and Laaksonen, 1995). Accordingly, the existence of sectoral effects on workers' wages has become an accepted fact in the economic literature. The existence of inter-industry wage differentials in Belgium, for both male and female workers, has in the past been highlighted by Rycx (2002) and Rycx and Tojerow (2002). Using cross-sectional data for 1995, the latter show that their structure is comparable with that observed in the other industrialised countries and that they result in part from the characteristics of the employers in each sector, findings which were recently confirmed in Du Caju et al. (2008), Plasman et al. (2006) and Rycx et al. (2008).

Yet, the reason for the existence of inter-industry wage differentials remains a complex and unresolved puzzle. Indeed, the role of unmeasured abilities in explaining inter-industry wage differentials is still unsettled. To put it differently, there is no consensus on whether workers with better unmeasured abilities are over-represented in high-wage sectors (Abowd et al., 1999; Björklund et al., 2007; Carruth et al., 2004; Gibbons and Katz, 1992; Goux and Maurin, 1999; Martins, 2004b). Moreover, while studies on industry wage premia offer some evidence against the perfectly competitive model, they hardly allow to discriminate among alternative models supporting the existence of an effect of the employers' characteristics on wages (Benito, 2000; Krueger and Summers, 1988; Lindbeck and Snower, 1990; Thaler, 1989; Walsh, 1999). In particular, little is known on the contribution of rent-sharing to the observed industry wage differentials.

The present paper adds to this literature by analysing the structure and stability of industry wage differentials in the Belgian private sector over the period 1999-2005, and by examining the role of rent-sharing as possible explanation. Studies by Du Caju et al. (2008) and Plasman

et al. (2006) have shown that inter-industry wage differentials in Belgium, as in a number of other European countries, can only partially be explained by workers' unobserved abilities. Plasman et al. (2006) also show that Belgian firms share rents with their workers, and that rent-sharing explains a significant fraction of inter-industry wage differentials. However, their results only refer to the year 1995 and their estimate of the wage-profit elasticity is likely to be upward biased as their contemporaneous instruments for profits are not the most appropriate to control for efficiency wage effects. Moreover, using data for the years 1995, 1999 and 2002, they found that the dispersion in inter-industry wage differentials steadily decreased between 1995 and 2002. Yet, given that their results are based on only three periods, it is impossible to determine whether industry wage differentials in Belgium are characterised by a negative trend or by cycle effects around a stable mean.

In all, many uncertainties remain about the size, evolution and appropriate theoretical interpretation of the industry wage differentials in Belgium. This paper aims to partially fill this gap by addressing the following questions:

- i) Are sectoral differences in pay a temporary phenomenon or do they persist over time?
- i) How large is the elasticity between wages and profits, controlling for the endogeneity of profits, and does it change over time?
- ii) What is the contribution of rent-sharing to the observed industry wage differentials, and is it stable over time?

To address these questions, we rely on a unique matched employer-employee data set. This data set derives from the combination of the *Structure of Earnings Survey* and the *Structure of Business Survey* for all the years from 1999 to 2005. The former contains detailed information on firm characteristics (e.g. sector of activity, size of the firm, and level of wage bargaining) and on individual workers (e.g. gross hourly wages, bonuses, age, education, sex, and occupation). The latter provides firm-level information on financial variables (e.g. gross operating surplus and value added per capita).

The remainder of this paper is organised as follows. In the next section a review of the literature on the magnitude and sources of industry wage differentials is presented. Section 3 describes the data used in the paper and displays summary statistics. The methodology to compute inter-industry wage differentials and the estimates of the effects of individual, job

and employer characteristics on workers' wages are presented in section 4. Section 5 examines the size, dispersion and stability of industry wage differentials in the Belgian private sector over the period 1999-2005. Section 6 analyses the elasticity between wages and profits and the contribution of rent-sharing to the observed industry wage differentials. The last section concludes.

#### 2. Review of the Literature

According to the standard Walrasian (competitive) model of the labour market, in which the equilibrium wage is determined by marginal productivity, two agents with identical productive characteristics necessarily receive identical wages. However, so-called compensating differences may occur between similar individuals with different working conditions. Indeed, the disutility undergone by one individual following the performance of a task in an unfavourable situation may lead to wage compensation. This simple description of the wage determination process has been challenged by the pioneering observations of Slichter (1950) and more recently by Dickens and Katz (1987), Krueger and Summers (1988) and Katz and Summers (1989). These authors have demonstrated that pay differentials existed in the U.S. between workers with the same observable individual characteristics and working conditions but employed in different sectors. In recent years, comparable results have been obtained for a large number of countries (Araï et al., 1996; Hartog et al., 1997, 2000; Lucifora, 1993; Vainiomäki and Laaksonen, 1995). Moreover, it has been shown that the structure of inter-industry wage differentials is quite persistent and strongly correlated between countries but that its scale varies considerably between industrialised countries (Helwege, 1992; Zanchi, 1992). A number of studies, except that of Björklund et al. (2007), suggest in addition that sectoral effects are significantly weaker in strongly corporatist countries, regardless of the period studied (Barth and Zweimüller, 1992; Edin and Zetterberg, 1992; Gannon et al., 2007; Kahn, 1998; Teulings and Hartog, 1998).

Overall, the existence of sectoral wage premia increasingly casts doubt on the assumption of a perfectly competitive labour market. Indeed, it suggests that individual wages are not solely determined by personal productive characteristics and task descriptions but also by employer features in each sector. Nevertheless, great uncertainty remains.

#### 2.1. The Role of Unobserved Ability

Uncertainty derives from the fact that the unobserved quality of the labour force might not be randomly distributed across industries. In other words, high-paying industries might simply be those in which unmeasured labour quality is highest. Almost all studies examining the unobserved quality explanation rely on panel data. They compute industry wage premia on the basis of a wage equation estimated in first-differences so as to control for time-invariant unobserved individual ability. Results put forth by these studies are mixed. Krueger and Summers (1988), for example, show for the U.S. that the magnitude of inter-industry wage differentials decreases only marginally when wage equations are estimated in first-differences rather than in levels. A similar result has been reported by Gibbons and Katz (1992) on the basis of U.S. data from plant closings. In contrast, Abowd et al. (1999), Goux and Maurin (1999) and Murphy and Topel (1990), show that individual fixed effects explain a large fraction of estimated inter-industry wage differentials in the U.S. and France. Using longitudinal data from the British Household Panel Survey, Benito (2000) and Carruth *et al.* (2004) also provide strong evidence in favour of the unobserved quality explanation.

Longitudinal data allow to control for fixed unobserved individual characteristics and thus present a major advantage compared with cross-sectional data. Yet, the use of panel data generates specific problems that are not encountered with cross-sectional data. Indeed, first-difference estimates may be biased if: i) the number of workers changing industries is small, ii) workers who switch industries have non random characteristics, and iii) unobserved labour quality is not equally valued across industries. Fixed effects estimations are also more affected by measurement errors (i.e. errors in reporting changes in workers' sectoral affiliation) since they exclusively focus on individuals switching industries. A final issue concerns the return-to-tenure component of the wage equation (Björklund et al., 2007). Indeed, it is argued that fixed effects estimates are biased since the tenure effect is likely to be underestimated for individuals who have just switched industries.

To avoid the problems encountered with first-difference estimates, Björklund et al. (2007) examined the role of unobserved ability in explaining inter-industry wage differentials using data on siblings. Their results show that unobserved ability accounts for approximately 50 percent of inter-industry wage dispersion in the U.S. and for between 11 and 24 percent in the Scandinavian countries. The unobserved quality explanation has further been tested with

cross-sectional data by Martins (2004a). Applying quantile regressions to a Portuguese matched employer-employee data set for 1995, the author rejects the hypothesis that high-wage industries draw disproportionately more on high-ability workers. Consequently, he suggests that non-competitive forces play an important role in the wage determination process. Using the same methodology, Du Caju et al. (2008) and Plasman et al. (2006) end up with a different conclusion for the Belgian economy. Their findings, based on matched employer-employee data for 1995 and 2002, suggest that unobserved ability is partially responsible for observed wage differentials.

#### **2.2.** The Role of Employers' Characteristics

All in all, there is no consensus regarding the exact scale of industry wage premia. Moreover, while studies on industry wage premia offer some evidence against the perfectly competitive model, they hardly allow to discriminate among alternative models supporting the existence of an effect of employer characteristics on wages (Benito, 2000; Krueger and Summers, 1988; Lindbeck and Snower, 1990; Thaler, 1989; Walsh, 1999). Prima facie, wage disparities observed between sectors support the efficiency wage theory. Indeed, the latter shows that if the incentive conditions for effort vary between sectors, then two workers with identical productive characteristics and working conditions are likely to earn different wages. For instance, according to the effort version of the efficiency wage theory, large companies would find it in their interest to offer relatively higher wages to their employees because they face higher costs to monitor effort.

However, this theory does not explain why the scale of inter-industry wage differentials varies between countries and appears to be more compressed in corporatist countries. The motives for companies to pay efficient wages, i.e. wages above the competitive level, actually seem to be similar among industrialised countries. Therefore, some authors (e.g. Teulings and Hartog, 1998) believe that the explanation put forward by Holmlund and Zetterberg (1991), based upon the rent-sharing theory, is more compelling. Holmlund and Zetterberg (1991) showed that the influence of sectoral conditions (variations in prices and productivity) on wages is strong in the U.S., moderate in Germany and low in the Scandinavian countries. The elasticity between sectoral environment and wages thus appears to be more pronounced in non-corporatist countries. To put it differently, determination of wages would depend more on the general macro-economic conditions in corporatist countries. This may be due to the fact that

explicit or implicit co-ordination of wage bargaining in corporatist countries restricts workers' insider power, or in other words their ability to obtain part of the sectoral rents. It is also argued that the policy of 'wage solidarity' pursued by unions in most corporatist countries reinforces this phenomenon (Vainiomäki and Laaksonen, 1995). In sum, this strand of the literature suggests that rent-sharing is partly responsible for observed sectoral wage premia and for their apparently higher dispersion in non-corporatist countries.

However, this conclusion should be drawn with care for at least two reasons. Firstly, the hypothesis that the dispersion of inter-industry wage differentials is significantly lower in corporatist countries has been challenged by Björklund et al. (2007). Using data on siblings, the latter find that inter-industry wage differentials are not significantly larger in the U.S. than in Scandinavian countries, after controlling for unobserved factors shared by brothers. Secondly, more convincing evidence on the existence and magnitude of rent-sharing is provided by studies that directly estimate the elasticity between wages and profits (or valueadded) with firm-level or matched worker-firm data (Abowd and Lemieux, 1993; Araï, 2003; Blanchflower et al., 1996; Christophides and Oswald, 1992; Fakhfakh and FitzRoy, 2004; Goos and Konings, 2001; Gürtzgen, 2005; Hildreth and Oswald, 1997; Margolis and Salvanes, 2001; Martins 2004b; Rycx and Tojerow, 2004; Van Reenen, 1996). Findings from this literature show that profitable firms pay higher wages even after detailed personal and firm characteristics are controlled for. Nevertheless, it is still unclear whether pay-profit elasticity is larger in countries with little centralisation or corporatism. Moreover, the evidence on whether rent-sharing contributes to the explanation of inter-industry wage differentials is very limited. Yet, several papers support the hypothesis that industry wage premia result from inter-sectoral variations in 'ability to pay', i.e. profits. For example, Kouwenberg and van Opstal (1999) show that industry wage differentials in the Netherlands are positively and significantly correlated to industry profits. A similar result is reported for the U.K. by Benito (2000) and for six member states of the European Union by Gannon et al. (2007). In contrast, Genre et al. (2005) find no significant relationship between industry wage premia and sectoral profits in the Euro area. However, this may be explained by data restrictions. A more explicit test of the contribution of rent-sharing to observed inter-industry wage differentials is provided by Plasman et al. (2006). The authors show that Belgian firms share rents with their workers, and that rent-sharing explains a significant fraction of interindustry wage differentials. However, their results only refer to the year 1995 and their estimate of the wage-profit elasticity is likely to be upward biased as their contemporaneous instruments for profits are not the most appropriate to control for efficiency wage effects. Hence, the assessment of how rent-sharing contributes to the inter-industry wage differentials deserves to be re-examined with more recent and detailed data.

#### 3. Description of the Data

The present study is based upon the Structure of Earnings Survey (SES) and the Structure of Business Survey (SBS) carried out by Statistics Belgium. The SES, currently available for the years 1999 to 2005, is a large matched worker-firm data set. It covers the Belgian firms employing at least ten workers whose economic activities fall within sections C to K of the Nace Rev. 1 nomenclature. It thus encompasses the following sectors: mining and quarrying (C), manufacturing (D), electricity and water supply (E), construction (F), wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods (G), hotels and restaurants (H), transport, storage and communication (I), financial intermediation (J), real estate, renting and business activities (K). The survey contains a wealth of information, provided by the management of the establishments, both on establishment-level characteristics (e.g. sector of activity, size of the establishment, and level of wage bargaining) and individual workers (e.g. education, age, seniority, number of working hours paid, gender, occupation, gross hourly wages, annual bonuses). Gross hourly wages – *excluding* bonuses<sup>1</sup> – are calculated by dividing total gross earnings (including earnings for overtime hours and premiums for shift work, night work and/or weekend work) in the reference period (October) by the corresponding number of total paid hours (including paid overtime hours). In contrast, gross hourly wages - including bonuses - are obtained by adding to the gross hourly wages (excluding bonuses) the annual bonuses divided by: i) the number of month to which the bonuses correspond and ii) the number of total paid hours in the reference period, respectively.

The 1999 wave of the SES was conducted using a representative sample of 113,076 individuals working for 4,801 establishments. After the exclusion of individuals for whom one of the variables used entailed an incorrect or missing observation, the number of

<sup>&</sup>lt;sup>1</sup> Annual bonuses include irregular payments which do not occur during each pay period, such as pay for holiday, 13<sup>th</sup> month or profit-sharing.

individuals in the sample has dropped to 102,563 units working in 4,548 establishments.<sup>2</sup> A similar filtering process has been applied to the other waves of the SES (covering the years from 2000 to 2005). The initial surveys included between 100,203 (in 2004) and 109,952 (in 2001) observations. However, the exclusion of incorrect or missing values brought the definitive samples at between 94,909 (in 2004) and 106,575 (in 2001) individuals.

The SES provides no financial information. However, a central objective of this paper is to estimate the elasticity between wages and profits at the firm level and to measure the contribution of rent-sharing to the observed industry wage differentials. To attain these goals the SES has been merged with a firm level survey, the *Structure of Business Survey* (SBS). The SBS, conducted by Statistics Belgium, provides information on financial variables such as the firm-level value added and gross operating surplus per worker. The coverage of the SBS differs from the SES in that it does not include the financial sector (NACE J). Moreover, when it is merged to the SES at the firm level (in section 6), many observations are lost. The final samples, combining the SES and the SBS, contain between 37,574 (in 2000) and 56,310 (in 2005) individuals working for between 1,133 (in 2000) and 2,238 (in 2005) firms. They are representative of all firms employing at least 20 workers within sections C to K of the Nace Rev.1 nomenclature, with the exception of the financial sector.

#### [Insert Table 1]

Table 1 sets out the means and standard deviations of gross hourly wages, as well as the structure of selected variables in the SES for the years 1999 to 2005.<sup>3</sup> We note that the gross hourly wage (including bonuses) has been increasing from 14.4 EUR in 1999 to 17.2 EUR in 2005. On average, i) three-quarters of the workers have at most a degree from the upper secondary school, ii) the age structure of the workforce is at follows: 22 percent of workers younger than 30, 62 percent of prime aged workers (between 30 and 49 years) and 16 percent of older workers (with at least 50 years)<sup>4</sup>, iii) over the whole period, almost 40 percent of the workers have at least 10 years of seniority, iv) the proportion of women is slightly below one-third for each year, v) more than 90 percent of the workers have a permanent employment

<sup>&</sup>lt;sup>2</sup> Workers with earnings below the 1st percentile or above the 99th percentile have also been excluded.

<sup>&</sup>lt;sup>3</sup> Descriptive statistics relative to the merged SES-SBS samples are reported in Appendix 1.

<sup>&</sup>lt;sup>4</sup> Note that the proportion of young workers has decreased (from 25.4 to 22 percent) between 1999 and 2005, while the fraction of older workers has increased (from 14 to 17.3 percent).

contract between 1999 and 2005 and vi) around 10 percent of the employees are working parttime during the 6 years covered by the sample. Moreover, we find that on average almost 40 percent of the workers are employed in establishment with 200 employees or more and that the vast majority of the workforce is concentrated in firms essentially owned by private capitals. Finally, let us notice that the proportion of workers employed in firms where wages are collective renegotiated in house varies between 28 (in 1999) and 31 percent (in 2005). The proportion of workers whose wages are solely determined through national and/or sectoral collective agreements thus stands at around 70 percent.

#### [Insert Table 2]

Tables 2 and 3 show respectively the distribution of employment across sectors and the mean gross hourly wage (including bonuses) in each industry. Figures in Table 2 indicate that more than 30 percent of the workers are concentrated in the four following sectors: i) other business activities (NACE 74), ii) retail trade, repair of personal and household goods (NACE 52), iii) wholesale trade and commission trade (NACE 51), and iv) construction (NACE 45). A large fraction of the workforce is also employed in the manufacture of food products and beverages (NACE 15), the manufacture of chemicals and chemical products (NACE 24), and the financial intermediation sector (NACE 65).

#### [Insert Table 3]

Table 3 reveals in addition that mean gross hourly wages (including bonuses) fluctuate considerably across sectors. On average, the best paying industry is the electricity, gas, steam and hot water supply sector. The average worker there earns around 24.6 EUR per hour. This sector is followed by the manufacture of coke, refined petroleum and nuclear fuel industries (23.2 EUR), the financial intermediation sector (22.2 EUR), the insurance and pension funding sector (20.6 EUR), and the manufacture of chemicals and chemical products (20.0 EUR).

The hotels and restaurant sector is at the very bottom of the wage scale. The average worker's hourly wage here is 9.8 EUR, approximately 250 percent less than that of the average worker in the best paying industry. At the bottom of the scale, we likewise find the manufacture of

wearing apparel (11.7 EUR), the manufacture of furniture (12.1 EUR), the manufacture of wood and products of wood and cork (12.1 EUR), and the land transport sector (12.1 EUR).

Where do these substantial gross wage differentials come from? Can they be accounted for solely by the sectoral heterogeneity in workers productive characteristics and working conditions, or do they also derive from the specific features of the employers in each firm, e.g. profits ? These questions, among others, are analysed in the remainder of this paper.

#### 4. Wage Regressions

#### 4.1. Methodology

The methodology that has been adopted to estimate the magnitude and dispersion of interindustry wage differentials in the Belgian private sector over the period 1999-2005 is consistent with that of Krueger and Summers (1988). However, the standard errors of the industry wage differentials have been corrected according to Zanchi (1992).

Overall, this strategy rests upon the estimation, for each period, of the following Mincer-type (1974) wage equation:

$$w_i = \alpha + \sum_{r=1}^R \delta_r X_{r,i} + \sum_{k=1}^K \psi_k Y_{k,i} + \sum_l \lambda_l Z_{l,i} + \varepsilon_i$$
<sup>(1)</sup>

where  $w_i$  is the logarithm of the gross hourly wage of worker i (i = 1,..., N); X is a vector of individual and job characteristics (a dummy for sex, 6 dummies for the highest completed level of education, 8 dummies for the age of the worker, 3 dummies for the number of years of tenure, 2 dummies for the type of employment contract, a dummy indicating if the worker is part-time, a variable showing whether the individual received a bonus for shift, night and/or weekend work, a dummy for paid overtime and 22 occupational dummies), Y comprises dummy variables relating to individuals's sector affiliation (nomenclature available both at the NACE two- and three-digit level); Z contains employer characteristics (7 dummies for the size of the establishment, a dummy for the type of financial and economic control and a dummy for the level of collective wage bargaining);  $\alpha$  is the intercept;  $\delta$ ,  $\psi$  and  $\lambda$  are the parameters to be estimated and  $\varepsilon_i$  is the error term.

#### 4.2. Wage Regressions

Before embarking upon the analysis of the effects of workers' sectoral affiliation on wages, we briefly discuss the results from equation (1) that has been estimated for each period by OLS with White (1980) heteroscedasticity-consistent standard errors.

#### [Insert Table 4]

Results in Table 4 show, in line with human capital theory, that the level of education exercises a substantial positive influence upon wages. However, the return associated with each level of education is not very stable over time. Indeed, compared to someone with a primary education qualification (or no degree), the wage differential fluctuates from 3.9 to 8.5 percent<sup>5</sup> for someone with a general upper secondary education, from 10.3 to 16.9 percent for someone qualified on a short non-university higher education course, from 24.9 to 30.9 percent for someone with a long non-university or university higher education, and from 33.2 to 43.9 percent for an individual who has obtained a postgraduate degree.

Not surprisingly, we also see a significant and positive relation between wages and workers' age. Yet, the return on age becomes smaller for workers aged 60 or more (except in 1999). Given that age is used as proxy for workers' general labour market experience, results seem to support the hypothesis of an inverted U-shaped relationship between wages and experience. This hypothesis rests upon the idea that the investment in human capital (specific training and accumulation by work) diminishes over time and that the stock of human capital suffers from some degree of obsolescence (Flamand and Plasman, 2006; Lallemand and Rycx, 2008).

The relationship between wages and seniority in the company is also clearly positive (but not in the form of a bell). This result can be explained through the almost automatic increase in wages as a function of years of seniority (essentially for white-collar workers) and through the

 $<sup>^{5}</sup>$  Technically, this figure is obtained by taking the antilog (to base e) of the estimated dummy coefficient from which 1 is subtracted (x 100).

progression in the earnings classification (i.e. promotion by seniority). It also illustrates the fact that companies reward human capital that is specific to their working environment. Finally, these results support the 'turnover' version of the efficiency wage theory (Stiglitz, 1974) according to which companies grant a bonus to workers who are faithful to them.

The dummy variable relating to gender suggests that, all other things being equal, women are paid wages which are between 10 and 12 percent lower than those of men. This result is in line with the growing literature on the gender wage gap in Belgium. Jepsen (2001) shows, for instance, on the basis of the 1994 and 1995 Panel Study of Belgian Households (PSBH), that the sex wage gap between full-time workers stands at around 15 percent and that only a small part of it can be explained by gender differences in endowments. In contrast, using the 1995 Structure of Earnings Survey (SES), Plasman et al. (2001) suggest that the wage gap between (all) men and women working in the Belgian private sector reaches almost 22 percent and that half of it is attributable to gender differences in working conditions, individual and firm characteristics. A similar result has been found by Plasman et al. (2006) and Rycx et al. (2008) on the basis of the SES for the years 1995, 1999 and 2002. Using the PSBH, Konings (2005) shows in addition that the gender wage gap in the Belgian economy has been stable over the period 1998-2002 and that a substantial part of it can be attributed to discrimination. Findings reported in Table 4 corroborate this conclusion. Indeed, they show the existence of a remarkably stable gender wage gap even after controlling for individual and firm characteristics. To put it differently, they reject the hypothesis of a 'natural' trend towards pay equality.

Moreover, Table 4 reveals the existence of a quite small wage penalty for part-time workers in all years except 2005.<sup>6</sup> Overall, these results are in line with earlier work of Jepsen (2001) and Jepsen et al. (2005). Both studies examine the impact of part-time employment in Belgium. Using respectively the PSBH and the SES, the authors find no sign of a "within industry and occupational group" wage penalty against part-timers. However, they report a substantial "market-wide" wage gap. These findings suggest that, although discrimination legislation seems to be working, part-timers are segregated both at the occupational and sectoral level.

<sup>&</sup>lt;sup>6</sup> For 2005, results indicate that *ceteris paribus* part-timers receive a small wage premium.

The fact of putting in extra paid hours or being paid a bonus for non-typical working hours (shift work, night work and/or weekend work) leads to an increase in hourly wages of around 2 and 5 percent respectively compared to the reference category. Also noteworthy is that the wage penalty of those employed on a fixed-term employment contract fluctuates between 6.2 (in 2005) and 10.1 percent (in 2003) with respect to their opposite numbers with a permanent contract. The existence of a wage penalty against workers with a fixed-term contract is compatible with the proposal put forward by Harris and Holmström (1982). According to this proposal, employers levy an amount on the wages of newcomers in order to pay for their uncertainty as to their productive ability. Be that as it may, the reason why the wage penalty against workers on a fixed-term contract varies substantially over time remains unclear.

As regards employer characteristics, we find that all other things being equal wages are significantly higher in firms essentially owned by private capitals (except in 1999 and 2000). Overall results also show the existence of a significant and positive effect of the employer size on workers' wages. However, this effect is less marked across smaller establishments (i.e. establishments with less than 50 employees). Moreover, according to Lallemand et al. (2005), a significant part of this establishment-size wage premium can be explained by the fact that the productivity and stability of the Belgian workforce is higher in large establishments. Finally, it is found that workers in firms where wages are collectively renegotiated in house earn between 4.0 and 5.7 percent more than their opposite numbers whose wages are solely determined by national and/or sectoral collective agreements. These results fit in with findings reported earlier by Rycx (2003), Plasman et al. (2006) and Rycx et al. (2008).

Overall, results from our wage regressions are quite satisfactory. Indeed, a substantial part of the total variation in individual hourly wages is explained by the regression model (i.e. between 62 and 66 percent, depending on the period considered). Moreover, most regression coefficients are significant and they have the expected sign. Be that as it may, our estimates might be slightly biased because of the fact that our sample is censored. In fact it does not contain any information on the number of unemployed people or on their characteristics. Docquier et al. (1999), Laurent (2000) and Jepsen (2001) have studied this problem in the case of Belgium. Their results obtained using the PSBH suggest that the expected level of earning is not significantly tied to the fact of having a job. The assessment of a censored sample therefore would not lead to a significant selection bias in Belgium. Although this

result might derive from the low percentage of unemployed people included in their samples, it does tend to back up our estimates.

#### 5. Inter-Industry Wage Differentials

Table 5 reports inter-industry wage differentials for NACE two-digit industries between 1999 and 2005.<sup>7</sup> These differentials are estimated on the basis of equation (1) using as dependent variable the (log of) individual gross hourly wages including annual bonuses.

#### [Insert Table 5]

Results show, for all periods, the existence of substantial wage differentials between workers employed in different sectors, even after controlling for a large number of employee, job and establishment characteristics.<sup>8</sup> Between 77 and 88 percent of these differentials are statistically significant at the 10 percent level. We also note that the hierarchy of sectors in terms of wages is very stable over time. Indeed, results reported in Table 6 show that the Pearson and Spearman correlation coefficients between the wage differentials estimated for 1999-2005 reach at least 70 percent.<sup>9</sup> These correlations suggest that the estimated wage differentials between industrial sectors do not derive from transitory differences in demand across industries.

#### [Insert Table 6]

The best-paying industry over the period 1999-2005 is the electricity, gas, steam and hot water supply sector. Depending on the period under investigation, the average worker in this

computed :  $V_k = [(\exp(\hat{\psi}_k) - 1) - G]$  for k = 1,..., K and  $V_{K+I} = -G$ ; where  $G = \sum_{k=1}^{K} \overline{p}_k [\exp(\hat{\psi}_k) - 1]$ . This

transformation is necessary because the estimated wage equation has a semi-logarithmic form (for a discussion see Reilly and Zanchi, 2003).

<sup>&</sup>lt;sup>7</sup> In order to get the difference in percentage terms between the wage (in EUR) of the average worker in sector k and the employment-share weighted mean wage (in EUR) in the economy, the following expressions have been

<sup>&</sup>lt;sup>8</sup> Inter-industry wage differentials at the NACE three-digit level are reported in Appendix 2. They support and refine our conclusions.

<sup>&</sup>lt;sup>9</sup> Similar results are obtained when inter-industry wage differentials are computed at the NACE three-digit level (see Appendix 3).

sector earns *ceteris paribus* between 24 and 46 percent more than the average worker in the whole economy. At the top of the conditional wage distribution, we also find the manufacture of coke, refined petroleum products and nuclear fuel (between +20 and 30 percent), financial intermediation, except insurance and pension funding (between +12 and 21 percent), and the manufacture of chemicals and chemical products (between +12 and 17 percent).

The hotels and restaurants sector is at the very bottom of the wage scale: the average worker's wage there is *ceteris paribus* between 15 and 20 percent lower than that of the average worker in the economy. At the bottom of the scale, we also find the manufacture of wearing apparel, dressing and dyeing of fur (between -11 and -19 percent), the manufacture of furniture (between -12 and -16 percent), the manufacture of wood and products of wood and cork (between -10 and -14 percent), the manufacture of textiles (between -10 and -12 percent), the collection, purification and distribution of water industry (between -6 and -17 percent) and retail trade (between -5 and -15 percent).

If we compare these results with those of Du Caju et al. (2008) and Rycx et al. (2008) for several European countries on the basis of the 2002 *European Structure of Earnings Survey* (ESES), we find that the sectoral wage structure reported for Belgium is quite similar to that observed in other industrialised countries. To put it differently, it appears that high and low wage industries do not vary substantially across countries.

#### [Insert Table 7]

What about the dispersion of inter-industry wage differentials? Table 7 shows the range and the weighted adjusted standard deviation (WASD) of the inter-industry wage differentials estimated for the period 1999-2005 at the NACE two- and three-digit level. Not surprisingly it is found that the dispersion in inter-industry wage differentials grows significantly when the number of sectors being considered increases. We also note that the WASD is not characterised by any upward or downward trend but on the contrary is quite stable over the whole period<sup>10</sup>.

<sup>&</sup>lt;sup>10</sup> In this short period of seven years, the WASD is positively correlated with lagged cyclical indicators, like real GDP growth and the NBB's business cycle indicator and output gap measure.

#### 6. Inter-Industry Wage Differentials and Rent-Sharing

Findings reported so far emphasize the existence of substantial and persistent wage differentials among workers with the same observed characteristics employed in different sectors. At face value, these results are incompatible with the assumption of a perfectly competitive labour market. Indeed, they suggest that individual wages are not solely determined by personal productive characteristics and task descriptions but also by the features of the employers in each sector.<sup>11</sup> Therefore the role of non competitive forces deserves to be examined. The most natural non-competitive explanation for the existence of industry wage differentials is that they derive from inter-sectoral variations in 'ability to pay', i.e. profits. This explanations generally supported in the literature (Benito, 2000; Gannon et al. (2007); Kouwenberg and van Opstal, 1999; Plasman et al., 2006) is compatible with several wage determination models, including efficiency wage mechanisms and rent-sharing. In this paper, we attempt to go a step further by examining the importance of rent-sharing in the Belgian private sector as well as its contribution to observed inter-industry wage differentials.

#### 6.1. How Big and Significant is the Wage-Profit Elasticity?

Two models have become standard in the literature for the analysis of the impact of profitsper-employee on wages in a bargaining framework. These are the right-to-manage and the efficient bargaining models, so-named respectively by Nickell and Andrews (1983) and McDonald and Solow (1981). In the right-to-manage model, firms unilaterally determine employment, while wages are the result of a confrontation between the objectives of the firm and of the employees. In the efficient bargaining model, bargaining takes place with respect to both employment and wages. While both models produce the same wage equations, they

<sup>&</sup>lt;sup>11</sup> Yet, it could be argued that the unobserved quality of the labour force is not randomly distributed across sectors. In other words, high-paying industries might simply be those in which the non-observed quality of the labour force is the highest. This hypothesis has been tested for the Belgian private sector by Du Caju et al. (2008) and Plasman et al. (2006) on the basis of Martins' (2004a) methodology. Using matched employer-employee data for the years 1995 and 2002, the authors thus verified (with quantile regressions) if sectors with high average premiums pay even higher premiums to high-wage workers. Their results show that the contribution of unobserved ability to inter-industry wage differentials is limited. Therefore, they suggest that non-competitive forces play an important role in the Belgian wage determination process.

differ in that in the former employment is endogenous with respect to wages whereas in the latter it is exogenous. Nevertheless, they both suggest that wages are related to the firm's ability to pay, i.e. to the firm's profitability.

To estimate the amount of rent-sharing in Belgium, we rely on the right-to-manage model.<sup>12</sup> Hence, suppose a bargaining situation where a firm's real profit function is given by:

$$\Pi = R(L) - W L \tag{2}$$

with  $\Pi$  the real profits, R(L) the real revenue, W the real wage and L the employment level. Also consider a risk-neutral group of workers, not necessarily a union, which attempts to maximize the expected utility of a representative member, defined as:

$$U = \frac{L}{N}W + \left(1 - \frac{L}{N}\right)A\tag{3}$$

with *N* the number of members in the group  $(0 < L \le N)$  and *A* the outside option (W > A). The outside option is the expected value of real revenue perceived by an individual in case of redundancy. It depends positively on the unemployment benefit and on the expected real wage that a worker would obtain elsewhere, and negatively on the unemployment rate. The model is solved backwards: the profit-maximizing firm determines the employment level, given the bargained wage in the first stage of the game. The resulting deal is represented by the maximization of the generalized Nash bargain. For a company, without fixed costs, the level of utility reached when bargaining fails equals zero. Indeed, since we assume that all

<sup>&</sup>lt;sup>12</sup> Using Belgian aggregate data from 1957 to 1988, Vannetelbosch (1996) has shown that both the right-tomanage (Nickell and Andrews, 1983) and the efficient bargaining (McDonald and Solow 1981) models can be rejected in favor of the general bargaining model (Manning 1987). This means that the outcome of the bargaining process is located somewhere between the labor demand curve and the contract curve. Nevertheless, this result must be considered with caution for at least two reasons. First, the estimates are very sensitive to the specification of the reservation wage, and second, the trade union density and the number of strikes are not a very good surrogate for the relative bargaining power of unions. Also noteworthy is that, while these models have different implications for unemployment and economic welfare, they generate identical wage equations. Hence, as in most empirical papers on rent-sharing, we have chosen to rely on the right-to-manage model. For a presentation of theoretical models on rent-sharing see e.g. Blanchflower et al. (1996).

workers are affiliated to the group, the company will have to cease production if no agreement is reached. The fallback position of a representative member of the group is equal to *A*.

Accordingly, the generalized Nash bargaining problem can be written as follows<sup>13</sup>:

$$\begin{aligned} \underset{W}{Max} \ U^{\beta} \Pi &= \ \underset{W}{Max} \left( \frac{L}{N} \left( W - A \right) \right)^{\beta} \ \left( R(L) - W L \right) \\ s.t. \ R'(L) &= W \end{aligned} \tag{4}$$

with  $\beta \in [0,1]$  the relative bargaining power of the workers in the wage bargain. The first order condition of this problem is given by:

$$W = A + \beta \ \frac{\left(R\left(L\right) - W L\right)}{L} \tag{5}$$

Expression (5) suggests that real wages are affected by the outside option, real profits-peremployee and the relative bargaining power of workers. The corresponding statistical specification, which will serve as a benchmark for our empirical analysis, can be written as follows:

$$w_i = \alpha + \beta \left(\frac{\Pi}{L}\right)_j + \sum_{r=1}^R \delta_r X_{r,i} + \sum_{k=1}^K \psi_k Y_{k,i} + \sum_l \lambda_l Z_{l,i} + \varepsilon_i$$
(6)

The only difference between this specification and equation (1) is that we add among the explanatory variables  $(\frac{\Pi}{L})_j$ , i.e. the logarithm of profits per employee in firm *j*;. The definition of the other variables remains unchanged.

In a first stage, we estimate this equation by ordinary least squares (OLS) with White (1980) heteroscedasticity consistent standard errors. Moreover, in order to control for the potential

<sup>&</sup>lt;sup>13</sup> See Nickell (1999: p.3) for a discussion on the notation.

bias deriving from aggregated firm variables in an individual wage specification, standard errors are corrected for within-group correlated errors as suggested by Moulton (1990). Results are shown in Table 8.

#### [Insert Table 8]

For all years, regression coefficients have the expected sign and they are generally highly significant.<sup>14</sup> Moreover, the adjusted R<sup>2</sup> reaches at least 60 percent. Our estimate of the wage-profit elasticity varies between 0.022 and 0.032. This means that on average a doubling of profits-per-worker increases earnings *ceteris paribus* by between 2.2 and 3.2 percent. To evaluate the impact of profits on the distribution of wages, Lester's (1952) range of pay due to rent-sharing has been calculated. This statistic indicates the degree to which wages change if a worker were hypothetically to move from a low- to a high-rent firm. It is obtained by applying the following formula:

$$4\hat{\beta} \,\frac{\sigma(P)}{\overline{P}}\tag{7}$$

where  $\hat{\beta}$  is the estimated wage-profit elasticity, *P* measures the level of firm profits-peremployee, and  $\sigma(P)$  and  $\overline{P}$  denote the standard deviation and the mean value of *P*, respectively. On the basis of this formula, it appears that *ceteris paribus* the wage of a worker would increase by between approximately 19 and 28 percent if she/he switched jobs from a firm whose profits are two standard deviations below the mean level of profits to another firm whose profits are two standard deviations above the mean.

#### [Insert Table 9]

Our benchmark regression clearly supports the hypothesis that individual wages are significantly and positively related to the firm's ability to pay. Nevertheless, caution is needed. Indeed, two econometric problems arise when using current profits as an explanatory variable. First, there is an accounting relationship between wages and current profits: if wages increase, profits (i.e. value-added minus remuneration of labour) automatically decrease.

<sup>&</sup>lt;sup>14</sup> Detailed results of all wage regressions presented in this paper are available upon request.

Therefore, our OLS estimate of rent-sharing is likely to be downward biased. Second, a positive relationship between wages and current profits may arise because higher wages can provide employees with incentives to step up their effort (cf. efficiency wage theories). This would lead to an upward biased estimation of rent-sharing. In order to correct for both problems, we apply 2SLS, using lagged profits as instruments for contemporaneous profits.<sup>15</sup> Results of our 2SLS regression are presented in Table 9. We find that the wage-profit elasticity increases and stands now at between 0.034 and 0.043, which indicates that our previous estimates were downward biased.<sup>16</sup> It follows that Lester's range of pay due to rent sharing fluctuates between about 24 and 37 percent of the mean wage.

#### 6.2. Inter-Industry Wage Differentials: How Much Does Rent-Sharing Matter?

So far, results have shown that individual hourly wages are significantly and positively related to firm profits-per-employee. In this sub-section, we examine to what extent inter-industry wage differentials are explained by this rent-sharing phenomenon. To do so, we compare the significance, magnitude and dispersion of interindustry wage premia *before* and *after* controlling for the elasticity between wages and (instrumented) profits. In other words, we compare results obtained from a wage equation that does only control for individual, job and firm characteristics (see equation (1)) with those of an earnings equation that also controls for (instrumented) firm profits-per-capita (see equation (6)).

#### [Insert Table 10]

Results reported in Table 10 show that substantial wage differentials are still recorded between workers employed in different sectors after controlling for profits.<sup>17,18</sup> However, the

<sup>&</sup>lt;sup>15</sup> Other instruments used in the literature to control for the endogeneity of profits include: the degree of market competition, prices of imports and exports, exchange rate variations, past technological innovations and sales.

<sup>&</sup>lt;sup>16</sup> Note that: i) all coefficients in the first-stage regressions are jointly significant at the 1 percent level, ii) the R<sup>2</sup> of the first-stage regressions stands at between 0.73 and 0.86 depending on the year under investigation, and iii) the elasticity between current and lagged profits-per-employee is always significant and varies between 69 and 80 percent.

<sup>&</sup>lt;sup>17</sup> Results at the NACE three-digit level are reported in Appendix 4.

<sup>&</sup>lt;sup>18</sup> Inter-industry wage differentials estimated on the basis of the SES-SBS data are highly correlated over time both at the NACE two- and three-digit level and before and after controlling for profits. See Appendices 5 to 8.

proportion of significant of inter-industry wage differentials (at the 10 percent level) decreases from around 82 to 45 percent.<sup>19,20</sup> Note further that the hierarchy of sectors in terms of wages remains almost unchanged. Indeed, the correlation coefficient between the interindustry wage differentials estimated with and without control for profits is highly significant and stands at between 0.86 and 0.96.<sup>21</sup> Among the best-paying sectors we still find the electricity, gas, steam and hot water supply sector; the coke, refined petroleum and nuclear fuel industry; the chemical industry and the financial intermediation sector (except insurance and pension funding). However, the wage premium in these sectors decreases significantly when controlling for rent-sharing. In 2005, for instance, we find that the wage premium drops by between 24 and 39 percent in the three best paying industries and becomes not significantly different from zero in the financial intermediation sector when profits are taken into account. Furthermore, it is still in the traditional sectors (e.g. hotels and restaurants; the textile industry; the manufacture of wood and products of wood and cork; the manufacture of furniture; the collection, purification and distribution of water industry; and retailing), that wages are lowest. Yet, the estimated wage disadvantage of working in these sectors is generally reduced when controlling for profits. Last but not least, we find that dispersion in inter-industry wage differentials (the WASD) drops by about 25 percent when profits are taken into account.<sup>22</sup> These findings suggest that rent-sharing accounts for a significant fraction of observed inter-industry wage differentials.

#### 7. Conclusion

In this paper, three central questions have been addressed: i) Are sectoral differences persistent over time, showing a trend or cyclical effects?, ii) How large is the elasticity

<sup>&</sup>lt;sup>19</sup> The comparison in the text is based on results obtained with the SES-SBS data before and after controlling for profits. Inter-industry wage differentials (before controlling for profits) at the NACE two- and three digit level obtained with the SES-SBS samples are reported in Appendices 9 and 10.

<sup>&</sup>lt;sup>20</sup> These figures are averages for the period 2000-2005. Similar results are found when the analysis is performed at the NACE three-digit level and/or on different samples, i.e. SES data (before controlling for profits) and SES-SBS data (after controlling for profits). See Appendices 11 and 12 for detailed statistics.

<sup>&</sup>lt;sup>21</sup> Again, the same result is found at the NACE three-digit level and/or on different samples, i.e. SES data (before controlling for profits) and SES-SBS data (after controlling for profits). See Appendices 13 to 16.

<sup>&</sup>lt;sup>22</sup> Results at the NACE three-digit level and/or on different samples, i.e. SES data (before controlling for profits) and SES-SBS data (after controlling for profits) support or even reinforce this conclusion. See Appendices 17 and 18.

between wages and profits, controlling for the endogeneity of profits, and does it change over time?, iii) What is the contribution of rent-sharing to the observed industry wage differentials, and is it stable over time? These questions have been investigated on the basis of a unique matched employer-employee data set covering the period 1999-2005. This data set derives from the combination of the *Structure of Earnings Survey* and the *Structure of Business Survey*. The former contains detailed information on firm characteristics (e.g. sector of activity, size of the firm, and level of wage bargaining) and on individual workers (e.g. gross hourly wages, bonuses, age, education, sex, and occupation). The latter provides firm-level information on financial variables (e.g. gross operating surplus and value added per capita).

Our findings show the existence of large wage differentials among workers with the same observed characteristics and working conditions, employed in different sectors. These differentials are persistent and no particular downward or upward trend is observed. Further results indicate that *ceteris paribus*, workers earn significantly higher wages when employed in more profitable firms. The time dimension of our matched employer-employee data allows us to instrument firms' profitability by its lagged value. The instrumented elasticity between wages and profits is found to be quite stable over time. It stands at between 0.034 and 0.043, which suggests that previous estimate of rent-sharing for the Belgian private sector reported by Plasman et al. (2006) for the year 1995 was upward biased. The associated Lester's range of pay due to rent sharing fluctuates between about 24 and 37 percent of the mean wage. In other words, it appears that *ceteris paribus* the wage of a worker would increase by approximately one-third if she/he switched jobs from a firm whose profits are two standard deviations above the mean.

Finally, results show that substantial wage differentials are still recorded in all years between workers employed in different sectors after controlling for rent-sharing. Also noteworthy is that the hierarchy of sectors in terms of wages remains almost unchanged. However, the proportion of significant inter-industry wage differentials decreases from around 82 to 45 percent. We also find that the dispersion in inter-industry wage differentials drops by about 25 percent when profits are taken into account. These findings suggest that rent-sharing accounts for a large fraction of inter-industry wage differentials.

#### References

- Abowd, J. and Lemieux, T. (1993), "The Effect of Product Market Competition on Collective Bargaining Agreements: The Case of Foreign Competition in Canada", *Quarterly Journal* of Economics, Vol. 108, No. 4, pp. 983-1014.
- Abowd, J., Kramarz, F. and Margolis, D. (1999), "High Wage Workers and High Wage Firms", *Econometrica*, Vol. 67, No. 4, pp. 251-333.
- Arai, M. (2003), "Wages, Profits and, Capital Intensity, Evidence from Matched Worker-Firm Data", *Journal of Labor Economics*, Vol. 21, No. 3, pp. 593-618.
- Araï, M., Ballot, G. and Skalli, A. (1996), "Différentiels intersectoriels de salaire et caractéristiques des employeurs en France", *Economie et statistique*, No. 299, pp. 37-58.
- Barth, E. and Zweimüller, J. (1992), "Labour Market Institutions and the Industry Wage Distribution: Evidence from Austria, Norway and the U.S", *Empirica*, Vol.19, No. 2, pp. 181-201.
- Benito, A. (2000), "Inter-Industry Wage Differentials in Great Britain", Oxford Bulletin of Economics and Statistics, Vol. 62, No. 0, pp. 727-46.
- Björklund, A., Bratsberg, B., Eriksson, T., Jäntti, M. and Raaum, O. (2007), "Inter-Industry Wage Differentials and Unobserved Ability: Siblings Evidence from Five Countries", *Industrial Relations*, Vol. 46, No. 1, pp. 171-202.
- Blanchflower, D., Oswald, A. and Sanfey, P. (1996), "Wages, Profits and Rent-Sharing", *Quarterly Journal of Economics*, Vol. 111, No. 1, pp. 227-51.
- Carruth, A., Collier, W. and Dickerson, A. (2004), "Inter-industry Wage Differences and Individual Heterogeneity", Oxford Bulletin of Economics and Statistics, Vol. 55, No. 5, pp. 811-46.
- Christofides, L. and Oswald A. (1992), "Real Wage Determination and Rent-Sharing in Collective Bargaining Agreements", *Quarterly Journal of Economics*, Vol. 107, No. 3, pp. 985-1002.
- Dickens, W. and Katz L. (1987), "Inter-Industry Wage Differences and Industry Characteristics", in K. Lang and J. Leonard (eds.), Unemployment and the Structure of Labour Markets. Oxford, Basil Blackwell, pp. 28-89.
- Docquier, F., Laurent, S. and Perelman, S. (1999), "Capital humain, emploi et revenus du travail : Belgique, 1992", *Brussels Economic Review*, Vol. 42, No. 1, pp. 77-103.
- Du Caju, Ph., Fuss, C. and Wintr L. (2007), "Downward Wage Rigidity for Different Workers and Firms: An Evaluation for Belgium using the IWFP Procedure, NBB Working Paper, No. 124.

- Du Caju, Ph., Katay, G., Lamo, A., Nicolitsas, D. and Poelhekke, S. (2008), "Inter-Industry Wage Differentials in EU Countries: What Do Cross-Country Time Varying Data Add to the Picture?", mimeo, Wage Dynamics Network.
- Edin, P.-A. and Zetterberg, J. (1992), "Interindustry Wage Differentials: Evidence from Sweden and a Comparison with the USA", *American Economic Review*, Vol. 82, No. 5, pp. 1341-49.
- Fakhfakh, F. and FitzRoy, F. (2004), "Basic Wages and Firm Characteristics: Rent-Sharing in French Manufacturing", *Labour*, Vol. 18, No. 4, pp. 615-31.
- Ferro-Luzzi, G. (1994), "Inter-Industry Wage Differentials in Switzerland", Swiss Journal of Economics and Statistics, Vol. 130, No. 3, pp. 421-43.
- Flamand, S. and Plasman, R. (2006), "Age, salaire et demande de travail", mimeo, Department of Applied Economics, ULB.
- Gannon, B., Plasman, R., Rycx F., and Tojerow, I. (2007), "Inter-Industry Wage Differentials and the Gender Wage Gap: Evidence from European Countries", *Economic and Social Review* Vol. 38, No. 1, pp. 135-55.
- Genre, V., Momferatou, D. and Mourre G. (2005), "Wage Diversity in the Euro Area, an Overview of Lbour Costs Differentials across Industries", ECB Occasional Paper, No. 24.
- Gibbons, R. and Katz, L. (1992), "Does Unmeasured Ability Explain Interindustry Wage Differentials?", *Review of Economic Studies*, Vol. 59, No. 3, pp. 515-35.
- Goos, M. and Konings, J. (2001), "Does Rent-Sharing Exist in Belgium? An Empirical Analysis Using Firm Level Data", *Reflets et perspectives de la vie économiques*, Vol. XL, No. 1/2, pp. 65-79.
- Goux, D. and Maurin, E. (1999), "Persistence of Inter-Industry Wage Differentials: a Reexamination Using Matched Worker-Firm Panel Data", *Journal of Labor Economics*, Vol. 17, No. 3, pp. 492-533.
- Gürtzgen N. (2005), "Rent-Sharing: Does the Bargaining Regime Make a Difference? Theory and Empirical Evidence", ZEW Discussion Paper, No. 05-15.
- Harris, M. and Holmström, B. (1982), "A Theory of Wage Dynamics", *Review of Economic Studies*, Vol. 49, No. 3, pp. 315-33.
- Hartog, J., Pereira, P. and Vieira J. (2000), "Inter-Industry Wage Dispersion in Portugal", *Empirica*, Vol. 27, No. 4, pp. 353-64.
- Hartog, J., Van Opstal, R. and Teulings, C. (1997), "Inter-Industry Wage Differentials and Tenure Effects in the Netherlands and the U.S", *De Economist*, Vol. 145, No. 1, pp. 91-9.

- Helwege, J. (1992), "Sectoral Shifts and Interindustry Wage Differentials", Journal of Labor Economics, Vol. 10, No. 1, pp. 55-84.
- Hildreth, A. and Oswald, A. (1997), "Rent-Sharing and Wages: Evidence from Company and Establishment Panels", *Journal of Labor Economics*, Vol. 15, No. 2, pp. 318-337.
- Holmlund, B. and Zetterberg, J. (1991), "Insider Effects in Wage Determination: Evidence from Five Countries", *European Economic Review*, Vol. 35, No. 5, pp. 1009-34.
- Jean, S. and Nicoletti, G. (2002), "Product Marker Regulation and Wage Premia in Europe and North America: An Empirical Investigation", OECD Working Paper, No. 318.
- Jepsen, M. (2001), "Evaluation des différentiels salariaux en Belgique: homme-femme et temps partiel-temps plein", *Reflets et Perspectives de la vie économique*, Vol. 40, No. 1-2, pp. 51-63.
- Jepsen, M., O'Dorchai, S., Plasman, R. and Rycx, F. (2005), "The Wage Penalty Induced by Part-time Work: The Case of Belgium", *Brussels Economic Review*, Vol. 48, No. 1/2, pp. 73-94.
- Kahn, L. (1998), "Collective Bargaining and Interindustry Wage Structure, International Evidence", *Economica*, Vol. 65, No. 260, pp. 507-34.
- Katz, L. and Summers L. (1989), "Industry Rents: Evidence and Implications", Brookings Papers on Economic Activity, Microeconomics, Vol. 1989, pp. 209-75.
- Konings, J. (2005), "Worden Vrouwen Gediscrimineerd op de Arbeidsmarkt? Een Microeconometrische Analyse voor Begië", *Leuvense Economische Standpunten*, No. 108, KULeuven.
- Kouwenberg, J. and van Opstal, R. (1999), "Inter-industry Wage Differentials: Evidence from Micro Data", CPB Report 1999/3, Quarterly Review of CPB Netherlands Bureau for Economic Policy Analysis.
- Krueger, A. and Summers L. (1988), "Efficiency Wages and Inter-Industry Wage Structure", *Econometrica*, Vol. 56, No. 2, pp. 259-93.
- Lallemand, T. and Rycx, F. (2008), "Are Yound and Old Workers Harmful for Firm Productivity?", mimeo, Department of Applied Economics, ULB.
- Lallemand, T., Plasman, R. and Rycx, F. (2005), "Why Do Large Firms Pay Higher Wages? Evidence from Matched Worker-Firm Data", *International Journal of Manpower*, Vol. 26, No. 7/8, pp. 705-23.
- Laurent, S. (2000), "Capital humain, emploi et salaire en Belgique et dans ses régions", Rapport préparatoire du 14<sup>ième</sup> Congrès des Economistes Belges de Langue Française, Commission 4 : Capital humain et croissance régionale, CIFoP.

- Lester, R. (1952), "A Range Theory of Wage Differentials", *Industrial and Labour Relations Review*, Vol. 5, No. 4, pp. 483-500.
- Lindbeck, A. and Snower, D. (1990), "Interindustry Wage Structure and the Power of Incumbent Workers", in R. Brunetta and C. Dell»Aringa (eds.), *Labour Relations and Economic Performance*, London, Macmillan, pp. 378-90.
- Lucifora, C. (1993), "Inter-Industry and Occupational Wage Differentials in Italy", Applied Economics, Vol. 25, No. 8, pp. 1113-24.
- Manning, A. (1987), "An Integration of Trade Union Models in a Sequential Bargaining Framework", *Economic Journal*, Vol. 97, No. 385, pp. 121-39.
- Margolis, D. and Salvanes K. (2001), "Do Firms Really Share Rents with their Workers?", CREST Working Paper, No. 16.
- Martins, P. (2004a), "Industry Wage Premia, Evidence from the Wage Distribution", *Economics Letters*, Vol. 83, pp. 157-63.
- Martins, P. (2004b), "Rent Sharing Before and After the Wage Bill", IZA Discussion Paper, No. 1376.
- McDonald, I. and Solow, R. (1981), "Wage Bargaining and Employment", American Economic Review, Vol. 74, No. 5, pp. 896-908.
- Mincer, J. (1974), Schooling, Experience, and Earnings, New York, NBER Press.
- Moulton, B. (1990), "An Illustration of a Pitfall in Estimating the Effects of Aggregate Variables on Micro Units", *Review of Economics and Statistics*, Vol. 72, No. 2, pp. 334-38.
- Murphy, K. and Topel, R. (1990), "Efficiency Wages Reconsidered: Theory and Evidence", in Y. Weiss and G. Fishelson (eds.), Advances in the Theory and Measurement of Unemployment, London, Macmillan, pp. 204-40.
- Nickell, S. (1999), "Product Markets and Labour Markets", *Labour Economics*, Vol. 6, No. 1, pp. 1-20.
- Nickell, S. and Andrews, M. (1983), "Unions, Real Wages and Employment in Britain 1951-79", *Oxford Economic Papers*, Vol. 35, No. supplement, pp. 183-206.
- Over, M., Jolliffe, D. and Foster, A. (1996), "Huber Correction for Two Stage Least Squared Estimates", Stata Technical Bulletin, January 1996, pp. 24-25.
- Plasman, A., Plasman, R., Rusinek, M. and Rycx, F. (2001), "Indicators on Gender Pay Equality," *Brussels Economic Review*, Vol. 45, No. 2, pp. 11-40.
- Plasman, R., Rycx, F., and Tojerow, I. (2006), "Industry Wage Differentials, Unobserved Ability and Rent-sharing, Evidence from Matched Worker-firm Data, 1995-2002", NBB Working Paper, No. 90.

- Reilly, K. and Zanchi, L. (2003), "Industry Wage Differentials: How many, Big and Significant?", *International Journal of Manpower*, Vol. 24, No. 4, pp. 367-98.
- Rycx, F. (2002), "Inter-Industry Wage Differentials: Evidence from Belgium in a Cross-National Perspective", *De Economist*, Vol. 150, No. 5, pp. 555-68.
- Rycx, F. (2003), "Industry Wage Differentials and the Bargaining Regime in a Corporatist Country", *International Journal of Manpower*, Vol. 24, No. 4, pp. 347-66.
- Rycx, F. and Tojerow, I. (2004), "Rent Sharing and the Gender Wage Gap in Belgium", *International Journal of Manpower*, Vol. 25, No. 3/4, pp. 279-99.
- Rycx, F., Valsamis, D. and Tojerow, I. (2008), "Wage Differentials across Sectors in Europe: An East-West Comparison", ETUI-REHS Working Paper, No. 2008-05.
- Slichter, S. (1950), "Notes on the Structure of Wages", *Review of Economics and Statistics*, Vol. 32, pp. 80-91.
- Stiglitz, J. (1974), "Alternative Theories of Wage Determination in LDC'S: The Labor Turnover Model", *Quarterly Journal of Economics*, Vol. 88, No. 2, pp. 194-227.
- Teulings, C. and Hartog, J. (1998), Corporatism or Competition? Labour Contracts, Institutions and Wage Structures in International Comparison, Cambridge, Cambridge University Press.
- Thaler, R. (1989), "Anomalies: Interindustry Wage Differentials", Journal of Economic Perspectives, Vol. 3, No. 2, pp. 181-93.
- Vainiomäki, J. and Laaksonen, S. (1995), "Interindustry Wage Differentials in Finland: Evidence from Longitudinal Census Data for 1975-85", *Labour Economics*, Vol. 2, No. 2, pp. 161-73.
- Vannetelbosch, V. (1996), "Testing between Alternative Wage-employment Bargaining Models using Belgian Aggregate Data", *Labour Economics*, Vol. 3, No. 1, pp. 43-64.
- Van Reenen, J. (1996), "The Creation and Capture of Rents: Wages and Innovation in a Panel of U.K. Companies", *Quarterly Journal of Economics*, Vol. 111, No. 1, pp. 195-226.
- Walsh, F. (1999), "A Multisector Model of Efficiency Wages", *Journal of Labor Economics*, Vol. 17, No. 2, pp. 351-76.
- White, H. (1980), "A Heteroscedasticity-Consistent Covariance Matrix Estimator and a Direct Test for Heteroscedasticity", *Econometrica*, Vol. 48, pp. 817-38.
- Zanchi, L. (1992), "Inter-Industry Wage Structure: Empirical Evidence for Germany and a Comparison with the U.S. and Sweden", EUI Working Paper, ECO No. 76.

Variables:	1999	2000	2001	2002	2003	2004	2005
Gross hourly wage : (in EUR) includes overtime							
paid, premiums for shift work, night work and/or							. – .
weekend work and bonuses (i.e. irregular payments that do not occur during each pay	14.4 (6.4)	14.5 (6.5)	14.8 (6.6)	15.1 (6.3)	15.3 (6.3)	16.7 (7.6)	17.2 (7.8
period, such as pay for holiday, 13 <sup>th</sup> month,	(0.4)	(0.3)	(0.0)	(0.3)	(0.3)	(7.0)	(7.0
profits sharing, etc.).							
Education:							
Primary or no degree	11.1	9.3	8.5	8.0	7.3	7.5	7.9
Lower secondary	28.5	29.2	29.8	28.5	27.2	26.8	21.0
Technical/Artistic/Prof. upper secondary	20.7	20.6	20.8	19.6	19.7	22.4	26.9
General upper secondary	16.4	17.6	15.9	19.2	19.1	16.7	16.7
Higher non-university short type	14.9	14.7	16.7	15.4	17.0	16.5	17.2
University and non-university education, long type	8.0	8.1	7.9	8.7	9.2	9.5	9.9
Post graduate or PhD	0.4	0.5	0.4	0.6	0.5	0.6	0.6
Age of the worker:							
20-24 years	9.0	9.7	9.8	8.8	8.0	7.5	7.8
25-29 years	16.4	15.8	15.5	14.7	14.9	13.9	14.2
30-34 years	17.6	16.9	16.6	16.7	16.7	16.2	15.5
35-39 years	16.6	16.9	16.5	17.0	16.7	16.5	16.4
40-44 years	14.1	14.1	14.3	15.1	14.9	15.5	15.5
45-49 years	12.3	12.2	12.1	12.3	12.7	13.3	13.3
50-54 years	9.4	9.6	9.7	9.6	10.0	10.8	10.6
55-59 years	3.8	4.0	4.6	4.9	5.1	5.3	5.6
60 years or more	0.8	0.8	0.9	0.9	1.0	1.0	1.1
Seniority in the company:							
0-1 year	24.1	26.6	27.3	23.1	20.5	20.1	18.
2-4 years	18.8	19.7	21.0	24.4	25.1	23.2	20.8
5-9 years	18.2	15.8	14.5	16.0	17.6	19.4	23.1
10 years or more	38.9	37.9	37.2	36.5	36.8	37.3	37.8
Female (yes)	30.4	30.7	33.1	31.7	33.1	31.3	32.6
Paid overtime (yes)	4.1	3.5	2.4	2.3	3.2	4.2	5.3
Part time (yes)	9.4	8.9	9.5	10.3	9.9	10.3	11.9
Bonuses for shift, night and/or weekend work (yes)	15.5	15.0	14.3	14.7	15.1	14.3	15.1
Type of employment contract:							
Permanent	95.0	93.9	93.9	96.2	94.9	95.7	95.1
Fixed-term	3.8	4.5	4.8	3.2	3.9	3.6	4.3
Other	1.2	1.6	1.3	0.6	1.2	0.7	0.6
Occupation:							
Corporate managers (12)	2.6	2.6	2.2	2.2	2.5	2.5	2.9
Managers of small enterprises (13)	0.6	0.4	0.4	0.3	0.4	0.4	0.4
Physical, mathematic and engineer science	4.5	4.5	5.1	4.8	5.2	5.2	5.3
professionals (21) Life science and health professionals (22)	0.5	0.3	0.3	0.4	0.3	0.4	0.4
Teaching professionals (22)	0.5	0.0	0.0	0.4	0.3	0.4	0.4
Other professionals (24)	4.3	5.4	0.0 7.7	5.8	6.5	5.8	6.0
Physical and engineer science associate							
professionals (31) Life science and health associate professionals	5.1	5.0	4.9	4.7	4.7	4.5	4.3
(32)	0.4	0.4	0.3	0.4	0.4	0.5	0.5
Teaching associate professionals (33)	0.0	0.1	0.1	0.0	0.0	0.0	0.1
Other associate professionals (34)	2.7	4.0	3.3	3.6	5.2	3.6	3.7
Office clerks (41)	18.6	18.9	18.3	18.1	19.6	19.1	20.0
Customer services clerks (42)	2.6	2.5	3.5	3.1	3.2	3.7	2.7
Personal and protective services workers (51)	3.7	4.0	3.6	4.7	4.2	4.5	3.4
Models, salespersons and demonstrators (52)	5.6	4.6	5.6	5.3	3.5	5.3	5.5

Table 1: Description and Means (SDs) of Selected Variables, 1999-2005 (SES data)

Extraction and building trading workers (71)	6.0	5.5	5.3	5.5	5.0	5.1	4.8
Metal, machinery and related trades workers (72)	8.1	8.8	7.7	8.0	7.4	7.6	7.7
Precision, handicraft, printing workers (73)	2.4	1.5	1.5	1.3	1.3	1.1	1.4
Other craft and related trades workers (74)	5.9	5.9	5.2	5.7	5.1	4.7	5.2
Stationary plant and related operators (81)	3.5	3.4	3.1	3.3	3.8	3.4	3.0
Machine operators and assemblers (82)	8.7	8.3	8.3	7.3	7.4	7.9	8.5
Drivers and mobile plant operators (83)	4.5	4.9	4.8	5.0	5.1	5.8	4.7
Sales and services elementary occupations (91)	4.1	3.6	3.5	3.9	3.5	3.1	3.6
Labourers in mining, construction, manufacturing and transport (93)	5.5	5.3	5.4	6.2	5.4	5.7	6.0
Private firm (yes): >50 per cent privately owned firm	96.5	97.2	95.6	95.6	94.4	93.9	95.7
Size of the establishment:							
1-4 employees	0.8	1.0	1.0	1.0	3.0	1.2	1.7
5-9 employees	3.1	2.7	2.3	2.7	4.3	3.5	3.8
10-19 employees	11.0	10.9	10.1	12.0	9.9	10.1	9.9
20-49 employees	21.0	20.7	19.1	20.6	18.0	20.7	19.1
50-99 employees	12.7	12.1	11.9	12.0	11.6	12.6	11.7
100-199 employees	13.2	13.0	13.7	14.3	12.9	12.8	13.7
200-499 employees	14.9	16.6	16.2	16.2	17.2	17.1	17.5
500-1500 employees	23.3	23.0	25.7	21.2	23.1	22.0	22.6
Firm-level collective agreement (yes): collective							
wage agreement at the firm level for blue- and/or	28.4	29.2	27.3	28.0	29.1	31.4	31.4
white collars workers							
Number of observations	102,563	106,341	106,575	104,409	100,329	94,909	95,930

102,563106,341106,575104,409100,32994,90995,930Notes: The descriptive statistics refer to the weighted sample. Descriptive statistics relative to the sectoral affiliation of the workers are available upon request.

# Table 2: Share of Employment by Sector of Economic Activity (in Percentage, Nace 2-Digit)

Digit)							
Industry (NACE two-digit) / Period:	1999	2000	2001	2002	2003	2004	2005
Other mining and quarrying (14)	0.26	0.23	0.22	0.23	0.17	0.16	0.16
Manufacture of food products and beverages (15)	4.87	4.88	4.59	4.62	4.51	4.51	4.55
Manufacture of tobacco products (16)	0.19	0.21	0.20	0.15	0.14	0.13	0.13
Manufacture of textiles (17)	2.75	2.52	2.31	2.16	2.17	2.07	1.95
Manufacture of wearing apparel; dressing and dyeing of fur (18)	0.73	0.56	0.49	0.47	0.40	0.35	0.31
Tanning and dressing of leather; manufacture of luggage, handbags, saddlery, harness and footwear (19)	0.14	0.12	0.10	0.10	0.09	0.09	0.09
Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials (20)	0.80	0.76	0.75	0.70	0.69	0.70	0.71
Manufacture of pulp, paper and paper products (21)	1.02	1.02	0.97	0.94	0.96	1.01	0.98
Publishing, printing and reproduction of recorded media (22)	1.58	1.95	1.85	2.07	1.70	1.62	1.62
Manufacture of coke, refined petroleum products and nuclear fuel (23)	0.35	0.32	0.31	0.26	0.30	0.34	0.32
Manufacture of chemicals and chemical products (24)	4.45	5.07	4.70	4.46	4.64	4.65	4.66
Manufacture of rubber and plastic products (25)	1.56	1.61	1.67	1.65	1.55	1.54	1.59
Manufacture of other non-metallic mineral products (26)	2.13	2.05	1.96	1.88	1.92	1.88	1.89
Manufacture of basic metals (27)	2.93	2.81	2.70	2.37	2.55	2.50	2.49
Manufacture of fabricated metal products, except machinery and equipment (28)	3.11	3.42	3.05	3.24	3.14	3.19	3.23
Manufacture of machinery and equipment n.e.c. (29)	2.38	2.45	2.18	2.32	2.35	2.31	2.28
Manufacture of office machinery and computers (30)	0.06	0.05	0.03	0.04	0.03	0.05	0.05
Manufacture of electrical machinery and apparatus n.e.c. (31)	1.55	1.51	1.42	1.40	1.47	1.52	1.24
Manufacture of radio, television and communications equipment and apparatus (32)	0.86	1.23	1.19	1.00	1.25	1.16	1.22
Manufacture of medical, precision and optical instruments, watches and clocks (33)	0.43	0.48	0.45	0.37	0.40	0.37	0.40
Manufacture of motor vehicles, trailers and semi-trailers (34)	2.65	2.41	2.40	3.11	3.31	3.25	3.25
Manufacture of other transport equipment (35)	1.17	1.36	1.30	1.11	1.14	1.05	1.04
Manufacture of furniture; manufacturing n.e.c. (36)	1.48	1.34	1.31	1.29	1.20	1.25	1.14
Recycling (37)	0.17	0.17	0.15	0.15	0.15	0.15	0.14
Electricity, gas, steam and hot water supply (40)	1.26	1.17	1.17	0.84	1.15	1.14	1.05
Collection, purification and distribution of water (41)	0.24	0.21	0.20	0.18	0.19	0.20	0.20
Construction (45)	8.50	7.98	7.94	8.12	7.57	7.89	7.78
Sale, maintenance and repair of motor vehicles and motorcycles; retail sale of automotive fuel (50)	2.33	2.22	2.20	2.25	2.16	2.32	2.23
Wholesale trade and commission trade, except of motor vehicles and motorcycles (51)	8.85	8.36	7.96	8.39	5.57	6.11	6.42
Retail trade, except of motor vehicles and motorcycles; repair of personal and household goods (52)	8.82	6.88	7.35	10.29	5.84	8.00	8.46
Hotels and restaurants (55)	2.67	3.62	3.33	3.23	3.36	3.70	3.62
Land transport; transport via pipelines (60)	3.81	4.49	4.14	4.34	4.28	5.45	4.58
Air transport (62)	0.74	0.69	0.68	0.14	0.22	0.23	0.25
Supporting and auxiliary transport activities; activities of travel agencies (63)	1.91	2.34	2.35	2.56	2.69	2.60	2.54
Post and telecommunications (64)	2.57	3.66	3.63	2.55	5.19	5.19	5.08
Financial intermediation, except insurance and pension funding (65)	4.82	4.99	4.71	4.30	5.25	5.35	5.42

Insurance and pension funding, except compulsory social security (66)	2.04	1.81	1.70	1.75	1.66	1.71	1.65
Activities auxiliary to financial intermediation (67)	0.46	0.49	0.52	0.61	0.61	0.66	0.69
Real estate activities (70)	0.50	0.46	0.47	0.50	0.45	0.48	0.47
Renting of machinery and equipment without operator and of personal and household goods (71)	0.24	0.27	0.26	0.30	0.32	0.29	0.30
Computer and related activities (72)	2.09	2.15	2.27	2.14	2.19	2.28	2.28
Research and development (73)	0.83	0.72	0.72	0.73	0.69	0.72	0.77
Other businesses activities (74)	9.72	8.98	12.09	10.67	14.36	9.87	10.77

Notes: The descriptive statistics refer to the weighted sample.

Manufacture of wood and products of wood and cork, except furniture;       11.06       11.41       11.56       11.99       12.35       12.91         manufacture of articles of straw and plaiting materials (20)       (3.07)       (3.29)       (3.13)       (3.56)       (3.43)       (3.52)         Manufacture of pulp, paper and paper products (21)       (5.07)       (5.29)       (10.37)       (5.21)       (5.23)       (6.71)         Publishing, printing and reproduction of recorded media (22)       15.09       15.52       16.67       17.13       16.46       18.09         Manufacture of coke, refined petroleum products and nuclear fuel (23)       2.6       22.85       22.38       21.38       21.91         Manufacture of chemicals and chemical products (24)       18.61       19.22       19.23       19.74       21.99         Manufacture of other non-metallic mineral products (25)       14.05       13.75       15.35       14.74       15.07       15.43       (5.09)         Manufacture of basic metals (27)       16.66       15.63       15.91       16.48       16.9       15.85       17.23       (6.87)       (5.1)       (5.24)       (5.09)       (5.41)       (3.9)       (4.44)       (3.9)       (4.54)       (5.21)       (5.64)       (5.64)       (5.64)       (5.64)<	<i>iod:</i> 1999	2000 2001	2002 2003	2004 200
Manufacture of textiles (17)       11.02       11.54       11.73       12.00       12.36       13.30         Manufacture of wearing apparel; dressing and dyeing of fur (18)       10.71       10.74       10.74       10.74       10.74       10.75       13.90       15.70       13.91       13.71         Tanning and dressing of leather; manufacture of luggage, handbags, saddlery, harness and footwear (19)       16.618       15.85       5.54.9       16.47       16.38       15.85       15.40       15.90       15.25       16.67       16.38       15.85       15.96       17.43       13.26       13.92       13.92       13.92       13.92       13.92       13.92       13.92       13.92       13.92       13.92       15.06       15.95       15.96       15.96       15.96       15.95       15.96       15.92       16.67       17.13       16.46       18.99       15.96       17.43       15.96       17.43       15.96       17.43       15.96       17.43       15.96       17.43       15.96       17.43       15.96       17.43       15.96       17.43       15.96       17.43       15.96       17.43       15.96       17.43       15.96       17.43       15.96       17.43       15.96       15.96       17.43       15.96				
Manufacture of wearing apparel; dressing and dyeing of fur (18)         10.71         10.43         11.76         11.48         10.08         13.13           G.22         (5.47)         (7.98)         (5.67)         (3.91)         (7.06)           saddlery, harness and footwear (19)         (16.18)         (5.85)         (5.54)         (6.74)         (6.38)         (5.57)         (6.47)         (5.38)         (5.57)         (5.47)         (5.38)         (5.57)         (5.47)         (5.38)         (5.57)         (5.47)         (5.38)         (5.57)         (5.47)         (5.38)         (5.57)         (5.47)         (5.38)         (5.57)         (5.47)         (5.38)         (5.47)         (5.38)         (5.48)         (5.57)         (5.17)         (5.29)         (3.31)         (5.50)         (3.43)         (5.50)         (1.37)         (5.27)         (5.67)         (7.31)         (5.66)         (7.51)         (5.64)         (7.51)           Publishing, printing and reproduction of recorded media (22)         (2.6)         (2.50)         (7.49)         (7.60)         (7.50)         (7.49)         (5.60)         (7.49)         (5.60)         (7.49)         (5.60)         (5.61)         (1.47)         (5.41)         (5.41)         (5.41)         (5.41)         (5.41) <td>11.02</td> <td>11.54 11.73</td> <td>12.00 12.36</td> <td>13.30 13.7</td>	11.02	11.54 11.73	12.00 12.36	13.30 13.7
saddlery, harness and footwear (19)       (6.18)       (5.8)       (5.54)       (6.47)       (6.38)       (6.58)         Manufacture of wood and products of wood and cork, except furniture;       11.06       11.41       11.56       11.99       12.35       12.91         Manufacture of pulp, paper and paper products (21)       13.02       (5.17)       (5.29)       (0.37)       (5.31)       (5.52)       (6.67)       17.13       16.46       18.09         Publishing, printing and reproduction of recorded media (22)       (15.09)       15.52       16.67       17.13       16.46       18.09         Manufacture of chemicals and chemical products (24)       15.09       15.52       10.67       17.13       16.46       18.09         Manufacture of chemicals and chemical products (24)       18.61       9.22       19.25       19.23       19.74       12.29         Manufacture of other non-metallic mineral products (25)       14.05       13.75       15.35       14.74       15.07       15.43       15.92         Manufacture of basic metals (27)       16.66       15.63       15.91       16.48       16.99       18.56         Manufacture of difter non-metallic mineral products (26)       13.37       13.47       15.19       15.44       15.91       16.44       16.91	; dressing and dyeing of fur (18) 10.71	10.43 11.76		13.13 14.1
manufacture of atricles of straw and plaiting materials (20)       (3.07)       (3.29)       (3.31)       (3.56)       (3.43)       (3.82)         Manufacture of pulp, paper and paper products (21)       (1.4.92)       (5.49)       (10.37)       (5.31)       (5.31)       (5.32)       (6.71)         Publishing, printing and reproduction of recorded media (22)       (1.50)       15.52       (1.67)       (1.1.37)       (5.27)       (4.97)       (5.96)         Manufacture of coke, refined petroleum products and nuclear fuel (23)       (2.6)       22.85       22.33       23.38       21.63       25.05         Manufacture of chemicals and chemical products (24)       18.61       19.22       19.23       19.74       21.29         Manufacture of other non-metallic mineral products (26)       13.57       15.35       14.74       15.19       16.64         Manufacture of basic metals (27)       16.66       15.63       15.91       14.48       16.9       18.56         Manufacture of fabricated metal products, except machinery and equipment n.e.c. (29)       14.44       14.44       14.47       15.09       15.48       16.9       18.56         Manufacture of office machinery and equipment n.e.c. (31)       16.53       13.93       14.67       15.13       16.48       16.99       16.55       15.				
Manufacture of coke, refined petroleum products and nuclear fuel (23) $(4.96)$ $(5.61)$ $(11.37)$ $(5.27)$ $(4.97)$ $(5.96)$ Manufacture of coke, refined petroleum products and nuclear fuel (23) $22.6$ $22.85$ $22.53$ $22.38$ $21.63$ $25.05$ Manufacture of chemicals and chemical products (24) $18.61$ $19.22$ $19.25$ $19.23$ $19.74$ $21.29$ Manufacture of rubber and plastic products (25) $14.05$ $13.75$ $15.35$ $14.74$ $15.19$ $16.34$ Manufacture of other non-metallic mineral products (26) $13.57$ $13.9$ $14.47$ $15.07$ $15.43$ $15.92$ Manufacture of basic metals (27) $16.66$ $15.63$ $15.91$ $16.48$ $16.9$ $18.56$ Manufacture of fabricated metal products, except machinery and $(2.62)$ $(2.92)$ $13.35$ $13.68$ $14.06$ $14.78$ equipment (28) $(4.08)$ $(3.9)$ $(4.14)$ $(3.91)$ $(3.99)$ $(4.54)$ Manufacture of office machinery and equipment n.e.c. (29) $14.44$ $14.46$ $14.87$ $15.69$ $15.85$ $17.23$ Manufacture of electrical machinery and apparatus n.e.c. (31) $16.53$ $13.93$ $14.67$ $15.13$ $18.46$ $16.61$ Manufacture of radio, television and communications equipment and $15.57$ $16.42$ $18.58$ $19.45$ $18.54$ Manufacture of medical, precision and optical instruments, watches and $14.16$ $14.17$ $16.03$ $16.37$ $15.94$ $15.92$ Manufacture of				
Manufacture of rubber and plastic products (25)14.0513.7515.3514.7415.1916.34Manufacture of other non-metallic mineral products (26)13.5713.914.4715.0715.4315.92Manufacture of basic metals (27)(4.50)(5.26)(5.19)(4.98)(5.21)(5.24)(5.09)(5.64)Manufacture of fabricated metal products, except machinery and equipment (28)12.6212.9213.3513.6814.0614.78Manufacture of office machinery and equipment n.e.c. (29)14.4414.6414.8715.9915.8517.23Manufacture of electrical machinery and computers (30)16.5313.9314.6715.1318.4616.05Manufacture of radio, television and communications equipment and clocks (33)(4.88)(4.76)(5.82)(5.89)(7.82)Manufacture of metrical, precision and optical instruments, watches and clocks (33)14.6114.9115.9115.1418.78Manufacture of other transport equipment (35)14.7514.6114.6114.9115.1915.1616.50Manufacture of other transport equipment (35)14.5114.6414.6114.6114.6114.6114.71Manufacture of other transport equipment (35)14.7216.4218.8119.4518.7819.45Manufacture of other transport equipment (35)14.7414.6114.6114.6114.6114.6114.71Manufacture of furniture; manufacturing n.e.c. (36)14.7514.				
Manufacture of other non-metallic mineral products (26)13.57 (4.9)13.9 (4.57)14.47 (8.72)15.07 (5.24)15.43 (5.09)15.92 (5.64)Manufacture of basic metals (27)16.66 (5.5)15.63 (5.50)15.91 (5.19)16.48 (4.98)16.9 (5.21)18.56 (5.5)Manufacture of fabricated metal products, except machinery and equipment (28)12.62 (4.08)12.92 (4.14)13.68 (4.91)14.06 (4.93)14.78 (5.91)Manufacture of machinery and equipment n.e.c. (29)14.44 (5.24)14.64 (5.19)14.87 (4.93)15.85 (5.24)17.23 (5.13)Manufacture of office machinery and computers (30)16.53 (7.6)13.93 (4.21)14.67 (4.82)15.13 (5.28)18.46 (5.19)Manufacture of electrical machinery and apparatus n.e.c. (31)14.57 (5.41)14.61 (4.83)14.47 (4.83)16.37 (5.82)18.78 (5.82)Manufacture of medical, precision and communications equipment and clocks (33)15.57 (5.64)16.42 (5.41)18.78 (5.41)15.19 (5.41)15.19 (5.41)15.19 (5.41)15.19 (5.41)15.19 (5.28)15.20 (6.20)Manufacture of other transport equipment (35)14.75 (4.54)14.60 (4.15)14.41 (4.53)15.94 (4.53)16.37 (4.53)14.92 (4.53)14.93 (4.63)14.91 (4.53)15.92 (5.28)15.91 (5.28)15.91 (5.28)15.91 (5.29)15.92 (5.28)15.92 (5.29)15.92 (5.29)15.92 (5.29)15.92 (5.29) <td>tic products (25) 14.05</td> <td>13.75 15.35</td> <td>14.74 15.19</td> <td>16.34 17.0</td>	tic products (25) 14.05	13.75 15.35	14.74 15.19	16.34 17.0
Manufacture of basic metals (27)16.66 (5.5)15.63 (5.26)15.91 (5.19)16.48 (4.98)16.9 (5.21)18.56 (6.8)Manufacture of fabricated metal products, except machinery and equipment (28)12.62 (4.08)12.92 (3.9)13.35 (4.14)13.68 (3.9)14.06 (4.14)14.78 (3.91)14.78 (3.99)14.54Manufacture of machinery and equipment n.e.c. (29)14.44 (5.24)14.64 (5.19)14.87 (4.93)15.69 (5.24)15.85 (5.13)17.23 (5.24)Manufacture of office machinery and computers (30)16.53 (7.6)13.93 (4.21)14.67 (4.82)15.13 (5.28)18.66 (7.00)16.53 (6.41)Manufacture of electrical machinery and apparatus n.e.c. (31)14.57 (4.83)14.67 (4.76)15.32 (5.82)18.54 (5.89)18.54 (5.41)Manufacture of radio, television and communications equipment and apparatus (32)15.57 (5.66)16.42 (5.66)18.58 (5.41)19.45 (5.38)18.78 (6.30)20.34 (6.16)Manufacture of medical, precision and optical instruments, watches and (5.66)14.6 (5.66)14.91 (5.41)15.16 (5.43)16.50 (5.43)16.51 (4.43)16.71 (4.54)Manufacture of other transport equipment (35)14.75 (4.53)14.66 (5.03)15.41 (4.16)15.31 (4.16)16.08 (4.29)14.33 (4.63)Manufacture of furniture; manufacturing n.e.c. (36)14.75 (4.63)14.46 (5.03)14.91 (4.51)15.16 (4.53)16.71 (4.54)	lic mineral products (26) 13.57	13.9 14.47	15.07 15.43	15.92 16.7
Manufacture of fabricated metal products, except machinery and equipment (28) $12.62$ (4.08) $12.92$ (3.9) $13.35$ (4.14) $13.68$ (3.9) $14.06$ (4.54)Manufacture of machinery and equipment n.e.c. (29) $14.44$ (5.19) $14.64$ (5.19) $14.87$ (5.9) $15.69$ (5.24) $15.35$ (5.13) $17.23$ (5.90)Manufacture of office machinery and computers (30) $16.53$ (7.6) $13.93$ (4.21) $14.67$ (4.82) $15.13$ (5.28) $18.66$ (7.00) $16.57$ (6.41)Manufacture of electrical machinery and apparatus n.e.c. (31) $14.57$ (5.41) $14.67$ (4.83) $16.77$ (5.82) $18.58$ (5.88) $19.45$ (5.82) $18.78$ (5.89) $20.34$ (8.1)Manufacture of radio, television and communications equipment and apparatus (32) $15.57$ (5.66) $16.42$ (5.66) $18.58$ (5.41) $19.45$ (5.43) $18.78$ (8.19) $20.34$ (8.19)Manufacture of medical, precision and optical instruments, watches and clocks (33) $14.66$ (5.45) $14.91$ (5.41) $15.16$ (5.45) $16.50$ (5.41) $(5.43)$ (4.63) $(4.63)$ (4.63) $(4.63)$ (4.63) $(4.63)$ (4.53)Manufacture of other transport equipment (35) $14.75$ (4.63) $14.66$ (4.16) $14.91$ (4.15) $15.31$ (4.24) $16.08$ (4.83)Manufacture of furniture; manufacturing n.e.c. (36) $14.78$ (4.63) $14.76$ (4.64) $14.91$ (4.98) $15.77$ (4.65) $16.68$ (5.45)Manufacture of furniture; manufacturing n.e.c. (36) $14.75$ (4.68) <td>7) 16.66</td> <td>15.63 15.91</td> <td>16.48 16.9</td> <td>18.56 19.4</td>	7) 16.66	15.63 15.91	16.48 16.9	18.56 19.4
Manufacture of machinery and equipment n.e.c. $(29)$ 14.4414.6414.8715.6915.8517.23Manufacture of office machinery and computers $(30)$ 16.5313.9314.6715.1318.4616.05Manufacture of electrical machinery and apparatus n.e.c. $(31)$ 14.5714.6114.4716.0316.3718.54Manufacture of radio, television and communications equipment and apparatus (32)15.5716.4218.5819.4518.7820.34Manufacture of medical, precision and optical instruments, watches and clocks (33)14.6715.1915.1616.5016.50Manufacture of other transport equipment (35)14.1314.0014.8115.7716.5416.71Manufacture of furniture; manufacturing n.e.c. (36)14.7514.6615.415.3116.0818.18Manufacture of other transport equipment (35)14.7514.6615.415.3116.0818.18(4.63)(5.03)(4.98)(4.29)(4.58)(4.69)(4.83)	products, except machinery and 12.62	12.92 13.35	13.68 14.06	14.78 15.4
Manufacture of office machinery and computers (30) $16.53$ $13.93$ $14.67$ $15.13$ $18.46$ $16.05$ Manufacture of electrical machinery and apparatus n.e.c. (31) $14.57$ $14.61$ $14.47$ $16.03$ $16.37$ $18.54$ Manufacture of radio, television and communications equipment and apparatus (32) $15.57$ $16.42$ $18.58$ $19.45$ $18.78$ $20.34$ Manufacture of medical, precision and optical instruments, watches and clocks (33) $14.67$ $15.19$ $15.19$ $15.16$ $16.50$ Manufacture of motor vehicles, trailers and semi-trailers (34) $14.13$ $14.00$ $14.81$ $15.77$ $16.54$ $16.71$ Manufacture of furniture; manufacturing n.e.c. (36) $10.89$ $11.49$ $11.38$ $11.92$ $11.98$ $12.99$ (3.62) $(3.9)$ $(3.31)$ $(3.61)$ $(3.37)$ $(4.69)$	equipment n.e.c. (29) 14.44	14.64 14.87	15.69 15.85	17.23 17.4
Manufacture of electrical machinery and apparatus n.e.c. $(31)$ 14.5714.6114.4716.0316.3718.54Manufacture of radio, television and communications equipment and apparatus $(32)$ 15.5716.4218.5819.4518.7820.34Manufacture of medical, precision and optical instruments, watches and clocks $(33)$ 14.1614.614.9115.1915.1616.50Manufacture of motor vehicles, trailers and semi-trailers $(34)$ 14.1314.0014.8115.7716.5416.71Manufacture of other transport equipment $(35)$ 14.7514.6615.415.3116.0818.18Manufacture of furniture; manufacturing n.e.c. $(36)$ 10.8911.4911.3811.9211.9812.99(3.62)(3.9)(3.31)(3.61)(3.37)(4.69)	y and computers (30) 16.53	13.93 14.67	15.13 18.46	16.05 17.0
Manufacture of radio, television and communications equipment and apparatus $(32)$ 15.5716.4218.5819.4518.7820.34Manufacture of medical, precision and optical instruments, watches and clocks $(33)$ (6.16)(7.03)(7.71)(7.33)(6.89)(8.1)Manufacture of motor vehicles, trailers and semi-trailers $(34)$ 14.1614.614.9115.1716.5416.71(4.54)(4.16)(4.15)(4.24)(4.63)(4.83)Manufacture of other transport equipment $(35)$ 14.7514.6615.415.3116.0818.18(4.63)(5.03)(4.98)(4.29)(4.58)(11.53)Manufacture of furniture; manufacturing n.e.c. $(36)$ 10.8911.4911.3811.9211.9812.99(3.62)(3.9)(3.31)(3.61)(3.37)(4.69)	nery and apparatus n.e.c. (31) 14.57	14.61 14.47	16.03 16.37	18.54 17.2
Manufacture of medical, precision and optical instruments, watches and clocks $(33)$ 14.1614.614.9115.1915.1616.50Manufacture of motor vehicles, trailers and semi-trailers $(34)$ 14.1314.0014.8115.7716.5416.71Manufacture of other transport equipment $(35)$ 14.7514.6615.415.3116.0818.18Manufacture of furniture; manufacturing n.e.c. $(36)$ 10.8911.4911.3811.9211.9812.99(3.62)(3.9)(3.31)(3.61)(3.37)(4.69)	and communications equipment and 15.57	16.42 18.58	19.45 18.78	20.34 21.8
Manufacture of motor vehicles, trailers and semi-trailers (34) $14.13$ $14.00$ $14.81$ $15.77$ $16.54$ $16.71$ $(4.54)$ $(4.16)$ $(4.15)$ $(4.24)$ $(4.63)$ $(4.83)$ Manufacture of other transport equipment (35) $14.75$ $14.66$ $15.4$ $15.31$ $16.08$ $18.18$ $(4.63)$ $(5.03)$ $(4.98)$ $(4.29)$ $(4.58)$ $(11.53)$ Manufacture of furniture; manufacturing n.e.c. (36) $10.89$ $11.49$ $11.38$ $11.92$ $11.98$ $12.99$ $(3.62)$ $(3.9)$ $(3.31)$ $(3.61)$ $(3.37)$ $(4.69)$				
Manufacture of other transport equipment (35) $14.75$ $14.66$ $15.4$ $15.31$ $16.08$ $18.18$ (4.63)(5.03)(4.98)(4.29)(4.58)(11.53)Manufacture of furniture; manufacturing n.e.c. (36) $10.89$ $11.49$ $11.38$ $11.92$ $11.98$ $12.99$ (3.62)(3.9)(3.1)(3.61)(3.37)(4.69)				
Manufacture of furniture; manufacturing n.e.c. (36)10.8911.4911.3811.9211.9812.99(3.62)(3.9)(3.31)(3.61)(3.37)(4.69)	equipment (35) 14.75	14.66 15.4	15.31 16.08	18.18 18.2
			11.92 11.98	12.99 13.6
Recycling (37) $11.30$ $11.29$ $11.57$ $12.36$ $12.05$ $12.70$ $(3.96)$ $(4.73)$ $(3.86)$ $(4.46)$ $(3.61)$ $(4.01)$	11.30	11.29 11.57	12.36 12.05	12.70 15.0
Electricity, gas, steam and hot water supply (40)       24.47       24.46       24.47       25.62       21.48       25.84	vater supply (40) 24.47	24.46 24.47	25.62 21.48	25.84 26.0
Collection, purification and distribution of water (41) $(312)$ $(130)$ $(311)$ $(1010)$ $(1111)$ 13.5313.5014.0914.513.9215.53(4.81)(4.94)(4.25)(3.34)(4.89)(4.74)	ribution of water (41) 13.53	13.50 14.09	14.5 13.92	15.53 16.7
Construction (45) $(4.54)$ $(4.54)$ $(4.54)$ $(4.55)$ $(4.55)$ $(4.74)$ Construction (45) $11.90$ $12.01$ $12.75$ $13.03$ $13.32$ $13.96$ $(3.87)$ $(3.43)$ $(3.58)$ $(3.57)$ $(3.43)$ $(4.01)$	11.90	12.01 12.75	13.03 13.32	13.96 14.4
Sale, maintenance and repair of motor vehicles and motorcycles; retail $13.74  13.37  13.96  14.62  14.44  15.91$				

## Table 3: Gross Hourly Wages for Nace 2-Digit Industries (Means and SDs)

sale of automotive fuel (50)	(5.15)	(4.72)	(4.98)	(4.86)	(4.81)	(5.97)	(5.46
Wholesale trade and commission trade, except of motor vehicles and motorcycles (51)	15.32 (7.15)	15.6 (7.24)	15.85 (6.8)	16.25 (7.16)		18.38 (8.51)	17.72 (7.45
Retail trade, except of motor vehicles and motorcycles; repair of personal and household goods (52)	11.57 (4.05)	11.51 (4.05)	12.22 (4.54)	12.3 (4.34)	12.69 (4.35)	12.34 (4.35)	13.3¢ (4.90
Hotels and restaurants (55)	9.02 (3.59)	9.11 (3.4)	9.69 (3.55)	9.57 (2.66)	9.95 (2.74)	10.47 (3.39)	10.92 (3.49
Land transport; transport via pipelines (60)	11.35 (4.28)	11.85 (4.73)	11.38 (4)	11.65 (3.97)	12.13 (3.87)	13.07 (4.81)	13.15 (4.67
Air transport (62)	15.37 (6.92)	12.84 (5.2)	14.97 (6.23)	16.31 (7.58)		19.58 (7.18)	20.09 (7.32
Supporting and auxiliary transport activities; activities of travel agencies (63)	14.38 (5.94)	14.25 (5.39)	14.61 (5.93)	14.73 (5.48)		15.71 (6.16)	16.91 (5.93
Post and telecommunications (64)	14.61 (5.2)	13.92 (6.32)	14.45 (6.56)	15.15 (6.98)		15.54 (6.58)	16.87 (8.30
Financial intermediation, except insurance and pension funding (65)	20.75 (7.58)	21.54 (7.62)	21.15 (8.23)	20.52 (8.18)		25.20 (8.96)	25.14 (11.09
Insurance and pension funding, except compulsory social security (66)	18.45 (7.02)	19.58 (7.76)	19.22 (6.85)	20.44 (7.87)		22.58 (7.72)	23.57 (7.51
Activities auxiliary to financial intermediation (67)	17.27 (7.17)	17.43 (7.74)	17.86 (8.1)	19.68 (9.37)		22.34 (11.23)	22.3( (9.98
Real estate activities (70)	14.25 (7.22)	14.58 (6.88)	14.17 (6.16)	15.52 (6.27)		16.38 (6.97)	18.05 (7.55
Renting of machinery and equipment without operator and of personal and household goods (71)	14.50 (6.08)	14.02 (5.83)	14.26 (5.24)	14.84 (6.04)		16.00 (6.41)	16.55 (6.88
Computer and related activities (72)	17.74 (6.8)	18.26 (7.07)	18.12 (6.94)	19.00 (7.44)		21.21 (8.65)	21.62 (7.66
Research and development (73)	19.50 (8.11)	18.17 (8.03)	17.86 (7.51)	18.29 (7.47)	18.04 (6.8)	20.64 (8.66)	21.19 (7.56
Other businesses activities (74)	14.49 (7.08)	14.47 (6.86)	13.76 (6.19)	15.3 (6.73)	14.64 (6.55)	16.80 (7.77)	16.90 (8.06

Notes: The descriptive statistics refer to the weighted sample.



Variables:	1999	2000	2001	2002	2003	2004	2005	
Intercept	2.333**	2.271**	2.288**	2.208**	2.158**	2.219**	2.355**	
	(0.016)	(0.021)	(0.016)	(0.016)	(0.016)	(0.020)	(0.020)	
Education:								
Primary or no degree			Refe	rence cate	gory			
Lower secondary	-0.012**	0.038**	0.026**	0.017**	0.015**	0.019**	0.012**	
	(0.003)	(0.003)	(0.003)	(0.004)	(0.004)	(0.004)	(0.003)	
Technical/Artistic/Prof. upper secondary	0.026**	0.079**	0.073**	0.051**	0.063**	0.070**	0.046**	
	(0.004)	(0.004)	(0.004)	(0.004)	(0.004)	(0.005)	(0.004)	
General upper secondary	0.038**	0.082**	0.067**	0.052**	0.058**	0.079**	0.050**	
	(0.037)	(0.004)	(0.004)	(0.004)	(0.004)	(0.004)	(0.004)	
Higher non-university short type	0.098**	0.156**	0.126**	0.117**	0.116**	0.148**	0.126**	
	(0.005)	(0.005)	(0.005)	(0.005)	(0.005)	(0.005)	(0.005)	
University and non-university education, long type	0.217** (0.006)	0.256** (0.006)	0.262** (0.006)	0.222** (0.006)	0.235** (0.006)	0.269** (0.007)	0.253**	
Post graduate or PhD	0.323**	0.364**	0.364**	0.287**	0.318**	0.329**	0.310*	
	(0.018)	(0.017)	(0.019)	(0.018)	(0.019)	(0.018)	(0.017)	
Age of the worker:								
20-24 years	Reference category							
25-29 years	0.041**	0.046**	0.048**	0.041**	0.019**	0.030**	0.011*	
	(0.004)	(0.004)	(0.004)	(0.004)	(0.004)	(0.004)	(0.005)	
30-34 years	0.103** (0.004)	0.113** (0.004)	0.118** (0.004)	0.111** (0.004)	0.099** (0.004)	0.113** (0.004)	0.083*	
35-39 years	0.142**	0.147**	0.158**	0.148**	0.143**	0.148**	0.131*	
	(0.004)	(0.004)	(0.004)	(0.004)	(0.004)	(0.004)	(0.005	
40-44 years	0.156**	0.171**	0.174**	0.172**	0.167**	0.176**	0.155*	
	(0.004)	(0.004)	(0.004)	(0.004)	(0.004)	(0.004)	(0.005	
45-49 years	0.187**	0.191**	0.194**	0.184**	0.185**	0.196**	0.171*	
	(0.004)	(0.004)	(0.004)	(0.004)	(0.005)	(0.005)	(0.005	
50-54 years	0.213**	0.220**	0.219**	0.206**	0.207**	0.219**	0.192*	
	(0.005)	(0.005)	(0.005)	(0.005)	(0.005)	(0.005)	(0.006	
55-59 years	0.234**	0.248**	0.233**	0.223**	0.223**	0.235**	0.215*	
	(0.006)	(0.006)	(0.006)	(0.006)	(0.006)	(0.007)	(0.007	
60 years or more	0.239**	0.206**	0.189**	0.200**	0.190**	0.213**	0.198*	
	(0.014)	(0.013)	(0.013)	(0.012)	(0.011)	(0.010)	(0.012	
Seniority in the company:								
0-1 year				rence cate				
2-4 years	0.071** (0.003)	0.067** (0.003)	(0.003)	0.058** (0.003)	(0.003)	0.044** (0.003)	0.033* (0.004	
5-9 years	0.095**	0.089**	0.085**	0.090**	0.089**	0.069**	0.066*	
	(0.003)	(0.003)	(0.003)	(0.003)	(0.003)	(0.003)	(0.004	
10 years or more	0.136**	0.132**	0.129**	0.135**	0.126**	0.122**	0.112*	
	(0.003)	(0.003)	(0.003)	(0.003)	(0.003)	(0.003)	(0.004	
Female (yes)	(0.003)	(0.002)	(0.003)	(0.002)	-0.117** (0.003)	(0.003)	(0.003	
Paid overtime (yes)	0.026**	0.008*	0.021**	0.014**	0.021**	0.018**	0.009 <sup>3</sup>	
	(0.004)	(0.004)	(0.005)	(0.005)	(0.004)	(0.005)	(0.004	
Part time (yes)	-0.041**	-0.033**	-0.026**	-0.028**	-0.016**	-0.024**	0.018*	
	(0.004)	(0.004)	(0.004)	(0.003)	(0.004)	(0.004)	(0.004	
Bonuses for shift, night and/or weekend work (yes)	0.049**	0.051**	0.057**	0.045**	0.053**	0.059**	0.041*	
	(0.003)	(0.003)	(0.003)	(0.003)	(0.003)	(0.003)	(0.003	
Type of employment contract:								
Permanent			Refe	rence cate	gory			
Fixed-term	-0.100**	-0.077**	-0.072**	-0.083**	-0.106**	-0.087**	-0.064*	
	(0.005)	(0.005)	(0.005)	(0.007)	(0.006)	(0.006)	(0.007	

 Table 4: Log Wage Equation, OLS, 1999-2005 (SES data)

40

Other	-0.039**	-0.064**	-0.055**	-0.037**	-0.003	-0.111**	0.009
	(0.007)	(0.007)	(0.008)	(0.009)	(0.008)	(0.013)	(0.015)
Occupation (n=23):	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Private firm (yes): >50 per cent privately owned firm	0.003	0.009	0.030**	0.081**	0.100**	0.082**	0.066**
	(0.008)	(0.010)	(0.006)	(0.007)	(0.006)	(0.007)	(0.008)
Size of the establishment:							
1-4 employees			Refe	rence cate	gory		
5-9 employees	0.005	-0.020	-0.019	0.036**	0.045**	0.014	-0.027°
	(0.012)	(0.017)	(0.014)	(0.012)	(0.011)	(0.016)	(0.016)
10-19 employees	-0.005	-0.030°	-0.029*	0.031**	0.055**	-0.001	-0.023
	(0.010)	(0.016)	(0.012)	(0.011)	(0.011)	(0.015)	(0.016)
20-49 employees	0.020°	-0.002	-0.002	0.051**	0.094**	0.026°	0.008
	(0.011)	(0.016)	(0.012)	(0.011)	(0.011)	(0.015)	(0.016)
50-99 employees	0.053**	0.024	0.029*	0.081**	0.109**	0.048**	0.036*
	(0.011)	(0.016)	(0.012)	(0.011)	(0.011)	(0.015)	(0.016)
100-199 employees	0.072**	0.038*	0.033**	0.100**	0.135**	0.076**	0.062**
	(0.011)	(0.016)	(0.012)	(0.011)	(0.011)	(0.015)	(0.016)
200-499 employees	0.089**	0.057**	0.059**	0.128**	0.152**	0.095**	0.076**
	(0.011)	(0.016)	(0.012)	(0.011)	(0.011)	(0.015)	(0.016)
500-1500 employees	0.115**	0.087**	0.064**	0.158**	0.196**	0.117**	0.122**
	(0.011)	(0.016)	(0.012)	(0.012)	(0.012)	(0.015)	(0.016)
Firm-level collective agreement (yes): collective wage agreement at the firm level for blue- and/or white collars workers	0.039**	0.048**	0.042**	0.047**	0.042**	0.055**	0.040**
	(0.002)	(0.003)	(0.002)	(0.002)	(0.002)	(0.003)	(0.003)
Industry effects (Nace 3-digit, n=155)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Adjusted R <sup>2</sup>	0.656	0.649	0.626	0.639	0.616	0.657	0.618
F-test	579.1**	588.7**	569.2**	532.4**	505.8**	510.1**	443.8**
Number of observations	102,563	106,341	106,575	104,409	100,329	94,909	95,930

Notes: White (1980) heteroscedasticity consistent standard errors are reported between brackets.  $**/*/^{\circ}$ : coefficient significant at the 1, 5 and 10%, respectively.

Industry (NACE two-digit) / Period:	1999	2000	2001	2002	2003	2004	2005
Other mining and quarrying (14)	-1.43	0.32	1.52	1.52	4.98**	4.48**	1.41
Manufacture of food products and	1.35**	1.02**	1.42**	0.49*	0.56*	1.79**	-0.34
beverages (15) Manufacture of tobacco products (16)	6.42**	5.40**	6.69**	4.74**	7.59**	-1.01	6.93**
Manufacture of textiles (17)	-10.74**	-10.45**	-10.17**	-9.61**	-11.86**	-10.30**	-11.98**
Manufacture of wearing apparel; dressing and dyeing of fur (18)	-15.94**	-18.67**	-16.22**	-15.20**	-18.79**	-13.26**	-10.62**
Tanning and dressing of leather; manufacture of luggage, handbags, saddlery, harness and footwear (19) Manufacture of wood and products of	-1.25	-0.81	-4.68*	-7.64**	-12.01**	-8.70**	-6.35**
wood and cork, except furniture; manufacture of articles of straw and plaiting materials (20)	-11.86**	-10.19**	-10.11**	-10.65**	-11.13**	-9.99**	-14.20**
Manufacture of pulp, paper and paper products (21)	3.71**	7.04**	5.48**	6.12**	4.32**	5.05**	5.54**
Publishing, printing and reproduction of recorded media (22)	6.61**	6.57**	6.71**	2.87*	5.64**	5.24**	9.01**
Manufacture of coke, refined petroleum products and nuclear fuel (23)	30.19**	29.29**	28.88**	23.79**	20.30**	29.71**	28.19**
Manufacture of chemicals and chemical products (24)	13.04**	14.68**	16.08**	11.88**	14.03**	15.70**	17.23**
Manufacture of rubber and plastic products (25)	0.01	-2.13**	4.44**	-2.43**	-2.85**	-1.67°	0.60
Manufacture of other non-metallic mineral products (26)	-3.06**	0.26	0.54°	1.26**	0.68°	-0.70	-0.45
Manufacture of basic metals (27)	6.00**	-0.74	-0.49	-2.02*	-1.10	4.17**	5.94**
Manufacture of fabricated metal products, except machinery and equipment (28)	-4.17**	-3.13**	-1.12	-1.13*	-1.46**	-3.00**	-2.59**
Manufacture of machinery and equipment n.e.c. (29)	-1.82**	1.85**	0.13	1.20**	-1.94**	0.31	-0.22
Manufacture of office machinery and computers (30)	2.71	-0.90	-5.51**	-5.43**	2.99	-9.91**	-6.67**
Manufacture of electrical machinery and apparatus n.e.c. (31)	-0.17	0.39	-1.17	-1.93*	-0.72	3.43**	-3.31**
Manufacture of radio, television and communications equipment and apparatus (32)	3.29**	3.52**	7.56**	8.59**	2.94*	4.03**	9.42**
Manufacture of medical, precision and optical instruments, watches and clocks (33)	-3.31**	-1.26	-1.44	1.07	-0.76	-1.85	4.21**
Manufacture of motor vehicles, trailers and semi-trailers (34)	-0.89	-1.57*	0.91*	0.92*	1.19**	0.96°	1.44*
Manufacture of other transport equipment (35)	-1.70*	-2.49**	2.16**	-2.15**	-3.13**	0.99	-2.60*
Manufacture of furniture; manufacturing n.e.c. (36)	-15.41**	-12.07**	-13.83**	-12.47**	-14.03**	-15.55**	-13.76**
Recycling (37)	-8.48**	-4.14°	-4.57**	-3.19*	-5.93**	-7.62**	1.70
Electricity, gas, steam and hot water supply (40)	44.18**	46.32**	40.53**	39.54**	24.35**	41.97**	33.07**
Collection, purification and distribution of water (41)	-12.14**	-16.86**	-6.93**	6.39**	-10.62**	-12.26**	-4.81**
Construction (45)	-4.03**	-2.43**	-1.13*	-1.30**	-2.02**	-2.81**	-4.54**
Sale, maintenance and repair of motor vehicles and motorcycles; retail sale of automotive fuel (50)	1.98**	1.79**	2.08**	4.26**	3.45**	5.63**	2.75**
Wholesale trade and commission trade, except of motor vehicles and motorcycles (51)	1.39**	1.80**	2.56**	2.95**	2.86**	5.65**	2.68**
Retail trade, except of motor vehicles and motorcycles; repair of personal and household goods (52)	-6.04**	-7.43**	-4.75**	-6.97**	-5.60**	-14.76**	-10.30**

## Table 5: Inter-Industry Wage Differentials, in Percentage Terms, 1999-2005 (SES data)



Hotels and restaurants (55)	-17.23**	-18.72**	-17.20**	-18.73**	-15.28**	-18.37**	-19.79**
Land transport; transport via pipelines (60)	-7.70**	-4.14**	-8.15**	-6.36**	-7.89**	-5.32**	-9.62**
Air transport (62)	8.07**	-15.74**	-2.69	-2.04	9.11**	9.15**	-0.26
Supporting and auxiliary transport activities; activities of travel agencies (63)	-0.41	0.12	2.34**	2.01**	3.22**	0.35	3.12**
Post and telecommunications (64)	-4.68**	-6.95**	-4.67**	-7.94**	-7.80**	-10.50**	-4.62**
Financial intermediation, except insurance and pension funding (65)	13.41**	17.17**	20.33**	11.68**	13.68**	21.17**	18.73**
Insurance and pension funding, except compulsory social security (66)	4.63**	7.36**	8.03**	8.85**	7.65**	11.49**	12.24**
Activities auxiliary to financial intermediation (67)	5.00**	8.27**	3.53*	5.31**	12.54**	5.99**	12.39**
Real estate activities (70)	2.88*	5.45**	3.49**	8.34**	1.31	5.79**	13.60**
Renting of machinery and equipment without operator and of personal and household goods (71)	3.83**	-1.68	0.71	1.24	4.42**	0.89	-2.51
Computer and related activities (72)	-1.21	2.23**	-0.44	2.04**	-1.03	0.24	3.51**
Research and development (73)	7.94**	-1.17	-0.99	-0.27	-3.39**	-4.13**	-2.81*
Other businesses activities (74)	1.16**	-2.26**	-8.42**	1.71**	0.46°	-0.33	-1.69**
Adjusted R <sup>2</sup> of the wage regression	0.64	0.64	0.61	0.62	0.60	0.65	0.60
F-test relative to the wage regression	1,155.85**	1,170.0**	1,094.6**	993.5**	970.7**	985.1**	771.84**
F-test relative to the sectoral dummies	148.6**	147.0**	150.6**	127.5**	118.5**	116.6**	117.2**
Per cent significant industry wage	81.3	76.7	76.7	88.4	86.0	79.1	81.3
differentials at the 10 per cent level	(35/43)	(33/43)	(33/43)	(38/43)	(37/43)	(34/43)	(35/43)
Range of industry wage differentials	61.4	65.0	57.7	58.3	43.1	60.3	52.9
Weighted adjusted standard deviation (WASD) of the inter-industry differentials	0.077	0.083	0.086	0.070	0.070	0.089	0.086
Number of industries	43	43	43	43	43	43	43
Number of observations	102,563	106,341	106,575	104,409	100,329	94,909	95,930
	11.00						

Notes: Standard errors of the industry wage differentials have been computed according to Zanchi (1992). \*\*/\*/°: industry wage differential significant at the 1, 5 and 10 per cent level, respectively.

Period:	1999	2000	2001	2002	2003	2004
2000	0.895**/					
	0.772**					
2001	0.924**/	0.937**/				
	0.776**	0.871**				
2002	0.878**/	0.883**/	0.931**/			
	0.697**	0.828**	0.824**			
2003	0.905**/	0.844**/	0.892**/	0.872**/		
	0.852**	0.791**	0.814**	0.806**		
2004	0.916**/	0.876**/	0.927**/	0.900** /	0.907**/	
	0.826**	0.812**	0.839**	0.783**	0.875**	
2005	0.879**/	0.891**/	0.931**/	0.993**/	0.885**/	0.918**/
	0.769**	0.864**	0.888*	0.859**	0.815**	0.852**

 
 Table 6: Pearson / Spearman Correlation Coefficients Between Inter-Industry
 Wage Differentials, NACE two-digit (n=43), (SES data)

Notes: Computation based on the inter-industry wage differentials reported in Table 5. n stands for the number of sectors. \*\*/\*/°: coefficient significant at the 1, 5 and 10 per cent, respectively.

1999	2000	2001	2002	2003	2004	2005
61.4	65.0	57.7	58.3	43.1	60.3	52.9
81.1	77.5	80.7	88.9	69.1	75.7	92.7
0.077	0.083	0.086	0.070	0.070	0.089	0.086
0.093	0.097	0.107	0.085	0.088	0.102	0.113
	61.4 81.1 0.077	1999         2000           61.4         65.0           81.1         77.5           0.077         0.083	1999         2000         2001           61.4         65.0         57.7           81.1         77.5         80.7           0.077         0.083         0.086	1999         2000         2001         2002           61.4         65.0         57.7         58.3           81.1         77.5         80.7         88.9           0.077         0.083         0.086         0.070	1999         2000         2001         2002         2003           61.4         65.0         57.7         58.3         43.1           81.1         77.5         80.7         88.9         69.1           0.077         0.083         0.086         0.070         0.070	1999         2000         2001         2002         2003         2004           61.4         65.0         57.7         58.3         43.1         60.3           81.1         77.5         80.7         88.9         69.1         75.7           0.077         0.083         0.086         0.070         0.070         0.089

Table 7: Dispersion of Inter-Industry Wage Differentials, 1999-2005 (SES data)

Notes: WASD stands for weighted adjusted standard deviation of inter-industry wage differentials.

Period /	2000	2001	2002	2003	2004	2005
Explanatory variables:						
Profits-per-worker (ln) <sup>b</sup>	0.032**	0.022**	0.029**	0.024**	0.032**	0.031**
<b>-</b>	(0.006)	(0.004)	(0.003)	(0.003)	(0.005)	(0.005)
Employee and job characteristics <sup>c</sup>	Yes	Yes	Yes	Yes	Yes	Yes
Firm characteristics <sup>d</sup>	Yes	Yes	Yes	Yes	Yes	Yes
Industry effects <sup>e</sup>	Yes	Yes	Yes	Yes	Yes	Yes
Group effects <sup>f</sup>	Yes	Yes	Yes	Yes	Yes	Yes
R <sup>2</sup>	0.64	0.63	0.65	0.61	0.64	0.60
F-test	245.3**	303.3**	323.7**	274.1**	319.7**	251.1**
Lester (1952) range of wages (percent)	18.5	20.5	28.0	25.8	20.4	28.8
Number of employees	37,574	49,136	51,680	52,808	50,720	56,310
Number of establishments	1,113	1,797	2,085	2,125	2,123	2,238

### Table 8: Log Wage Equation, OLS, 2000-2005 (SES-SBS data)

*Notes* : \*\*/\*/°: coefficient significant at the 1, 5 and 10 per cent, respectively. The dependent variable is the individual gross hourly wage (ln). <sup>a</sup> White (1980) heteroscedasticity-consistent standard errors are reported between brackets. <sup>b</sup> Firm annual gross operating surplus per worker. <sup>c</sup> Dummy for sex; 6 dummies for education; 8 dummies for age; 3 dummies for tenure; 2 dummies for the type of employment contract; a dummy indicating if the worker is part-time; a variable showing whether the individual received a bonus for shift work, night work and/or weekend work; a dummy for paid overtime; and 22 occupational dummies. <sup>d</sup> 7 dummies for the size of the establishment (i.e. number of workers); a dummy for the establishment's financial and economic control; and a dummy for the level of collective wage bargaining. <sup>e</sup> NACE three-digit industry classification; <sup>f</sup> Group effects estimations use the correction for common variance components within groups developed by Over, Jolliffe and Foster (1996).

Period /	2000	2001	2002	2003	2004	2005
Explanatory variables:						
Profits-per-worker (ln) <sup>b, c</sup>	0.041**	0.040**	0.034**	0.035**	0.043**	0.042**
-	(0.010)	(0.005)	(0.005)	(0.006)	(0.006)	(0.007)
Employee and job characteristics <sup>d</sup>	Yes	Yes	Yes	Yes	Yes	Yes
Firm characteristics <sup>e</sup>	Yes	Yes	Yes	Yes	Yes	Yes
Industry effects <sup>f</sup>	Yes	Yes	Yes	Yes	Yes	Yes
Group effects <sup>g</sup>	Yes	Yes	Yes	Yes	Yes	Yes
R <sup>2</sup>	0.64	0.63	0.65	0.61	0.64	0.60
F-test	245.3**	307.4**	321.0**	275.8**	291.0**	251.0**
R <sup>2</sup> , first stage	0.86	0.78	0.73	0.78	0.78	0.80
F-test, first stage	4,694.1**	3,665.3**	4,684.2**	1,685.8**	2,263.5**	3,960.5**
Lester (1952) range of wages	23.7	37.3	32.9	31.2	36.5	39.0
(percent)						
Number of employees	37,574	49,136	51,680	52,808	50,720	56,310
Number of establishments	1,133	1,797	2,085	2,125	2,123	2,238

### Table 9: Log Wage Equation, 2SLS, 2000-2005 (SES-SBS data)

*Notes* : \*\*/\*/°: coefficient significant at the 1, 5 and 10 per cent, respectively. The dependent variable is the individual gross hourly wage (ln). <sup>a</sup> White (1980) heteroscedasticity-consistent standard errors are reported between brackets. <sup>b</sup> Firm annual gross operating surplus per worker. <sup>c</sup> The instrument used in the 2SLS regressions (besides the exogenous variables in equation (6)) is the lagged value of firm-level profits-per-employee. <sup>d</sup> Dummy for sex; 6 dummies for education; 8 dummies for age; 3 dummies for tenure; 2 dummies for the type of employment contract; a dummy indicating if the worker is part-time; a variable showing whether the individual received a bonus for shift work, night work and/or weekend work; a dummy for paid overtime; and 22 occupational dummies. <sup>e</sup> 7 dummies for the size of the establishment (i.e. number of workers); a dummy for the establishment's financial and economic control; and a dummy for the level of collective wage bargaining. <sup>f</sup> NACE three-digit industry classification; <sup>g</sup> Group effects estimations use the correction for common variance components within groups developed by Over, Jolliffe and Foster (1996).

ndustry (NACE two-digit) / Period:	2000	2001	2002	2003	2004	2005
Other mining and quarrying (14)	-5,86°	-4,70**	-3,82	0,33	-0,55	-2,26
Manufacture of food products and						
beverages (15)	-1,58	-0,98	0,29	-0,77	0,34	-0,16
Manufacture of tobacco products (16)	-2,42	-0,30	-1,18	3,30	-2,42°	2,89
Manufacture of textiles (17)	-12,40**	-9,93**	-7,29**	-9,22**	-7,76**	-7,65**
Manufacture of wearing apparel; dressing	,	,	,	,	,	,
and dyeing of fur (18)	-6,41	-12,15	-8,96	-17,52**	-12,62*	-12,81**
Canning and dressing of leather; nanufacture of luggage, handbags, addlery, harness and footwear (19) Manufacture of wood and products of	-0,92	-4,90**	-4,76**	-10,01**	-7,05	-7,06**
vood and cork, except furniture; nanufacture of articles of straw and plaiting materials (20) Manufacture of pulp, paper and paper	-13,57**	-12,68**	-9,72**	-12,43**	-11,67**	-15,91**
products (21)	1,19	-0,99	2,39	1,86	2,75	3,83
Publishing, printing and reproduction of ecorded media (22)	5,17°	5,87	8,32**	5,75*	6,39**	8,53**
Manufacture of coke, refined petroleum products and nuclear fuel (23) Manufacture of chemicals and chemical	17,54**	15,70**	18,79**	17,69**	20,63**	17,43**
Annufacture of rubber and plastic	8,53**	9,19**	9,94**	10,00**	10,42**	12,49**
Annufacture of other non-metallic	-5,26*	1,03	-1,14	-5,24*	-5,14°	0,31
nineral products (26)	-3,40	-0,64	3,82°	2,47	-1,92	0,71
Manufacture of basic metals (27)	-4,21	10,65**	6,53	8,66**	11,98**	4,77
Anufacture of fabricated metal products, except machinery and	.,	10,00	0,00	0,000	11,00	.,,,,
equipment (28) Manufacture of machinery and equipment	-5,92**	0,06	-2,09	-1,84	-2,84°	-1,72
n.e.c. (29) Manufacture of office machinery and	-0,69	-1,26	2,18	-0,93	1,09	0,27
computers (30) Manufacture of electrical machinery and	-4,77	-5,90**	-6,21	-5,98	-11,74**	-5,35
Annufacture of recurrent machinery and apparatus n.e.c. (31) Manufacture of radio, television and communications equipment and	0,54	-2,37	-2,37	1,24	1,74	-1,29
pparatus (32) Manufacture of medical, precision and	1,55	5,38°	5,38	-2,23	3,00	7,96**
ptical instruments, watches and clocks 33) Aanufacture of motor vehicles, trailers	-4,29	-2,89	3,99	1,29	0,78	4,61°
nd semi-trailers (34) Aanufacture of other transport equipment	-3,01	-0,81	4,19°	5,54**	4,86	3,22°
35)	-5,70	-3,23	-7,88**	-4,13	5,46	1,15
Manufacture of furniture; manufacturing	-12,78**	-13,12**	-14,42**	-13,84**	-14,84**	-13,47*
Recycling (37)			-14,42			
	-9,93**	-11,83*	-8,10**	-3,81	-4,32**	-1,17
Electricity, gas, steam and hot water upply (40)	31,86**	26,14**	32,33**	41,76**	61,35**	24,87**
Collection, purification and distribution	-23,43**	-12.41**	-15,66**	16 20**	-14,84**	-9,56**
f water (41)		,	<i>,</i>	-16,20**		
Construction (45)	-1,49	-0,75	1,75°	0,63	-1,83	-2,18
Sale, maintenance and repair of motor rehicles and motorcycles; retail sale of utomotive fuel (50) Wholesale trade and commission trade,	3,20	2,46	4,55*	1,37	8,47**	-0,25
xcept of motor vehicles and motorcycles						
51) Retail trade, except of motor vehicles and	-0,22	3,06*	2,40°	0,66	3,35**	2,22°

# Table 10: Inter-Industry Wage Differentials After Controlling for Rent-Sharing,in Percentage Terms, 2000-2005 (SES-SBS data)

48

household goods (52)						
Hotels and restaurants (55)	-16,07**	-15,04**	-18,90**	-15,23**	-16,83**	-17,32**
Land transport; transport via pipelines (60)	6,73*	-4,72	-5,19**	-4,65°	-1,15	-2,54
Air transport (62)	4,73**	10,48**	15,21	14,58	18,32**	-0,97
Supporting and auxiliary transport activities; activities of travel agencies						
(63)	-1,91	-3,06	3,01	2,96	1,18	2,15
Post and telecommunications (64)	6,16*	2,94	-1,35	-0,39	-3,14	-3,01
Financial intermediation, except insurance and pension funding (65) Activities auxiliary to financial	-12,19**	0,91	-7,16*	6,52	-1,55	9,32
intermediation (67)	1,22	-4,77	-1,34	0,65	3,32	5,81
Real estate activities (70)	-4,58	-5,07	-3,11	-5,53	-2,79	-1,07
Renting of machinery and equipment without operator and of personal and						
household goods (71)	-6,65*	-10,02**	-4,00	-4,20*	-9,10**	-10,51*
Computer and related activities (72)	-1,76	-3,06	2,58	-1,13	4,62°	0,88
Research and development (73)	14,03*	-3,32	3,93	2,93	2,67	-1,20
Other businesses activities (74)	0,57	-1,33	1,91	1,01	0,15	-1,77
Adjusted R <sup>2</sup> of the wage regression	0.62	0.61	0.63	0.59	0.63	0.58
F-test relative to the wage regression	592.4**	337.9**	262.7**	146.0**	188.1**	163.5**
F-test relative to the sectoral dummies	24.8**	20.5**	13.8**	9.3**	18.4**	12.5**
Per cent significant industry wage differentials at the 10 per cent level	47.6 (20/42)	42.9 (18/42)	47.6 (20/42)	40.4 (17/42)	52.4 (22/42)	40.5 (17/42)
Range of industry wage differentials	55.3	41.2	51.2	59.3	78.2	42.2
Weighted adjusted standard deviation (WASD) of the inter-industry differentials	0.071	0.063	0.068	0.054	0.065	0.061
Number of industries	42	42	42	42	42	42
Number of observations	37,574	49,136	51,680	52,808	50,720	56,310

Notes: Standard errors of the industry wage differentials have been computed according to Zanchi (1992). \*\*/\*/°: industry wage differential significant at the 1, 5 and 10 per cent level, respectively.

ΔQ

## Appendix 1: Description and Means (SDs) of Selected Variables, 2000-2005 (SES-SBS data)

Variables:	2000	2001	2002	2003	2004	2005
Gross hourly wage : (in EUR) includes overtime paid,	15.51	15.29	15.31	15.25	16.63	17.43
premiums for shift work, night work and/or	(6.5)	(6.4)	(6.1)	(7.2)	(7.2)	(7.5)
weekend work and bonuses (i.e. irregular payments						
that do not occur during each pay period, such as pay for holiday, 13 <sup>th</sup> month, profits sharing, etc.).						
Profits-per-worker: (in thousands of EUR)	32.03	28.99	29.33	28.85	33.61	38.82
approximated by the firm annual gross operating	(46.2)	(67.5)	(70.9)	(64.2)	(71.3)	(90.1)
surplus per worker. The gross operating surplus corresponds to the difference between value added						
at factors costs and total personnel expenses.						
Education:						
Primary or no degree	10.4	9.5	8.4	7.3	8.3	8.6
Lower secondary	28.0	31.2	30.3	27.3	25.0	21.2
Technical/Artistic/Prof. upper secondary	21.6	18.9	18.4	20.0	22.0	25.4
General upper secondary	18.9	19.0	20.6	22.4	20.0	19.0
Higher non-university short type	13.4	14.2	14.0	14.7	15.9	16.2
University and non-university education, long type	7.3	6.8	7.7	7.9	8.3	9.1
Post graduate or PhD	0.4	0.4	0.6	0.4	0.5	0.5
Age of the worker:						
20-24 years	9.5	9.3	8.7	8.2	7.5	8.0
25-29 years	14.5	14.6	14.2	15.7	14.1	14.2
30-34 years	16.1	16.4	16.8	17.2	16.4	15.6
35-39 years	17.0	17.3	17.2	17.5	17.5	17.0
40-44 years	14.6	14.7	15.4	14.7	15.9	15.8
45-49 years	12.8	12.4	12.5	12.1	12.7	13.5
50-54 years	10.4	9.8	9.7	9.2	9.9	10.0
55-59 years	4.5	4.8	4.7	4.5	5.1	4.9
60 years or more	0.6	0.7	0.8	0.9	0.9	1.0
Seniority in the company:						
0-1 year	20.6	23.3	20.3	19.2	18.0	16.9
2-4 years	17.3	18.8	22.7	24.6	22.9	19.5
5-9 years	14.7	14.6	16.0	18.5	20.6	23.7
10 years or more	47.4	43.3	41.0	37.7	38.5	39.9
Female (yes)	26.5	28.1	29.5	31.8	29.2	30.7
Paid overtime (yes)	4.2	3.1	2.6	3.5	4.0	5.5
Part time (yes)	8.0	8.3	9.6	8.4	8.7	10.9
Bonuses for shift, night and/or weekend work (yes)	26.7	21.9	20.4	19.1	18.1	19.5
Type of employment contract:						
Permanent	91.6	93.0	96.0	94.9	95.7	95.1
Fixed-term	5.7	4.9	3.4	3.5	3.8	4.4
Other	2.7	2.1	0.6	1.6	0.5	0.5
Occupation:						
Corporate managers (12)	2.6	2.1	2.0	2.3	2.4	2.6
Managers of small enterprises (13)	0.2	0.5	0.2	0.3	0.3	0.3
Physical, mathematic and engineer science						
professionals (21)	4.5	5.1	4.7	4.6	5.3	5.6
Life science and health professionals (22)	0.2	0.2	0.3	0.3	0.3	0.3
Teaching professionals (23)	0.0	0.0	0.0	0.0	0.0	0.0
Other professionals (24)	4.1	4.3	4.6	5.6	4.4	5.7
Physical and engineer science associate					~ ^	<b>-</b> .
professionals (31) Life science and health associate professionals (32)	7.1	6.2	5.0	4.6	5.0	5.4
Life science and health associate professionals (32)	0.5	0.3	0.4	0.4	0.5	0.6
Teaching associate professionals (33)	0.1	0.0	0.1	0.0	0.0	0.0
Other associate professionals (34)	3.3	2.5	2.8	5.8	2.6	2.4
Office clerks (41)	14.9	15.8	15.1	15.5	15.9	16.6



50

Number of observations	37,574	49,136	51,680	52,808	50,720	56,310
agreement at the firm level for blue- and/or white collars workers	45.1	41.4	37.0	33.4	38.6	39.3
Firm-level collective agreement (yes): collective wage						
500-1500 employees	42.0	33.0	28.3	25.8	26.0	28.4
200-499 employees	29.5	24.5	22.9	22.5	22.4	21.2
100-199 employees	11.9	17.9	19.0	15.8	16.4	17.8
50-99 employees	6.8	10.8	12.1	12.8	13.9	13.2
20-49 employees	5.7	9.8	13.2	13.0	15.6	13.6
10-19 employees	1.8	1.9	2.4	3.5	2.9	2.7
5-9 employees	1.5	1.4	1.4	3.6	1.7	1.7
1-4 employees	0.8	0.7	0.7	3.0	1.1	
ize of the establishment:						
Private firm (yes): >50 per cent privately owned firm	99.4	98.7	96.9	99.0	97.9	99.2
Labourers in mining, construction, manufacturing and transport (93)	4.5	5.9	5.6	5.7	5.8	5.7
Sales and services elementary occupations (91)	3.0	3.9	4.6	3.2	3.2	3.5
Drivers and mobile plant operators (83)	4.0	5.0	5.5	5.7	6.4	4.8
Machine operators and assemblers (82)	13.7	13.1	10.2	10.8	10.9	11.8
Stationary plant and related operators (81)	6.1	5.0	4.8	5.2	5.0	4.0
Other craft and related trades workers (74)	5.2	5.3	6.1	5.4	5.6	5.7
Precision, handicraft, printing workers (73)	1.4	1.3	1.4	1.5	1.2	1.4
Metal, machinery and related trades workers (72)	10.7	9.0	9.2	7.8	8.6	9.1
Extraction and building trading workers (71)	3.3	4.6	4.7	5.0	4.5	4.2
Models, salespersons and demonstrators (52)	3.8	3.6	4.5	3.5	5.5	6.1
Personal and protective services workers (51)	4.9	3.8	5.4	4.3	4.3	3.1
Customer services clerks (42)	1.9	2.5	2.8	2.5	2.3	1.4

Notes: The descriptive statistics refer to the weighted sample. Descriptive statistics relative to the sectoral affiliation of the workers are available upon request.

data)							
Industry (Nace 3-digit) / Data set:	1999	2000	2001	2002	2003	2004	2005
Quarrying of stone (141)	-5.07*	-1.06	-0.78	-0.09	2.28	1.66	-0.36
Quarrying of sand and clay (142)	12.45**	7.18**	14.82**	10.75**	14.78**	13.73**	9.42**
Production, processing and preserving of meat and meat products (151)	-0.91	0.43	-0.17	-3.29**	-3.62**	-1.84	-4.79**
Processing and preserving of fish and fish products (152)	-3.75*	-6.29**	-10.03**	2.81	-0.06	-2.35	-5.29
Processing and preserving of fruit and vegetables (153)	-4.11**	0.57	0.06	-3.70**	-2.62*	-5.84***	-6.02**
Manufacture of vegetable and animal oils and fats (154)	13.60**	4.47*	11.65**	11.14**	9.16**	10.16**	15.33**
Manufacture of dairy products (155)	-2.44*	-2.56*	-0.16	-2.32*	3.47**	0.33	0.21
Manufacture of grain mill products, starches and							
starch products (156)	10.22**	11.35**	5.34**	11.37**	8.47**	7.73**	8.77**
Manufacture of prepared animal feeds (157)	2.47°	5.85**	1.34	2.52*	-0.83	4.23**	0.19
Manufacture of other food products (158)	2.35**	1.29**	1.43**	1.96**	0.17	3.12**	-0.09
Manufacture of beverages (159)	2.10**	-0.28	2.69**	-0.53	1.45°	4.64**	4.44**
Manufacture of tobacco product (160)	6.59**	5.57**	7.21**	4.48**	6.97**	-1.03	6.53**
Preparation and spinning of textile fibres (171)	-10.78**	-5.52**	-12.62**	-6.56**	-11.04**	-15.23**	-10.27**
Textile weaving (172)	-8.48**	-9.93**	-9.40**	-6.35**	-11.10**	-11.33**	-13.59**
Finishing of textiles (173)	-10.78**	-13.70**	-13.16**	-9.29**	-11.61**	-11.85**	-6.68*
Manufacture of made-up textile articles, except	1.4.0.4.4.4	10 5000	10 10 ***	10.00	10 45 44	14.01.44	1 4 - 4 - 4 - 4
apparel (174) Manufacture of other textiles (175)	-14.94**	-13.56**	-13.10**	-12.23**	-19.45**	-14.01**	-15.54**
Manufacture of knitted and crocheted articles (177)	-10.21**	-8.57**	-7.86**	-9.92**	-9.66**	-6.85**	-11.05**
	-14.94**	-20.41**	-22.64**	-16.57**	-23.09**	-20.79**	-21.85**
Manufacture of other wearing apparel and accessories (182)	-16.28**	-18.55**	-16.71**	-15.15**	-19.30**	-13.40**	-10.75**
Manufacture of luggage, handbags and the like,	-10.20	-10.55	-10.71	-15.15	-17.50	-15.40	-10.75
saddlery and harness (192)	1.08	0.57	-2.77	-5.16*	-10.47**	-13.69**	-6.47*
Manufacture of footwear (193)	-5.47**	-2.62	-9.99**	-9.55**	-13.73**	7.73*	-4.54
Sawmilling and planing of wood, impregnation of wood (201)	-10.32**	-14.71**	-11.60**	-13.33**	-13.39**	-14.38**	-16.27**
Manufacture of veneer sheets; manufacture of							
plywood, laminboard, particle board, fibre board and other panels and boards (202)	-9.65**	-8.72**	-8.95**	-9.78**	-9.55**	-5.43**	-8.13**
Manufacture of builders' carpentry and joinery	10.02**	0.0(**	0.01**	10.02**	10.00**	10.01**	17 40**
(203) Manufacture of wooden containers (204)	-12.83**	-8.06**	-9.01**	-10.93**	-12.02**	-10.81**	-17.42**
Manufacture of other products of wood;	-7.48**	-6.93**	-7.68**	-7.19**	-8.95**	-13.26**	-11.58**
manufacture of articles of cork, straw and plaiting							
materials (205)	-16.93**	-15.89**	-15.84**	-11.04**	-11.90**	-14.67**	-20.39**
Manufacture of pulp, paper and paperboard (211)	9.13**	10.30*	8.93**	14.38**	13.54**	14.04**	16.17**
Manufacture of articles of paper and paperboard	3.08**	6.78**	5.43**	3.75**	1.29*	2.25**	2.83**
(212) Publishing (221)	2.37*	5.12**					
Printing and service activities related to printing	2.37*	3.12***	4.48**	-6.53**	-1.43	2.24*	5.62**
(222)	8.85**	8.18**	8.93**	14.26**	11.19**	7.97**	12.78**
Manufacture of refined petroleum products (232)	38.94**	40.26**	41.26**	33.72**	29.30**	36.38**	35.70**
Processing of nuclear fuel (233)	10.79**	9.18**	6.36**	7.02**	2.18	13.89**	15.43**
Manufacture of basic chemicals (241)	19.38**	21.06**	23.70**	19.50**	21.70**	21.70**	27.79**
Manufacture of paints, varnishes and similar coatings, printing ink and mastics (243)	2.82°	9.85**	4.67**	3.16**	3.82**	7.40**	10.44**
Manufacture of pharmaceuticals, medicinal							
chemicals and botanical product (244) Manufacture of soap and detergents, cleaning and	6.81**	6.82**	11.89**	9.24**	12.74**	13.50**	16.49**
polishing preparations, perfumes and toilet	-1 59	-3.44**	4.27**	-7 55**	-1 79	-3 07°	-4 27**
polishing preparations, perfumes and toilet preparations (245)	-1.59 23 46**	-3.44** 28 14**	4.27** 24 11**	-7.55** 17 21**	-1.79 17 14**	-3.07° 24 87**	-4.27** 19 80**
polishing preparations, perfumes and toilet	-1.59 23.46** -0.39	-3.44** 28.14** -3.82°	4.27** 24.11** -2.76	-7.55** 17.21** -1.41	-1.79 17.14** -4.90**	-3.07° 24.87** -0.34	-4.27** 19.80** -0.32

# Appendix 2: Inter-Industry Wage Differentials, in Percentage Terms, 1999-2005 (SES data)



Manufacture of plastic products (252)							
Manufacture of glass and glass products (261)	0.61	-1.61°	5.60**	-2.25**	-2.40**	-1.04	2.09**
Manufacture of non-refractory ceramic goods other than for construction purposes; manufacture of	-5.64**	-1.88	-5.12**	-0.85	-1.85	-7.29**	-5.70**
refractory ceramic products (262) Manufacture of bricks, tiles and construction	-8.34**	-5.99**	-6.51*	-8.98**	-10.95**	-10.75**	0.19
products, in baked clay (264)	-1.69	1.02	0.56	0.71	-4.85**	-2.35	-0.79
Manufacture of cement, lime and plaster (265)	12.86**	14.35**	24.97**	22.40**	18.71**	14.91**	16.28**
Manufacture of articles of concrete, plaster and	0.4.6	0.1.1.1.1.1	<b>F</b> (0.000		2.02.tvt	0.44.64	
cement (266) Cutting, shaping and finishing of stone (267)	-0.16	3.14**	5.48**	2.15**	3.03**	3.41**	2.79**
Manufacture of other non-metallic mineral	5.51**	-3.00°	-0.88	-1.24	-6.78**	-2.23	-2.89
products (268)	-3.91	-3.93°	2.88	1.90	-2.22	6.67**	-2.83
Manufacture of basic iron and steel and of ferro-	6 4 6 4 4	2 460	2.0(*	4.04**	4 40**	0 10	0.52**
alloys (ECSC) (271) Manufacture of tubes (272)	6.46**	-3.46°	-3.26* 5.34**	-4.04** 4.45**	-4.40** 6.88**	2.13	8.53**
Other first processing of iron and steel and	1.49	-0.64	5.54	4.43***	0.88	0.25	0.61
production of non-ECSC ferro-alloys (273)	5.67**	-0.59	-4.97**	-1.63	1.47	6.04**	8.24**
Manufacture of basic precious and non-ferrous							
metals (274)	12.42**	7.47**	13.99**	8.09**	8.13**	11.23**	7.46**
Casting of metals (275) Manufacture of atmatural metal and ducta (281)	0.70	4.59**	0.08	-4.97**	1.32°	-0.17	1.20°
Manufacture of structural metal products (281) Manufacture of tanks, reservoirs and containers of	-6.55**	-6.44**	-3.91**	-2.59**	-4.15**	-6.69**	-4.06**
metal; manufacture of central heating radiators and							
boilers (282)	-3.09°	-2.71*	1.16	-3.12**	-1.98	-1.68	-4.26**
Manufacture of steam generators, except central							
heating hot water boilers (283)	-7.05**	-8.58**	6.22**	3.04*	-1.27	-4.95**	0.89
Forging, pressing, stamping and roll forming of metal; powder metallurgy (284)	-2.26	1.05	0.17	-4.11**	1.75	-6.81**	2.76°
Treatment and coating of metals; general	-2.20	1.05	0.17	-7.11	1.75	-0.01	2.70
mechanical engineering (285)	-0.34	2.19**	1.90**	-0.67	0.75	-0.12	-3.64**
Manufacture of cutlery, tools and general hardware (286)	-3.32*	3.18*	-0.63	0.45	0.46	3.49*	9.39**
Manufacture of other fabricated metal products	-3.32	5.10	-0.05	0.45	0.40	5.49	9.39
(287)	-4.20**	-4.62**	-1.23	1.27°	0.13	-0.25	-0.87
Manufacture of machinery for the production and							
use of mechanical power, except aircraft, vehicle and cycle engines (291)	7.56**	6.44**	7.97**	6.74**	5.13**	5.31**	2.88**
Manufacture of other general purpose machinery	7.50	0.44	1.91	0.74	5.15	5.51	2.00
(292)	-3.77**	-1.36	-2.87**	0.84	-4.58**	2.09*	1.32*
Manufacture of agricultural and forestry machinery	0.00	0 75**	- <i>-</i>	( 20**	0.00**	1.00	0.71
(293) Manufacture of machine-tools (294)	0.29	3.75**	5.65**	6.30**	8.20**	-1.80	0.71
Manufacture of other special purpose machinery	-7.24**	3.06	-0.19	0.90	-2.92°	-3.92*	2.58°
(295)	-3.52**	3.81**	-0.33	-1.19	-3.54**	-1.68	0.02
Manufacture of domestic appliances n.e.c. (297)	-4.42**	-5.09**	-5.94**	-4.42**	-9.08**	-8.07**	-8.87**
Manufacture of office machinery and computers							
(300) Manufacture of electric motors, concreters and	2.96	-0.35	-4.00*	-4.97*	4.01°	-9.27**	-5.19*
Manufacture of electric motors, generators and transformers (311)	-1.60	-4.66**	-1.89	1.27	-3.54*	11.61**	-8.39**
Manufacture of electricity distribution and control	1100		1107		0101	11101	0107
apparatus (312)	-2.02	-2.98**	-4.10**	-3.59**	0.64	3.24**	-4.81**
Manufacture of insulated wire and cable (313)	9.82**	13.34**	2.76**	1.51	8.07**	5.18**	8.27**
Manufacture of lighting equipment and electric lamps (315)	0.92	5.45**	7.43**	4.24**	0.27	-0.52	-2.60
Manufacture of electrical equipment n.e.c. (316)	-2.90	-2.93°	-5.31**	-5.63*	-4.59**	-0.32	-2.00 4.08*
Manufacture of electronic valves and tubes and	-2.70	-2.73	-5.51	-5.05	-т.ЈУ	-1.23	1.00
other electronic components (321)	7.70**	4.10**	7.54**	6.70**	3.55**	9.32**	14.91**
Manufacture of television and radio transmitters							
and apparatus for line telephony and line telegraphy (322)	12.43*	11.76**	14.71**	16.68**	9.61**	9.32**	13.59**
Manufacture of television and radio receivers,	12.43	11.70	17./1	10.00	2.01	1.54	13.37
sound or video recording or reproducing apparatus							
and associated goods (323)	-3.72*	-4.84**	-2.52	5.40**	-1.05	-4.98**	7.50**
Manufacture of medical and surgical equipment	-6.29**	-0.12	-4.43	2.05	-0.83	-0.24	2.57°

and orthopaedic appliances (331)							
Manufacture of instruments and appliances for							
measuring, checking, testing, navigating and other							
purposes, except industrial process control	5.90**	2.37°	8.26**	8.14**	5.72**	1.29	13.40**
equipment (332) Manufacture of industrial process control	5.90	2.37	0.20	0.14	5.72	1.29	13.40
equipment (333) Manufacture of optical instruments and	-8.38**	-4.24**	-6.00**	-8.17**	-8.90**	-6.76*	-0.55
photographic equipment (334)	-3.67°	0.16	-0.97	-4.32°	-2.01	-2.04	1.77
Manufacture of motor vehicles (341)	7.37**	-0.57	3.11**	4.14**	4.24**	1.46°	5.23**
Manufacture of bodies (coachwork) for motor							
vehicles; manufacture of trailers and semi-trailers (342)	-8.53**	-3.51**	-0.99	-3.19**	0.88	1.71*	5.01**
Manufacture of parts and accessories for motor	-0.55	-5.51	-0.99	-3.19	0.00	1./1	5.01
vehicles and their engines (343)	-4.18**	0.17	-0.99	-1.59°	-2.73**	-0.33	-3.56**
Building and repairing of ships and boats (351)	-2.11	5.67**	-0.61	2.65**	-0.31	2.17*	-2.44
Manufacture of railway and tramway locomotives	-4.97**	0.87	1.14*	0.04	0.36	-2.41	2.35
and rolling stock (352) Manufacture of aircraft and spacecraft (353)	4.86**	-4.99**	4.14**	-3.89**	-3.71**	-2.41 5.39**	-1.94
Manufacture of motorcycles and bicycles (354)	-0.35	-7.60**	-2.73	-3.07	-9.70**	-5.01*	-4.07
Manufacture of furniture (361)	-15.16**	-12.98**	-13.58**	-11.53**	-14.67**	-15.02**	-13.39**
Manufacture of jewellery and related articles (362)	-21.23**	-10.09**	-20.52**	-22.29**	-17.49**	-25.68**	-24.22**
Manufacture of games and toys (365)	-7.17**	2.77*	-4.69*	-0.91	9.41**	-1.63	6.45*
Miscellaneous manufacturing n.e.c (366)	-6.60**	-7.41**	-7.87**	-10.02**	-13.56**	-16.55**	-20.05**
Recycling of metal waste and scrap (371)	-4.26°	-4.17*	2.29°	-3.21*	5.94**	-5.72**	8.10**
Recycling of non-metal waste and scrap (372)	-9.81**	-4.15	-8.30**	-4.63*	-14.81**	-9.15**	-2.68
Production and distribution of electricity (401)	44.26**	46.38**	41.20**	38.54**	23.95**	42.15**	33.92**
Manufacture of gas; distribution of gaseous fuels	56.90**	53.41**	56.63**	64.08**	45.98**	50.10**	65.50**
through mains (402) Collection, purification and distribution of water	30.90***	33.41**	30.03**	04.08	43.96**	30.10	03.30***
(410)	-12.33**	-15.99**	-6.71**	5.67**	-10.40**	-12.01**	-4.38**
Site preparation (451)	0.97	6.94**	1.37	-1.29	1.45	6.07**	-1.38
Building of complete constructions or parts thereof;	0.71**	1 62*	0.110	0.17	1.07	0.07**	4 20**
civil engineering (452) Building installation (453)	-2.71** -6.80**	-1.63* -3.86**	0.11° -1.94*	-0.17 -3.77**	-1.07 -4.42**	-2.37** -4.54**	-4.29** -5.39**
Building completion (454)	-0.80***	-3.17**	-1.94* 0.16	-0.09	-4.42***	-4.34**	-3.39**
Renting of construction or demolition equipment	-2.15	-3.17	0.10	-0.09	-1.45	-2.30	-2.99
with operator (455)	-3.18*	2.65*	-0.33	3.22**	6.76**	6.82**	8.70**
Sale of motor vehicles (501)	1.42*	2.03**	4.17**	5.72**	4.99**	7.21**	4.81**
Maintenance and repair of motor vehicles (502)	4.23**	2.67**	1.22*	3.15**	2.79**	7.58**	1.52*
Sale of motor vehicle parts and accessories (503)	-1.45	0.31	-0.33	0.64	-1.30	-2.81°	-0.76
Sale, maintenance and repair of motorcycles and related parts and accessories (504)	1.76	5.05°	2.63	5.43**	0.44	4.71°	5.84**
Wholesale on a fee or contract basis (511)	14.77**	12.73**	11.26**	11.28**	16.82**	18.46**	12.93**
Wholesale of agricultural raw materials and live	11.77	12.75	11.20	11.20	10.02	10.10	12.95
animals (512)	-12.82**	-11.78**	-10.87**	-2.15	-2.92	-6.50**	-0.52
Wholesale of food, beverages and tobacco (513)	-3.39**	-3.25**	-5.55**	-3.07**	-3.65**	1.80*	-2.57*
Wholesale of household goods (514)	0.19	4.14**	3.64**	4.95**	4.45**	9.07**	6.45**
Wholesale of non-agricultural intermediate products, waste and scrap (515)	2.70**	4.17**	3.79**	2.01**	2.34**	5.44**	1.87**
Wholesale of machinery, equipment and supplies	2.70	1.17	5.17	2.01	2.51	5.11	1.07
(516)	4.59**	2.11**	6.77**	3.81**	6.93**	5.16**	4.31**
Retail sale in non-specialised stores (521)	-5.94**	-6.94**	-5.73**	-7.12**	-4.54**	-15.29**	-10.25**
Retail sale of food, beverages and tobacco in specialised stores (522)	-8.28**	-2.92	-3.26	-8.26**	3.74	-12.61**	-8.78**
Retail sale of pharmaceutical and medical goods,	-0.20	-2.72	-3.20	-0.20	5.74	-12.01	-0.70
cosmetic and toilet articles (523)	-11.89**	-9.20**	-11.53**	-8.33**	-7.30**	-12.88**	-11.08**
Other retail sale of new goods in specialised store	<b>a a a a a a a a a a</b>	10 (2)		0.77	10 50 11	15 4200	10 50 55
(524) Retail sale of second-hand goods in stores (525)	-7.79** -9.80**	-10.63**	-5.57** 25.10**	-8.77** 16.20**	-10.73**	-17.46**	-13.73**
Retail sale not in stores (526)	-9.80** -17.73**	-14.31** -8.40**	-25.10** -9.73**	-16.29** -13.00**	-15.26** -11.78**	-7.59 -21.38**	-26.65** -10.65**
Repair of personal and household goods (527)	-17.73***	-8.40*** -4.01*	-9.73*** -1.19	-13.00***	-11.78**	4.03	-0.06
1 1 2000 (027)	-1.72	-1.01	-1.17	- / TU	-10.20	-1.03	-0.00



Hotels (551)	-19.91**	-18.30**	-19.74**	-21.56**	-17.97**	-19.92**	-26.34*
Camping sites and other provision of short-stay	-17.71	-10.50	-17.74	-21.50	-17.97	-17.72	-20.54
accommodation (552)	-20.82**	-24.10**	-19.47**	-16.93**	-19.58**	-20.43**	-19.91**
Restaurants (553)	-19.49**	-20.12	-18.30**	-22.11**	-17.47**	-21.49**	-25.25**
Bars (554)	-24.24**	-22.95**	-23.12**	-24.82**	-22.83**	-19.70**	-9.79*
Canteens and catering (555)	-20.84**	-18.91**	-18.31**	-15.58**	-17.88**	-22.59**	-21.54**
Other land transport (602)	-8.00**	-5.02**	-9.12**	-7.22**	-8.43**	-5.62**	-10.57**
Scheduled air transport (621)	6.91**	-15.91**	-3.01	-1.79	9.60**	9.19**	1.23
Cargo handling and storage (631)	-0.80	-0.15	-2.87*	-1.56	-3.94*	-1.22	0.66
Other supporting transport activities (632)	-4.07°	4.30*	6.01**	4.71**	11.16**	-3.36°	4.95**
Activities of travel agencies and tour operators; tourist assistance activities n.e.c. (633)	-11.06**	-2.85°	-7.87**	-4.72**	-7.67**	-6.56**	-7.41**
Activities of other transport agencies (634)	8.67**	-0.07	8.82**	6.97**	8.65**	5.92**	6.71**
Post and courier activities (641)	-8.53**	-20.29**	-22.83**	-22.13**	-14.64**	-16.03**	-21.64**
Telecommunications (642)	-5.77**	-0.35	3.69**	5.44**	-0.93	-2.32°	9.51**
Monetary intermediation (651)	14.36**	16.85**	20.84**	11.94**	14.33**	23.14**	20.44**
Other financial intermediation (652)	9.49**	20.67**	14.20**	10.85**	14.74**	10.46**	19.16**
Insurance and pension funding, except compulsory							
social security (660)	5.29**	7.81**	8.39**	9.69**	8.70**	12.35**	14.42**
Activities auxiliary to financial intermediation,	10.26**	11.90**	14.52**	14.19**	25.85**	8.39**	22.19**
except insurance and pension funding (671) Activities auxiliary to insurance and pension	10.20	11.90***	14.32***	14.19	23.65***	0.39	22.19***
funding (672)	1.85	6.02**	-3.22°	-1.46	1.51	6.04**	5.86**
Real estate activities with own property (701)	20.63**	16.76**	18.42*	25.37**	24.56**	26.94**	25.24**
Letting of own property (702)	2.03	5.16**	1.10	6.97**	-2.78	3.27**	9.81**
Real estate activities on a fee or contract basis							
(703)	-2.28	-0.52	2.43	3.74*	1.32	5.21*	2.34
Renting of automobiles (711)	7.03**	-0.06	1.35	4.81*	8.16**	5.12**	9.46**
Renting of other machinery and equipment (713)	4.14*	-0.30	3.67**	2.49*	5.44**	1.87	-4.62
Renting of personal and household goods n.e.c. (714)	-11.32**	-10.80**	-10.33**	-14.11**	-8.99**	-13.19**	-21.37**
Hardware consultancy (721)	-0.80	1.85°	3.63**	4.62**	1.85*	2.30*	6.60**
Software consultancy and supply (722)	2.29**	6.35**	1.67*	2.81**	0.64	2.83**	5.21**
Data processing (723)	-4.55*	0.66	-1.61	1.57	2.00	-3.65	8.33**
Data base activities (724)	-1.97	-7.21**	-1.55	-0.89	0.85	1.77	14.50**
Maintenance and repair of office, accounting and							
computing machinery (725)	-14.15**	-9.78**	-10.19**	-8.58**	-13.58**	-13.76**	-3.33
Other computer related activities (726)	5.19	19.68**	10.27**	1.07	18.38**	14.81**	22.58**
Research and experimental development on natural	7.35**	-1.28	-0.15	0.01	-2.02	-3.11°	-0.55
sciences and engineering (731) Legal, accounting, book-keeping and auditing	1.55	-1.20	-0.15	0.01	-2.02	-3.11	-0.55
activities; tax consultancy; market research and							
public opinion polling; business and management							
consultancy; holdings (741)	10.58**	6.87**	6.84**	10.03**	11.17**	10.17**	13.79**
Architectural and engineering activities and related technical consultancy (742)	2.11*	-7.16**	-0.86	-5.74**	1.62°	-6.71**	-1.11
Technical testing and analysis (743)	0.47	5.12**	-0.80 -3.01°	0.44	3.81**	-5.67**	-4.54**
Advertising (744)	-0.83	-8.06**	-16.27**	-8.25**	0.54	0.44	-2.60
Labour recruitment and provision of personnel	-0.05	-0.00	-10.27	-0.25	0.54	0.44	-2.00
(745)	-12.49**	-11.48**	-19.56**	6.40**	0.03	5.49**	-0.65
Investigation and security activities (746)	-19.12**	-9.54**	-15.08**	-4.60**	-15.26**	-13.78**	-14.80**
Industrial cleaning (747)	-4.91**	-6.21**	-10.73**	-6.13**	-9.03**	-8.28**	-20.22**
Miscellaneous business activities n.e.c (748)	11.94**	1.07	-0.79	-4.62**	-4.18**	-3.30*	-6.32**
Adjusted R <sup>2</sup> of wage regression	0.66	0.65	0.63	0.64	0.62	0.66	0.62
F-test relative to the estimated wage regression	579.1**	588.7**	569.2**	532.4**	505.8**	510.1**	443.8**
F-test relative to the sectoral dummies	61.1**	56.8**	66.6**	62.8**	57.4**	49.9**	61.4**
Per cent significant industry wage differentials at	74.8	75.5	73.5	78.7	73.5	79.4	76.8
the 10% level						(123/155)	(119/115
Range of industry wage differentials Weighted adjusted standard deviation (WASD) of	81.1	77.5	80.7	88.9	69.1	75.7	92.7
Weighted adjusted standard deviation (WASD) of the inter-industry differentials	0.093	0.097	0.107	0.085	0.088	0.102	0.113
,							

Number of industries	155	155	155	155	155	155	155
Number of observations	102,563	106,341	106,575	104,409	100,329	94,909	95,930

*Notes*: Standard errors of the industry wage differentials are computed according to Zanchi (1992). \*\*/\*/°: industry wage differential significant at the 1, 5 and 10%, respectively.



Period:	1999	2000	2001	2002	2003	2004
2000	0.882**/					
	0.815**					
2001	0.900**/	0.911**/				
	0.845**	0.851**				
2002	0.868**/	0.873**/	0.905**/			
	0.757**	0.796**	0.841**			
2003	0.868**/	0.864**/	0.889**/	0.892**/		
	0.803**	0.807**	0.862**	0.834**		
2004	0.890**/	0.857**/	0.857**/	0.880**/	0.868**/	
	0.817**	0.779**	0.784**	0.806**	0.798**	
2005	0.831**/	0.8500**/	0.874**/	0.884**/	0.878**/	0.877**/
	0.757**	0.794**	0.808**	0.827**	0.831**	0.823**

Appendix 3: Pearson / Spearman Correlation Coefficients Between Inter-Industry Wage Differentials, NACE 3-digit (n=155), (SES data)

Notes: Computation based on the inter-industry wage differentials reported in Appendix 2. n stands for the number of sectors. \*\*/\*/°: coefficient significant at the 1, 5 and 10 per cent, respectively

Industry (Nace 3-digit) / Data set:	2000	2001	2002	2003	2004	2005
Quarrying of stone (141)	-5,30	-4,91**	-3.77	-1.68	-1.82°	-3.92
Quarrying of sand and clay (142)	-2,66	1,77	-1.19	9.88**	6.00°	3.14
Production, processing and preserving of meat and meat products (151)	1,53	-2,38	-2.45	-2.68	-0.36	-3.56°
Processing and preserving of fish and fish products (152)	-4,95	-5,29**	-4.82*	-7.75°	-8.08**	-4.60
Processing and preserving of fruit and vegetables (153) Manufacture of vegetable and animal oils and fats	-3,42	-3,11	-5.06	-4.56*	-6.37*	-7.56*
(154)	0,05	6,11	8.98	6.42	7.86	11.51
Manufacture of dairy products (155)	-1,69	-5,26*	-4.74*	3.32°	-0.61	1.22
Manufacture of grain mill products, starches and						
starch products (156)	1,43	-5,39	10.29	2.64	6.34°	9.03*
Manufacture of prepared animal feeds (157)	0,69	-1,91	5.96**	-2.26	-0.28	-1.75
Manufacture of other food products (158)	-1,86	1,46	3.84	-0.01	2.18	1.06
Manufacture of beverages (159)	-1,70	-0,96	-2.06	-0.84	-0.18	0.57
Manufacture of tobacco product (160)	-2,21	-0,05	-1.30	3.47	-2.30	2.44
Preparation and spinning of textile fibres (171)	-12,69**	-13,43**	-7.43*	-8.83**	-11.35**	-5.67
Sextile weaving (172)	-11,24**	-11,26**	-4.90*	-7.73**	-8.67**	-9.54*
Finishing of textiles (173)	-16,84**	-13,10**	-3.57	-11.74**	-10.44**	-4.12
Manufacture of made-up textile articles, except pparel (174)	-11,77*	-7,40*	-7.35	-12.08**	-10.99**	-9.51 <sup>;</sup>
Aanufacture of other textiles (175)	-11,41**	-8,56**	-8.83**	-9.71**	-5.88**	-7.68*
Anufacture of knitted and crocheted articles (177)	9,27*	n.a.	-19.20**	-18.46**	-8.48**	-10.00
Manufacture of other wearing apparel and ccessories (182) Manufacture of luggage, handbags and the like,	-6,95	-12,35	-9.20	-18.41**	-12.79*	-13.18
addlery and harness (192)	-0,89	-5,00**	-3.34*	-7.18**	-10.33**	-6.80;
Aanufacture of footwear (193)	-7,40	-6,00**	-5.70*	-15.38*	2.52	-9.25
awmilling and planing of wood, impregnation of wood (201)	-15,87**	-10,89**	-17.03**	-17.42**	-12.20**	-16.89
Manufacture of veneer sheets; manufacture of olywood, laminboard, particle board, fibre board and						
other panels and boards (202)	-10,90**	-13,29**	-10.45**	-11.62**	-9.30*	-13.74
Manufacture of builders' carpentry and joinery (203)	-7,59	-8,64*	-8.93**	-11.11**	-13.95**	-17.20
Manufacture of wooden containers (204)	-11,32**	-14,48**	-10.25**	-10.10**	-13.53**	-9.37
Manufacture of other products of wood; manufacture	10 72**	14 10**	( )7**	0.00	10.01**	20.24
of articles of cork, straw and plaiting materials (205) Manufacture of pulp, paper and paperboard (211)	-19,73**	-14,19**	-6.37**	-8.89	-10.91**	-20.34
Manufacture of articles of paper and paperboard (211)	-2,83	-0,27	4.98*	11.70	11.56	15.06
212)	2,34	-0,88	2.55	-0.07	0.81	0.43
Publishing (221)	3,23	0,56	-2.27	-2.51	1.36	2.75
Printing and service activities related to printing	5,81°	9,84°	16.79**	13.62**	10.13*	13.13
222) Aanufacture of refined petroleum products (232)	25,07**	9,84 24,44**	30.44**	22.91**	24.59**	19.84
Processing of nuclear fuel (233)					11.31**	19.84
Manufacture of basic chemicals (241)	5,93 13,14**	1,53 17,26**	-0.84 18.11**	7.72 19.04**	17.17**	19.78
Manufacture of paints, varnishes and similar	13,14	17,20	10.11	19.04	17.17	19.70
oatings, printing ink and mastics (243) Aanufacture of pharmaceuticals, medicinal	-4,41	0,23	6.30	1.59	4.90*	10.76
hemicals and botanical product (244) Ianufacture of soap and detergents, cleaning and	0,68	0,82	5.04*	5.67	8.07°	7.90
olishing preparations, perfumes and toilet	-7,58*	1,00	-9.60**	-3.26	-2.77	5 50
preparations (245) Manufacture of other chemical products (246)				-3.26 16.82**		-5.50
Manufacture of man-made fibres (247)	27,08**	19,44**	21.38**		9.05*	15.65
Manufacture of rubber products (251)	-8,65*	-6,88*	-1.98	-5.45	-0.37	2.70
Manufacture of plastic products (251)	-4,00	2,81	-1.04	-3.36	-7.98°	-4.70
vianuracture of plastic products (232)	-5,12°	0,81	-0.76	-4.79°	-4.47	1.29

## Appendix 4: Inter-Industry Wage Differentials After Controlling for Rent-Sharing, in Percentage Terms, 2000-2005 (SES-SBS data)

Manufacture of glass and glass products (261)	-5,28*	-6,01*	5.06	2.73	-6.12*	-1.76
Manufacture of non-refractory ceramic goods other						
than for construction purposes; manufacture of						
refractory ceramic products (262)	-15,56**	-9,00**	-2.88	-8.27**	-11.14**	-4.31*
Manufacture of bricks, tiles and construction	-0,98	2 77	0.79	-5.82*	-4.69	-5.41*
products, in baked clay (264) Manufacture of cement, lime and plaster (265)	,	-2,77				
Manufacture of articles of concrete, plaster and	5,77**	15,40**	15.19*	13.08**	3.90	8.65
cement (266)	-0,49	5,87*	2.91	3.89	2.93	3.80°
Cutting, shaping and finishing of stone (267)	-9,59**	-3,45	0.62	-10.34*	2.38	0.38
Manufacture of other non-metallic mineral products	-9,39***	-3,43	0.62	-10.34**	2.30	0.38
(268)	0,60	-10,88**	-1.90	-6.83	5.25	-4.21
Manufacture of basic iron and steel and of ferro-	0,00	10,00	1.20	0.05	5.25	1.21
alloys (ECSC) (271)	-5,18	32,66**	13.77	16.71**	20.91**	5.14
Manufacture of tubes (272)	-2,30	-1,82	0.48	11.85**	4.12	-3.11
Other first processing of iron and steel and						
production of non-ECSC ferro-alloys (273)	-4,34	-5,62	-4.64	0.92	5.20°	4.15
Manufacture of basic precious and non-ferrous						
metals (274)	-0,66	8,45**	10.96**	11.08**	10.41*	7.03*
Casting of metals (275)	5,85	2,63	-2.03	3.98°	1.14	4.44
Manufacture of structural metal products (281)	-7,30*	-3,89	-2.44	-3.61	-3.31	-2.80
Manufacture of tanks, reservoirs and containers of						
metal; manufacture of central heating radiators and	1 7 1	2.05	6 45 44	2.01	2.02	4.75
boilers (282)	-1,71	3,95	-6.45**	-3.21	3.03	-4.75
Manufacture of steam generators, except central heating hot water boilers (283)	6,86**	4,28	3.09	0.98	-6.20	7.61**
Forging, pressing, stamping and roll forming of	0,80**	4,20	5.09	0.98	-0.20	7.01
metal; powder metallurgy (284)	-4,76**	1,47	-6.04	-1.85	-6.77°	-2.90
Treatment and coating of metals; general mechanical	.,	-,				
engineering (285)	-2,91	2,34	-0.15	3.38	-3.20	-3.57
Manufacture of cutlery, tools and general hardware						
(286)	-5,86	0,84	-2.27	-3.67	-1.52	6.98°
Manufacture of other fabricated metal products (287)	-18,97**	-5,84	-4.98**	-5.31**	-1.11	-1.99
Manufacture of machinery for the production and						
use of mechanical power, except aircraft, vehicle and	1.00	2.00	0.0(**	2.00**	2.05**	0.55
cycle engines (291) Manufacture of other concrel numbers machinery	1,29	2,66	8.06**	3.82**	3.95**	0.55
Manufacture of other general purpose machinery (292)	-3,34	-6,32**	-0.88	-3.35	1.20	-0.66
Manufacture of agricultural and forestry machinery	-5,54	-0,52	-0.00	-5.55	1.20	-0.00
(293)	4,09	5,98	11.56*	-4.59°	-1.82	3.32
Manufacture of machine-tools (294)	1,31	0,87	-0.64	-4.98**	-7.81**	4.03
Manufacture of other special purpose machinery	1,51	0,07	0.01	1.50	7.01	1105
(295)	-0,92	-0,91	0.15	0.58	2.84	1.97
Manufacture of domestic appliances n.e.c. (297)	-7,89°	-6,58*	-0.84	-7.97*	-7.85*	-7.05
Manufacture of office machinery and computers						
(300)	-6,05	-5,76**	-6.44	-5.68	-10.97**	-4.40
Manufacture of electric motors, generators and		0.001				1.07
transformers (311)	-2,97	-8,92*	-2.78	5.14	-3.27	-1.06
Manufacture of electricity distribution and control	-3,44	-5,48*	-6.04°	0.95	2.97	-3.82*
apparatus (312) Manufacture of insulated wire and cable (313)						
Manufacture of lighting equipment and electric	7,96**	0,11	12.58**	11.80**	15.69**	9.74*
lamps (315)	4,27	3,27	2.86	-2.37	-0.65	-2.34
Manufacture of electrical equipment n.e.c. (316)	2,95	2,60	-8.51**	-2.29	3.16	5.86
Manufacture of electronic valves and tubes and other	2,95	2,00	-0.31	-2.29	5.10	5.00
electronic components (321)	2,32	11,90**	11.77**	1.21	5.20°	13.62*
Manufacture of television and radio transmitters and	2,32	11,90	11.77	1.21	5.20	15.02
apparatus for line telephony and line telegraphy						
(322)	2,67	-6,28**	4.88°	12.11*	9.00*	10.75**
Manufacture of television and radio receivers, sound						
or video recording or reproducing apparatus and						• • • •
associated goods (323)	-4,75*	-5,30**	-5.81**	-2.74*	-7.76**	2.94*
Manufacture of medical and surgical equipment and orthopaedic appliances (331)	-3,24	-2,85	7.82	-1.66	6.25	2.32
Manufacture of instruments and appliances for			7.82 10.25°			
manature of instruments and apphances for	-2,93	-1,50	10.25	5.91	-0.61	10.19*



measuring, checking, testing, navigating and other purposes, except industrial process control						
equipment (332)						
Manufacture of industrial process control equipment						
(333)	-7,30	-3,78	-7.27	-1.45	0.92	1.43
Manufacture of optical instruments and photographic	5 06**	2.00	2 70	4 40	4.90	0.00
equipment (334) Manufacture of motor vehicles (341)	-5,96**	-3,90	-2.79 9.56**	-4.49 10.15**	-4.89 6.83	-0.90 5.57**
Manufacture of bodies (coachwork) for motor	-1,86	2,06	9.30**	10.15	0.85	5.57**
vehicles; manufacture of trailers and semi-trailers						
(342)	-3,98*	-4,67**	-2.63	3.31	6.24°	8.18
Manufacture of parts and accessories for motor	2.50	5 000	0.24	1 70	0.40	2.00
vehicles and their engines (343) Building and repairing of ships and boats (351)	-3,59	-5,00°	0.34	-1.72 7.78**	-0.40	-3.96 14.87**
Manufacture of railway and tramway locomotives	5,49	6,03	0.74	1.18	8.33*	14.87
and rolling stock (352)	-4,71*	0,19	-17.40**	-0.02	16.32*	15.47**
Manufacture of aircraft and spacecraft (353)	-6,46	-4,75	-1.23	-5.13	0.82	0.18
Manufacture of motorcycles and bicycles (354)	-8,28*	-5,06	-6.73	-5.96	-3.07	-7.20
Manufacture of furniture (361)	-15,16**	-13,53**	-13.84**	-15.97**	-15.17**	-13.07**
Manufacture of jewellery and related articles (362)	-14,15**	-18,15*	-26.12**	-9.06	-18.13**	-14.65*
Manufacture of games and toys (365)	-3,59	-16,13**	-6.49*	11.12**	0.72	-2.31
Miscellaneous manufacturing n.e.c (366)	-0,98	-9,70**	-7.40*	-11.70**	-17.43**	-15.53**
Recycling of metal waste and scrap (371)	-13,06**	-3,11	-7.57**	-1.78	-4.60*	0.19
Recycling of non-metal waste and scrap (372)	-8,67*	-17,87**	-10.45*	-7.34**	-3.03	-4.66
Production and distribution of electricity (401)	31,32**	28,06**	33.47**	48.49**	86.60**	24.22**
Manufacture of gas; distribution of gaseous fuels	20 (2**	26.06**	50 0 <b>0</b> **	22 56**	24.22**	12 1644
through mains (402) Collection, purification and distribution of water	29,62**	36,96**	50.02**	33.56**	34.32**	43.46**
(410)	-22.00**	-10,68**	-20.67**	-15.80**	-14.57**	-9.12**
Site preparation (451)	0,65	13,66**	10.34*	2.79	2.68	-4.13**
Building of complete constructions or parts thereof;	,	,				
civil engineering (452)	-1,10	-1,37	0.88	0.39	-1.48	-2.84*
Building installation (453)	-3,69	-2,78	0.24	-2.90	-3.28	-1.29
Building completion (454)	3,06	4,12*	3.11°	4.28*	1.95	-1.02
Renting of construction or demolition equipment with operator (455)	-16,24**	-2,32	2.63	10.18	-0.92	11.78**
Sale of motor vehicles (501)	2,48	2,90	5.35*	3.43°	8.24**	1.00
Maintenance and repair of motor vehicles (502)	3,19	-0,30	6.00	1.15	13.54**	0.98
Sale of motor vehicle parts and accessories (503)	-0,32	4,40	-6.94°	-5.84°	1.09	-7.22**
Sale, maintenance and repair of motorcycles and	0,02	.,	0171	2101	1105	
related parts and accessories (504)	6,31	4,23	4.93**	-2.09	8.48*	5.20
Wholesale on a fee or contract basis (511)	15,64**	21,83**	22.27**	16.12**	0.34	12.89**
Wholesale of agricultural raw materials and live	11 20**	° 77	2 20	4.01	1 01	0.03
animals (512) Wholesale of food, beverages and tobacco (513)	-11,20** -2,42	-8,27 -6,32*	-2.28 -7.41*	-4.01 -7.32**	-4.84 2.66	-6.26*
Wholesale of household goods (514)	-2,42 1,96	-0,32* 7,76**	6.42*	2.49	2.00 5.92**	-0.20* 4.31*
Wholesale of non-agricultural intermediate products,	1,90	7,70	0.42	2.49	5.92	4.31
waste and scrap (515)	0,42	0,35	-0.81	-0.94	1.06	0.64
Wholesale of machinery, equipment and supplies						
(516)	-3,04	3,54°	2.02	4.17	3.71*	9.02**
Retail sale in non-specialised stores (521)	3,11	-5,28	-10.32*	-5.32**	-11.43**	-5.95*
Retail sale of pharmaceutical and medical goods, cosmetic and toilet articles (523)	-4,98	-12,87*	-9.87*	-8.05*	-12.46**	-10.36*
Other retail sale of new goods in specialised store	,>0	-12,07	-9.07	-0.05	-12.40	-10.50
(524)	-10,53**	-7,62*	-11.86**	-11.97**	-16.91**	-16.05**
Retail sale of second-hand goods in stores (525)	-5,07	-17,75	-16.20**	-27.05**	-26.95**	-30.88**
Retail sale not in stores (526)	-8,54	-9,27°	-17.30**	-15.52**	-22.38**	-14.76**
Repair of personal and household goods (527)	0,18	7,94**	-3.58	-9.44**	10.54**	4.13
Hotels (551)	-20,07**	-25,07**	-25.65**	-19.55**	-20.69**	-24.32**
Camping sites and other provision of short-stay	-20,29**	-23,08**	-25.68**	-13.96**	-13.72**	-16.46**
accommodation (552) Restaurants (553)	-20,29** -13,81**	-23,08**	-25.68**	-13.96**	-13.72**	-16.46** -20.67**
	-13,01	-10,42	-24.33	-13.00	-1/.10	-20.07

$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Bars (554)	02 65**	22 40**	20.24**	22 50**	10 0/**	6 10
$ \begin{array}{cccc} Other financial intermediation, call other maximum constraints of the set of $		,	,				
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		,					
$ \begin{array}{c} Cargo handling and storage (631) & -5.09 & -10.15^{\circ} & -1.77 & -4.75^{\circ} & 0.13 & -1.93 \\ Other supporting transport activities (632) & 7.84 & 8.18 & 17.68^{\circ} & 25.21^{\circ} & 9.40 & 2.81 \\ activities of travel spaceis and tour operators; \\ tourist assistance activities n.e.c. (633) & -6.32 & -12.62^{\ast\ast} & -7.21 & -10.12^{\ast} & -11.19^{\ast\ast} & -12.98^{\ast} \\ Activities of ther transport agencies (634) & -2.08 & 6.84 & 8.17 & 6.73 & 11.64^{\ast} & 8.38^{\ast} \\ Post and courier activities (641) & 7.02^{\varepsilon\ast} & -8.08^{\varepsilon\ast} & -2.87 & -6.53^{\varepsilon\ast} & 2.01 & -2.80 \\ Telecommunications (642) & 4.06 & 7.12 & 1.09 & 3.43 & -4.22 & -2.50 \\ Other financial intermediation, except insurance and pension funding (71) \\ Activities auxiliary to insurance and pension funding (72) & 2.60 & -7.04^{\ast} & -2.66 & -2.83 & 1.89 & 3.20 \\ Real estate activities with own property (701) & 29.07^{\ast\ast} & 28.10^{\ast\ast} & 1.143 & 20.27^{\ast\ast} & 2.89 & 1.71 \\ Letting of own property (702) & -5.74 & -11.19^{\ast} & -8.45 & -11.62^{\ast} & -4.79 & -2.08 \\ Real estate activities on a fee or contract basis (703) & 9.41 & 19.0 & -1.34 & 3.12 & 1.03 & 5.77 \\ Renting of automobiles (711) & 4.21 & -12.11^{\varepsilon\ast} & -4.47 & -1.17 & -9.85^{\varepsilon\ast} & -2.85 \\ Renting of personal and household goods n.e.c. (714) & -12.93^{\circ\ast} & -16.48 & -12.80^{\circ} & -11.73^{\ast} & -16.28^{\ast} & -19.39^{\circ} \\ Hardware consultancy and supply (722) & 3.44 & -2.59 & 0.15 & -1.10 & 2.61 & 1.15 \\ Software consultancy and supply (722) & -13.48^{\ast} & -12.06 & -1.102 & -1.103 & -1.62^{\ast\ast} & -19.39^{\circ} \\ Hardware consultancy and supply (722) & -13.48^{\ast} & -2.26 & -5.64^{\circ} & -5.04^{\circ} & -1.9.39 \\ Hardware consultancy and supply (722) & -13.44^{\circ} & -1.20 & -1.00 \\ Data base activities (726) & 8.46^{\circ} & -1.32 & -1.02^{\ast} & -1.02^{\ast\ast} & -1.04^{\ast\ast} & -1.02^{\ast\ast} & -1.02^{\ast\ast} $	· · · ·						
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			·				
$ \begin{array}{cccccc} \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$							
tourist assistance activities net.e. $(633)$ $-6.32$ $-12.62^{**}$ $7.21$ $-10.19^{**}$ $-11.19^{**}$ $-12.98^{**}$ Activities of other transport agencies $(634)$ $-2.08$ $6.84$ $8.17$ $6.53^{**}$ $2.01$ $-2.88$ Post and courier activities $(641)$ $7.02^{**}$ $8.08^{**}$ $-2.87$ $-6.53^{**}$ $2.01$ $-2.80$ Telecommunications $(642)$ $4.06$ $7.12$ $1.09$ $3.43$ $4.22$ $-2.50$ Other financial intermediation, $-12.30^{**}$ $1.61$ $-3.91$ $7.24$ $-0.81$ $15.77^{**}$ Activities auxiliary to insurance and pension funding $-2.60$ $-7.04^{**}$ $-2.66$ $-2.83$ $1.89$ $3.20$ Real estate activities on a fee or contract basis (703) $-9.41$ $1.90$ $-1.34$ $3.12$ $1.03$ $5.77$ Renting of automobiles (711) $-5.20^{*}$ $-1.1.48^{**}$ $-12.80^{**}$ $-1.59^{**}$ $-2.85$ Renting of automobiles (711) $-5.20^{*}$ $-1.85$ $-2.44$ $-5.62^{*}$ $-15.93^{**}$ Renting of automobiles (712) $-2.83$ $-1.26$ $9.53^{**}$ $-1.62^{**}$ $-1.93^{**}$ Renting of automobiles (721) $-2.83$ $-1.64^{**}$ $-1.73^{**}$ $-1.62^{**}$ $-1.93^{**}$ Mardvare consultancy (721) $-2.84$ $-2.52^{**}$ $-5.17^{**}$ $-6.61^{**}$ $-1.73^{**}$ $-1.62^{**}$ $-1.93^{**}$ Data pase activities (724) $-1.59^{**}$ $-1.64^{**}$ $-1.73^{**}$ $-1.10^{**}$ $-2.84^{**}$ $-$		7,84	-8,18	17.68°	25.21*	-9.40	2.81
$\begin{array}{llllllllllllllllllllllllllllllllllll$		-6.32	-12.62**	-7.21	-10.12*	-11.19**	-12.98**
Post and courier activities (641) $7,02^{**}$ $8,08^{**}$ $2.87$ $6,53^{**}$ $2.01$ $-2.80$ Telecommunications (642)4,06 $7,12$ $1.09$ $3.43$ $4.22$ $2.50$ Other financial intermediation, except insurance and pension funding (672) $1.38$ $-1.48$ $0.52$ $4.94$ $4.89$ $8.65$ Activities auxiliary to financial intermediation, except insurance and pension funding (672) $1.38$ $-1.48$ $0.52$ $4.94$ $4.89$ $8.65$ Real estate activities with own property (701) $29.07^{**}$ $28,10^{**}$ $11.43$ $0.27^{**}$ $2.80$ $1.71$ Letting of own property (702) $5.74$ $11.19^{*}$ $8.44$ $-11.62^{*}$ $4.79$ $-2.08$ Real estate activities on a fee or contract basis (703) $9.41$ $1.90$ $-1.34$ $3.12$ $1.03$ $5.77$ Renting of other machinery and equipment (713) $-5.20^{\circ}$ $-0.47$ $-1.85$ $-2.44$ $-5.22^{*}$ $-15.93^{*}$ Renting of other machinery and supply (722) $3.44$ $-2.59$ $0.15$ $-1.10$ $2.61$ $1.15$ Data processing (723) $0.56$ $-1.32$ $1.70$ $7.53^{**}$ $9.40$ $-1.00$ Data processing (723) $0.56$ $-1.32$ $1.70$ $7.53^{**}$ $9.40$ $-1.00$ Data base activities (724) $-1.52^{**}$ $-3.35$ $3.89$ $2.79$ $2.84$ $-0.30$ Legal, accounting, book-keeping and auditing activities (124) $-9.80^{**}$ $1.84$ $-7.35^$							
$ \begin{array}{ccccc} Telecommunications (642) & 4.06 & 7.12 & 1.09 & 3.43 & 4.22 & -2.50 \\ Other financial intermediation (652) & -12.30** & 1.61 & -3.91 & 7.24 & -0.81 & 15.77** \\ Activities auxillary to financial intermediation, except insurance and pension funding (671) & 1.38 & -1.48 & 0.52 & 4.94 & 4.89 & 8.65 \\ Activities auxillary to insurance and pension funding (672) & -7.04* & -2.66 & -2.83 & 1.89 & 3.20 \\ Real estate activities with own property (701) & 29.07** & 28.10** & 11.43 & 20.27** & 2.89 & 1.7.1 \\ Letting of own property (702) & -5.74 & -1.1.9* & -8.45 & -11.62* & -4.79 & -2.08 \\ Real estate activities on a feo or contract basis (703) & 9.41 & 1.90 & -1.34 & 3.12 & 1.03 & 5.77 \\ Renting of other machinery and equipment (713) & -5.20* & 0.47 & -1.85 & -2.44 & -5.62* & -15.93* \\ Renting of other machinery and equipment (713) & -5.20* & 0.47 & -1.85 & -2.44 & -5.62* & -19.39* \\ Hardware consultancy (721) & -2.83 & -1.26 & 9.53* & 4.67 & 11.75* & 1.46 \\ Software consultancy (721) & -2.83 & -1.26 & 9.53* & 4.67 & 11.75* & 1.46 \\ Software consultancy (721) & -2.68 & -1.32 & 1.70 & 7.53** & 9.40 & -1.00 \\ Data base activities (724) & -1.55.9** & -5.26* & -6.80^{\circ} & 4.41* & -2.98 & 9.57* \\ Maintenance and repair of office, accounting and computing machinery (725) & -1.13 & -16.2** & -1.32* & -1.03 \\ Consultancy machinery (725) & -1.38.4** & -9.30^{\circ} & -6.78 & -10.65** & -6.91* & -5.04* \\ Other computer related activities (726) & 8.46 & 0.50 & -4.63 & -0.50 & 15.60** & 11.08** \\ Architectural and engineering activities and related technical consultancy. Field activities and related technicies and management consultancy (744) & -2.25* & -2.20 & 15.45** & 8.47* & 1.26 & -1.48 \\ Advertising (744) & -2.05 & -3.48 & -7.35* & -5.17* & -0.63 & -5.32^{\circ} \\ Technical testing and analysis (743) & 8.25 & -2.20 & 15.45** & 8.47* & 1.25 & -1.22** \\ Industrial cleaning (747) & -1.39 & -6.8** & -1.32 & -12.52** \\ Miscellanceous business activities n.e.c (748) & -3.41 & -3.29 & -3.26* & -3.46 & -1.32 & -12.52** \\ Miscellanc$							
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Telecommunications (642)						
Activities auxiliary to financial intermediation, except insurance and pension funding (672)1.38-1.480.524.944.898.65Activities auxillary to insurance and pension funding (672)-2.60-7.04*-2.66-2.831.893.20Real estate activities on a fee or contract basis (703)-9.07**28.10**11.4320.27**2.891.71Letting of own property (702)-5.74-1.11.9*-8.45-11.62*-4.79-2.08Real estate activities on a fee or contract basis (703)-9.411.90-1.343.121.035.77Renting of other machinery and equipment (713)-5.20*-16.48**-12.80*-11.73*-16.28**-19.39*Renting of personal and household goods n.e.c. (714)-19.39**-16.48**-12.80*-11.73*-16.28**-19.39*Hardware consultancy (721)-2.83-1.269.53*4.6711.75**1.46Software consultancy (724)-15.59**-5.26*-6.80*-4.41*-2.989.57*Maintenance and repair of office, accounting and computing machinery (725)-13.84**-9.30*-6.78-10.65**6.91*-5.04*Other consultancy indeling (731)11.23*-3.353.892.792.84-0.30Legal, accounting, book-keeping and auditing activities (744)-2.95**-5.17*0.63-5.32*Consultancy indelings (741)-9.80**1.84-7.35**-5.17*0.63-5.32*Indexiting (741)-2.05*	Other financial intermediation (652)						
except insurance and pension funding (672)1,38-1,480.524.944.898.65Activities auxiliary to insurance and pension funding (672)-2,60-7,04*-2,66-2.831.893.20Real estate activities with own property (701)29,07**28,10**11.4320,27**2.891.71Letting of own property (702)-5,74-11,19*-8.45-11,62*-4,79-2.08Real estate activities on a fee or contract basis (703)-9,411,90-1.343.121.035.77Renting of personal and household goods n.c. (714)-19,39*-1.64**-1.2.80*-11,73*-16.28**-2.85Renting of personal and household goods n.c. (714)-2,83-1,269,53*4.671.1.75**1.46Software consultancy (721)-2,83-1,269,53*4.671.1.75**1.46Data processing (723)0,56-1,321.707.53**9.40-1.00Data base activities (724)-15,59**-5,26*-6,80°-4,41*-2.989,57*Maintenance and repair of office, accounting and computing machinery (725)-13,84**-9,30°-6,7810.65**-6,91*-5,04*Other computer related activities (726)8,460,50-4,63-0,5015,60**19,38**Research and experimental development on natural sciences and engineering (731)11,23*-3,353.892.792.84-1.02Legal, accounting, book-keeping and auditing activities (741) </td <td></td> <td>12,50</td> <td>1,01</td> <td>5.91</td> <td>7.21</td> <td>0.01</td> <td>15.77</td>		12,50	1,01	5.91	7.21	0.01	15.77
		1,38	-1,48	0.52	4.94	4.89	8.65
Real estate activities with own property (701) $29,07^{**}$ $28,10^{**}$ $11.43$ $20.27^{**}$ $2.89$ $1.71$ Letting of own property (702) $5.74$ $11.19^{*}$ $8.45$ $-11.62^{*}$ $4.79$ $-2.08$ Real estate activities on a fee or contract basis (703) $9.41$ $1.90$ $-1.34$ $3.12$ $1.03$ $5.77$ Renting of automobiles (711) $4.21$ $-12.11^{**}$ $4.47$ $-1.17$ $-9.85^{**}$ $-2.85$ Renting of personal and household goods n.e.c. (714) $-19.39^{**}$ $-16.48^{**}$ $-12.80^{**}$ $-11.73^{**}$ $1-6.28^{**}$ Hardware consultancy (721) $-2.83$ $-1.26$ $9.53^{**}$ $4.67$ $11.75^{**}$ $1.46$ Software consultancy and supply (722) $3.44$ $-2.59$ $0.15$ $-1.10$ $2.61$ $1.15$ Data base activities (724) $-15.59^{**}$ $5.26^{\circ}$ $-6.80^{\circ}$ $-4.41^{**}$ $-2.98$ $9.57^{**}$ Other computer related activities (726) $8.46$ $0.50^{\circ}$ $-4.63^{\circ}$ $-0.50^{\circ}$ $15.04^{**}$ Research and experimental development on natural sciences and engineering (731) $11.23^{\circ}$ $-3.35^{**}$ $3.89^{\circ}$ $2.79^{\circ}$ $2.84^{\circ}$ $-0.30^{\circ}$ Legal, accounting, bock-keeping and auditing activities; tax consultancy (742) $-9.80^{**}$ $1.84^{\circ}$ $-7.35^{**}$ $-5.17^{*}$ $-0.63^{\circ}$ $-5.32^{\circ}$ Technical testing and analysis (743) $8.25^{\circ}$ $-2.20^{\circ}$ $15.45^{**}$ $8.46^{\circ}$ $1.22^{**}$ $-7.62^{\circ}$ $-2.42$ <	Activities auxiliary to insurance and pension funding						
		,	,				
Real estate activities on a fee or contract basis (703) $-9,41$ $1,90$ $-1.34$ $3,12$ $1.03$ $5,77$ Renting of automobiles (711) $-4,21$ $-12,11^{**}$ $4.47$ $-1.17$ $-9.85^{**}$ $-2.85$ Renting of other machinery and equipment (713) $-5,20^{\circ}$ $-0.47$ $-1.85$ $-2.44$ $-5.62^{\circ}$ $-15.93^{\circ}$ Hardware consultancy (721) $-2.83$ $-1.26$ $9.53^{**}$ $4.67$ $11.75^{**}$ $1.46$ Software consultancy and supply (722) $3,44$ $-2,59$ $0.15$ $-1.10$ $2.61$ $1.15$ Data base activities (724) $-15,59^{**}$ $-5,26^{\circ}$ $-6.80^{\circ}$ $-4.41^{*}$ $-2.98$ $9.57^{**}$ Maintenance and repair of office, accounting and computing machinery (725) $-13,84^{**}$ $-9.30^{\circ}$ $-6.78$ $-10.65^{**}$ $-6.91^{*}$ $-5.04^{*}$ Other computer related activities (726) $8,46$ $0,50$ $-4.63$ $-0.50$ $15.60^{**}$ $19.38^{**}$ Research and experimental development on natural sciences and engineering (731) $11.23^{\circ}$ $-3.35$ $3.89$ $2.79$ $2.84$ $-0.30$ Legal, accounting, book-keeping and auditing activities; tax consultancy (742) $-9.80^{**}$ $1.84$ $-7.35^{**}$ $5.17^{*}$ $0.63$ $-5.32^{\circ}$ Technical testing and analysis (743) $8.25$ $-2.20$ $15.45^{**}$ $-1.24$ $-1.32$ $-1.22^{**}$ Investigation and security activities (746) $3.60$ $-25.43^{**}$ $0.11$ $-9.93^{**}$ $-1.24^{*}$ </td <td></td> <td>·</td> <td>,</td> <td></td> <td></td> <td></td> <td></td>		·	,				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		,	· · · · · ·				
Renting of other machinery and equipment (713)-5.20°-0.47-11.73-10.65 **Renting of personal and household goods n.e.c. (714) $-19,39^{**}$ $-16,48^{**}$ $-12.80^{**}$ $-11.73^{**}$ $-16.28^{**}$ $-19,39^{**}$ Hardware consultancy (721) $-2.83$ $-1.26$ $9.53^{**}$ $4.67$ $11.75^{**}$ $1.46$ Software consultancy and supply (722) $3.44$ $-2.59$ $0.15$ $-1.10$ $2.61$ $1.15$ Data processing (723) $0.56$ $-1.32$ $1.70$ $7.53^{**}$ $9.40$ $-1.00$ Data base activities (724) $-15,59^{**}$ $-5,26^{\circ}$ $-6.80^{\circ}$ $-4.41^{**}$ $-2.98$ $9.57^{**}$ Maintenance and repair of office, accounting and computer related activities (725) $8.46$ $0.50$ $-4.63$ $-0.50$ $15.60^{**}$ $19.38^{**}$ Research and experimental development on natural sciences and engineering (731) $11.23^{\circ}$ $-3.35$ $3.89$ $2.79$ $2.84$ $-0.30$ Legal, accounting, book keeping and auditing activities; tax consultancy (742) $-9.80^{**}$ $1.84$ $-7.35^{**}$ $7.36^{**}$ $10.65^{**}$ $11.08^{**}$ Architectural and engineering activities and related technical consultancy (742) $-9.80^{**}$ $1.84$ $-7.35^{**}$ $8.47^{*}$ $1.26$ $-1.48$ Advertising (744) $-20.58^{**}$ $-3.48$ $-13.29$ $4.25^{*}$ $-7.62$ $-2.42$ Labour recruitment and provision of personnel (745)							
Renting of personal and household goods n.e.c. (714) $-19,39^{**}$ $-16,48^{**}$ $-12.80^{**}$ $-11.73^{**}$ $-16.28^{**}$ $-19,39^{**}$ Hardware consultancy (721) $-2,83$ $-1.26$ $9.53^{**}$ $4.67$ $11.75^{**}$ $1.46$ Software consultancy and supply (722) $3,44$ $-2.59$ $0.15$ $-1.10$ $2.61$ $1.15$ Data pase activities (724) $0.56$ $-1.32$ $1.70$ $7.53^{**}$ $9.40$ $-1.00$ Data base activities (724) $-15,59^{**}$ $-5.66^{\circ}$ $-6.80^{\circ}$ $-4.41^{**}$ $-2.98$ $9.57^{**}$ Maintenace and repair of office, accounting and computing machinery (725) $-13.84^{**}$ $-9.30^{\circ}$ $-6.78$ $-10.65^{**}$ $-6.91^{**}$ $-5.04^{**}$ Other computer related activities (726) $8,46$ $0.50$ $4.63$ $-0.50$ $15.60^{**}$ $19.38^{**}$ Research and experimental development on natural sciences and engineering (731) $11,23^{\circ}$ $-3.35$ $3.89$ $2.79$ $2.84$ $-0.30$ Legal, accounting, book-keeping and auditing activities; tax consultancy; market research and public opinion polling; business and management consultancy; holdings (741) $-9,80^{**}$ $1.84$ $-7.35^{**}$ $5.17^{*}$ $-0.63$ $-5.32^{\circ}$ Technical testing and analysis (743) $8,25$ $-2.20$ $15.45^{**}$ $8.47^{*}$ $1.26$ $1.48$ Advertising (744) $-20,58^{**}$ $-3.48$ $-13.29$ $4.25^{*}$ $-10.22^{**}$ Investigation and security activities (746) $3.60$				-4.47	-1.17		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $				-1.85			
Software consultancy and supply (722) $3,44$ $-2,59$ $0.15$ $-1.10$ $2.61$ $1.15$ Data processing (723) $0,56$ $-1,32$ $1.70$ $7.53**$ $9.40$ $-1.00$ Data base activities (724) $-15,59**$ $-5,26^\circ$ $-6.80^\circ$ $4.41*$ $-2.98$ $9.57*$ Maintenance and repair of office, accounting and computing machinery (725) $-13,84**$ $-9,30^\circ$ $-6.78$ $-10.65**$ $-6.91*$ $-5.04*$ Other computer related activities (726) $8,46$ $0.50$ $-4.63$ $-0.50$ $15.60**$ $19.38**$ Research and experimental development on natural sciences and engineering (731) $11.23^\circ$ $-3,35$ $3.89$ $2.79$ $2.84$ $-0.30$ Legal, accounting, book-keeping and auditing activities; tax consultancy; market research and public opinion polling; business and management consultancy (742) $-9,80**$ $1.84$ $-7.35**$ $-5.17*$ $-0.63$ $-5.32^\circ$ Technical testing and analysis (743) $8,25$ $-2.20$ $15.45**$ $8.47*$ $1.26$ $1.48$ Advertising (744) $-20,58**$ $-3,48$ $-13.29$ $4.25*$ $-7.62$ $-2.42$ Labour recruitment and provision of personnel (745) $-5,16$ $0.64$ $-4.24$ $-1.32$ $-12.54**$ Industrial cleaning (747) $-1,39$ $-6.86*$ $-3.16$ $-4.40*$ $-1.32$ $-12.52**$ Miscellaneous business activities n.e.c (748) $-3,41$ $-2.35$ $-9.38**$ $-9.60*$ $-8.67*$ $-3.87$ Adjusted R <sup>2</sup> of		-19,39**	-16,48**	-12.80*	-11.73*	-16.28**	-19.39°
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	-	-2,83	-1,26	9.53*	4.67	11.75**	1.46
Data base activities (724) $-15,59**$ $-5,26^{\circ}$ $-6.80^{\circ}$ $-4.41*$ $-2.98$ $9,57*$ Maintenance and repair of office, accounting and computing machinery (725) $-13,84**$ $-9,30^{\circ}$ $-6.78$ $-10.65**$ $-6.91*$ $-5.04*$ Other computer related activities (726) $8,46$ $0,50$ $-4.63$ $-0.50$ $15.60**$ $19.38**$ Research and experimental development on natural sciences and engineering (731) $11,23^{\circ}$ $-3.35$ $3.89$ $2.79$ $2.84$ $-0.30$ Legal, accounting, book-keeping and auditing activities; tax consultancy; market research and public opinion polling; business and management consultancy (742) $-9,80^{**}$ $1.84$ $-7.35^{**}$ $-5.17^{*}$ $-0.63$ $-5.32^{\circ}$ Technical testing and analysis (743) $8,25$ $-2.20$ $15.45^{**}$ $8.47^{*}$ $1.26$ $1.48$ Advertising (744) $-20,58^{**}$ $-3.48$ $-11.35$ $-0.52$ $-0.12$ Investigation and security activities (746) $3,60$ $-25.43^{**}$ $0.11$ $-9.93^{**}$ $-12.54^{**}$ $-10.22^{**}$ Industrial cleaning (747) $-1,39$ $-6.86^{*}$ $-3.16$ $-4.40^{*}$ $-1.32$ $-12.52^{**}$ Miscellaneous business activities n.e.c (748) $-3.41$ $2.2,35$ $-9.38^{**}$ $9.90^{**}$ $-3.87$ Adjusted R <sup>2</sup> of wage regression $0.64$ $0.63$ $0.65$ $0.61$ $0.64$ $0.61$ Investigation and security activities n.e.c (748) $-3.41$ $2.3,5$ $-9.38^{**}$ $12.54$		3,44	-2,59	0.15	-1.10	2.61	1.15
Maintenance and repair of office, accounting and computing machinery (725) $-13,84**$ $-9,30^{\circ}$ $-6.78$ $-10.65**$ $-6.91*$ $-5.04*$ Other computer related activities (726) $8,46$ $0,50$ $-4.63$ $-0.50$ $15.60**$ $19.38**$ Research and experimental development on natural sciences and engineering (731) $11,23^{\circ}$ $-3,35$ $3.89$ $2.79$ $2.84$ $-0.30$ Legal, accounting, book-keeping and auditing activities; tax consultancy; market research and public opinion polling; business and management consultancy (742) $-9,80**$ $1,84$ $-7.35**$ $-5.17*$ $-0.63$ $-5.32^{\circ}$ Architectural and engineering activities and related technical testing and analysis (743) $8,25$ $-2.20$ $15.45**$ $8.47*$ $1.26$ $1.48$ Advertising (744) $-20,58**$ $-3,48$ $-13.29$ $4.25*$ $-7.62$ $-2.42$ Labour recruitment and provision of personnel (745) $-5,16$ $0,64$ $4.24$ $-1.32$ $-12.54*$ $-10.22**$ Industrial cleaning (747) $-1,39$ $-6.86*$ $-3.16$ $-4.40*$ $-1.32$ $-12.52**$ Miscellaneous business activities n.e.c (748) $-3,41$ $-2.35$ $-9.38**$ $9.60*$ $-8.67*$ $-3.87$ Adjusted R <sup>2</sup> of wage regression $0.64$ $0.63$ $0.65$ $0.61$ $0.64$ $0.60$ F-test relative to the estimated wage regression $15,743.1**$ $101.2**$ $3,465.4**$ $91.12**$ $784.2**$ $1.042.7**$ Per cent significant industry wage differen		0,56	-1,32	1.70	7.53**	9.40	-1.00
computing machinery (725) $-13,84**$ $-9,30^{\circ}$ $-6.78$ $-10.65**$ $-6.91*$ $-5.04*$ Other computer related activities (726) $8,46$ $0,50$ $-4.63$ $-0.50$ $15.60**$ $19.38**$ Research and experimental development on natural sciences and engineering (731) $11,23^{\circ}$ $-3,35$ $3.89$ $2.79$ $2.84$ $-0.30$ Legal, accounting, book-keeping and auditing activities; tax consultancy; market research and public opinion polling; business and management consultancy; holdings (741) $4,98^{\circ}$ $5,07$ $7.25**$ $7.36*$ $10.65**$ $11.08**$ Architectural and engineering activities and related technical consultancy (742) $-9,80**$ $1,84$ $-7.35**$ $-5.17*$ $-0.63$ $-5.32^{\circ}$ Technical testing and analysis (743) $8,25$ $-2.20$ $15.45**$ $8.47*$ $1.26$ $1.48$ Advertising (744) $-20.58**$ $-3,48$ $-13.29$ $4.25*$ $-7.62$ $-2.42$ Labour recruitment and provision of personnel (745) $-5,16$ $0,64$ $-4.24$ $-1.32$ $-12.54*$ Miscellaneous business activities n.e.c (748) $-3,41$ $-2,35$ $-9.38**$ $-9.60*$ $-3.67*$ $-3.87$ Adjusted R <sup>2</sup> of wage regression $0.64$ $0.63$ $0.65$ $0.61$ $0.64$ $0.63$ F-test relative to the sectoral dummies $36.08**$ $34.63**$ $37.75**$ $12.69**$ $33.46$		-15,59**	-5,26°	-6.80°	-4.41*	-2.98	9.57*
Other computer related activities (726) $8,46$ $0,50$ $-4.63$ $-0.50$ $15.60**$ $19.38**$ Research and experimental development on natural sciences and engineering (731) $11,23^{\circ}$ $-3,35$ $3.89$ $2.79$ $2.84$ $-0.30$ Legal, accounting, book-keeping and auditing activities; tax consultancy; market research and public opinion polling; business and management consultancy; holdings (741) $4,98^{\circ}$ $5,07$ $7.25^{**}$ $7.36^{**}$ $10.65^{**}$ $11.08^{**}$ Architectural and engineering activities and related technical consultancy (742) $-9,80^{**}$ $1,84$ $-7.35^{**}$ $-5.17^{*}$ $-0.63$ $-5.32^{\circ}$ Technical testing and analysis (743) $8,25$ $-2,20$ $15.45^{**}$ $8.47^{*}$ $1.26$ $1.48$ Advertising (744) $-20,58^{**}$ $-3,48$ $-13.29$ $4.25^{*}$ $-7.62$ $-2.42$ Labour recruitment and provision of personnel (745) $-5,16$ $0,64$ $-4.24$ $-1.35$ $-0.52$ $-0.12$ Investigation and security activities $(746)$ $3,60$ $-25,43^{**}$ $0.11$ $-9.93^{**}$ $-1.254^{**}$ $-10.22^{**}$ Industrial cleaning (747) $-1,39$ $-6,86^{*}$ $-3.16$ $-4.40^{*}$ $-1.32$ $-12.52^{**}$ Miscellaneous business activities n.e.c (748) $-3,41$ $-2.35$ $-9.38^{**}$ $-9.60^{**}$ $-3.87$ Adjusted R <sup>2</sup> of wage regression $0.64$ $0.63$ $0.65$ $0.61$ $0.64$ $0.60$ F-test relative to the sectoral dummies $36.08^{**}$		12.0455	0.000	< <b>-</b> 0	10 6544	6.01.1	<b>5</b> 0 4 4
Research and experimental development on natural sciences and engineering (731)11,23°-3,353.892.792.84-0.30Legal, accounting, book-keeping and auditing activities; tax consultancy; market research and public opinion polling; business and management consultancy; holdings (741)4,98° $5,07$ $7.25^{**}$ $7.36^{**}$ $10.65^{**}$ $11.08^{**}$ Architectural and engineering activities and related technical consultancy (742) $-9,80^{**}$ $1.84$ $-7.35^{**}$ $-5.17^{**}$ $-0.63$ $-5.32^{\circ}$ Technical testing and analysis (743) $8,25$ $-2,20$ $15.45^{**}$ $8.47^{**}$ $1.26$ $1.48$ Advertising (744) $-20,58^{**}$ $-3,48$ $-13.29$ $4.25^{*}$ $-7.62$ $-2.42$ Labour recruitment and provision of personnel (745) $-5,16$ $0,64$ $4.24$ $-1.35$ $-0.52$ $-0.12$ Investigation and security activities $(746)$ $3,60$ $-25,43^{**}$ $0.11$ $-9.93^{**}$ $-1.25^{**}$ $-1.25^{**}$ Miscellaneous business activities n.e.c (748) $-3,41$ $-2.35$ $-9.38^{**}$ $-9.60^{*}$ $-8.67^{*}$ $-3.87$ Adjusted R <sup>2</sup> of wage regression $0.64$ $0.63$ $0.65$ $0.61$ $0.64$ $0.60$ F-test relative to the sectoral dummies $36.08^{**}$ $34.63^{**}$ $37.75^{**}$ $12.69^{**}$ $33.46^{**}$ $19.13^{**}$ Per cent significant industry wage differentials $54.97$ $62.99$ $80.36$ <t< td=""><td></td><td>,</td><td></td><td></td><td></td><td></td><td></td></t<>		,					
sciences and engineering (731)11,23°-3,353.892.792.84-0.30Legal, accounting, book-keeping and auditing activities; tax consultancy; market research and public opinion polling; business and management consultancy; holdings (741)4,980 **7,25**7.36*10.65**11.08**Architectural and engineering activities and related technical consultancy (742)-9,80**1,84-7.35**-5.17*-0.63-5.32°Technical testing and analysis (743)8,25-2,2015.45**8.47*1.261.48Advertising (744)-20,58**-3,48-13.294.25*-7.62-2.42Labour recruitment and provision of personnel (745)-5,160,64-4.24-1.35-0.52-0.12Investigation and security activities n.e.c (748)-3,41-2,35-9,38*-9,60*-8,67*-3,87Adjusted R <sup>2</sup> of wage regression0,640,640,64-0,610,64-0,62-8,67*-3,87Adjusted R	-	8,46	0,50	-4.63	-0.50	15.60**	19.38**
Legal, accounting, book-keeping and auditing activities; tax consultancy; market research and public opinion polling; business and management consultancy; holdings (741) $4,98^{\circ}$ $5.07$ $7.25^{**}$ $7.36^{**}$ $10.65^{**}$ $11.08^{**}$ Architectural and engineering activities and related technical consultancy (742) $-9,80^{**}$ $1.84$ $-7.35^{**}$ $-5.17^{*}$ $-0.63$ $-5.32^{\circ}$ Technical testing and analysis (743) $8,25$ $-2.20$ $15.45^{**}$ $8.47^{**}$ $1.26$ $1.48$ Advertising (744) $-20,58^{**}$ $-3.48$ $-13.29$ $4.25^{**}$ $-7.62$ $-2.42$ Labour recruitment and provision of personnel (745) $-5,16$ $0.64$ $-4.24$ $-1.35$ $-0.52$ $-0.12$ Investigation and security activities (746) $3,60$ $-25,43^{**}$ $0.11$ $-9.93^{**}$ $-12.54^{**}$ $-10.22^{**}$ Industrial cleaning (747) $-1.39$ $-6.86^{**}$ $-3.16$ $-4.40^{**}$ $-1.32$ $-12.52^{**}$ Miscellaneous business activities n.e.c (748) $-3.41$ $-2.35$ $-9.38^{**}$ $-9.60^{**}$ $-8.67^{**}$ $-3.87$ Adjusted R <sup>2</sup> of wage regression $0.64$ $0.63$ $0.65$ $0.61$ $0.64$ $0.60$ F-test relative to the sectoral dummies $36.08^{**}$ $34.63^{**}$ $37.75^{**}$ $12.69^{**}$ $33.46^{**}$ $19.13^{**}$ Per cent significant industry wage differentials $54.97$ $62.39$ $80.36$ $75.53$ $113.54$ $74.34$ Weighted adjusted standard deviation (WASD)		11 23°	-3 35	3 89	2 79	2 84	-0.30
activities; tax consultancy; market research and public opinion polling; business and management consultancy; holdings (741) $4,98^{\circ}$ $5,07$ $7.25^{**}$ $7.36^{*}$ $10.65^{**}$ $11.08^{**}$ Architectural and engineering activities and related technical consultancy (742) $-9,80^{**}$ $1.84$ $-7.35^{**}$ $-5.17^{*}$ $-0.63$ $-5.32^{\circ}$ Technical testing and analysis (743) $8,25$ $-2,20$ $15.45^{**}$ $8.47^{*}$ $1.26$ $1.48$ Advertising (744) $-20,58^{**}$ $-3,48$ $-13.29$ $4.25^{*}$ $-7.62$ $-2.42$ Labour recruitment and provision of personnel (745) $-5,16$ $0,64$ $-4.24$ $-1.35$ $-0.52$ $-0.12$ Investigation and security activities (746) $3,60$ $-25,43^{**}$ $0.11$ $-9.93^{**}$ $-12.54^{*}$ $-10.22^{**}$ Industrial cleaning (747) $-1,39$ $-6,86^{*}$ $-3.16$ $-4.40^{*}$ $-1.32$ $-12.52^{**}$ Miscellaneous business activities n.e.c (748) $-3,41$ $-2,35$ $-9.38^{**}$ $-9.60^{*}$ $8.67^{*}$ $-3.87$ Adjusted R <sup>2</sup> of wage regression $0.64$ $0.63$ $0.65$ $0.61$ $0.64$ $0.60$ F-test relative to the estimated wage regression $15,743,1^{**}$ $101.2^{**}$ $3,465,4^{**}$ $911.2^{**}$ $784.2^{**}$ $1,042.7^{**}$ F-test relative to the sectoral dummies $36.08^{**}$ $34.63^{**}$ $37.75^{**}$ $12.69^{**}$ $3.46^{**}$ $19.13^{**}$ Per cent significant industry wage differentials <t< td=""><td></td><td>11,25</td><td>5,55</td><td>5.07</td><td>2.19</td><td>2.01</td><td>0.50</td></t<>		11,25	5,55	5.07	2.19	2.01	0.50
consultancy; holdings (741) $4,98^{\circ}$ $5,07$ $7.25^{**}$ $7.36^{*}$ $10.65^{**}$ $11.08^{**}$ Architectural and engineering activities and related $-9,80^{**}$ $1,84$ $-7.35^{**}$ $-5.17^{*}$ $-0.63$ $-5.32^{\circ}$ Technical testing and analysis (743) $8,25$ $-2,20$ $15.45^{**}$ $8.47^{*}$ $1.26$ $1.48$ Advertising (744) $-20,58^{**}$ $-3,48$ $-13.29$ $4.25^{*}$ $-7.62$ $-2.42$ Labour recruitment and provision of personnel (745) $-5,16$ $0,64$ $-4.24$ $-1.35$ $-0.52$ $-0.12$ Investigation and security activities (746) $3,60$ $-25,43^{**}$ $0.11$ $-9.93^{**}$ $-12.54^{**}$ $-10.22^{**}$ Industrial cleaning (747) $-1,39$ $-6,86^{*}$ $-3.16$ $-4.40^{*}$ $-1.32$ $-12.52^{**}$ Miscellaneous business activities n.e.c (748) $-3,41$ $-2,35$ $-9.38^{**}$ $-9.60^{*}$ $-8.67^{*}$ $-3.87$ Adjusted R <sup>2</sup> of wage regression $0.64$ $0.63$ $0.65$ $0.61$ $0.64$ $0.60$ F-test relative to the estimated wage regression $15,743.1^{**}$ $101.2^{**}$ $3,485.4^{**}$ $911.2^{**}$ $784.2^{**}$ $1,042.7^{**}$ F-test relative to the sectoral dummies $36.08^{**}$ $34.63^{**}$ $37.75^{**}$ $12.69^{**}$ $33.46^{**}$ $19.13^{**}$ Per cent significant industry wage differentialsthe $40.4$ $48.7$ $47.7$ $53.0$ $51.7$ $50.3$ $10\%$ level(61/151)							
Architectural and engineering activities and related technical consultancy (742) $-9,80^{**}$ $1,84$ $-7.35^{**}$ $-5.17^{*}$ $-0.63$ $-5.32^{\circ}$ Technical testing and analysis (743) $8,25$ $-2,20$ $15.45^{**}$ $8.47^{*}$ $1.26$ $1.48$ Advertising (744) $-20,58^{**}$ $-3,48$ $-13.29$ $4.25^{*}$ $-7.62$ $-2.42$ Labour recruitment and provision of personnel (745)Investigation and security activities (746) $3,60$ $-25,43^{**}$ $0.11$ $-9.93^{**}$ $-12.54^{*}$ $-10.22^{**}$ Industrial cleaning (747) $-1,39$ $-6,86^{*}$ $-3.16$ $-4.40^{*}$ $-1.32$ $-12.52^{**}$ Miscellaneous business activities n.e.c (748) $-3,41$ $-2,35$ $-9.38^{**}$ $-9.60^{*}$ $-8.67^{*}$ $-3.87$ Adjusted R <sup>2</sup> of wage regression $0.64$ $0.63$ $0.65$ $0.61$ $0.64$ $0.60$ F-test relative to the estimated wage regression $15,743.1^{**}$ $101.2^{**}$ $3,46^{**}$ $911.2^{**}$ $784.2^{**}$ $1,042.7^{**}$ F-test relative to the sectoral dummies $36.08^{**}$ $34.63^{**}$ $37.75^{**}$ $12.69^{**}$ $33.46^{**}$ $19.13^{**}$ Per cent significant industry wage differentials at the $40.4$ $48.7$ $47.7$ $53.0$ $51.7$ $50.3$ 10% level $(61/151)$ $(73/150)$ $(72/151)$ $(80$							
technical consultancy (742) $-9,80^{**}$ $1,84$ $-7.35^{**}$ $-5.17^{*}$ $-0.63$ $-5.32^{\circ}$ Technical testing and analysis (743) $8,25$ $-2,20$ $15.45^{**}$ $8.47^{*}$ $1.26$ $1.48$ Advertising (744) $-20,58^{**}$ $-3,48$ $-13.29$ $4.25^{*}$ $-7.62$ $-2.42$ Labour recruitment and provision of personnel (745) $-5,16$ $0,64$ $-4.24$ $-1.35$ $-0.52$ $-0.12$ Investigation and security activities (746) $3,60$ $-25,43^{**}$ $0.11$ $-9.93^{**}$ $-12.54^{**}$ $-10.22^{**}$ Industrial cleaning (747) $-1,39$ $-6,86^{*}$ $-3.16$ $-4.40^{*}$ $-1.32$ $-12.52^{**}$ Miscellaneous business activities n.e.c (748) $-3,41$ $-2,35$ $-9.38^{**}$ $-9.60^{**}$ $-8.67^{**}$ $-3.87$ Adjusted R <sup>2</sup> of wage regression $0.64$ $0.63$ $0.65$ $0.61$ $0.64$ $0.60$ F-test relative to the estimated wage regression $15,743.1^{**}$ $101.2^{**}$ $3,485.4^{**}$ $911.2^{**}$ $784.2^{**}$ $1,042.7^{**}$ Per cent significant industry wage differentials at the $10\%$ level $40.4$ $48.7$ $47.7$ $53.0$ $51.7$ $50.3$ $10\%$ level $(61/151)$ $(73/150)$ $(72/151)$ $(80/151)$ $(76/151)$ Range of industry wage differentials $54.97$ $62.39$ $80.36$ $75.53$ $113.54$ $74.34$ Weighted adjusted standard deviation (WASD) of the inter-industry differentials $0.079$ $0.08$		4,98°	5,07	7.25**	7.36*	10.65**	11.08**
Technical testing and analysis (743) $8,25$ $-2,20$ $15.45^{**}$ $8.47^*$ $1.26$ $1.48$ Advertising (744) $-20,58^{**}$ $-3,48$ $-13.29$ $4.25^*$ $-7.62$ $-2.42$ Labour recruitment and provision of personnel (745) $-5,16$ $0,64$ $-4.24$ $-1.35$ $-0.52$ $-0.12$ Investigation and security activities (746) $3,60$ $-25,43^{**}$ $0.11$ $-9.93^{**}$ $-12.54^*$ $-10.22^{**}$ Industrial cleaning (747) $-1,39$ $-6,86^*$ $-3.16$ $-4.40^*$ $-1.32$ $-12.52^{**}$ Miscellaneous business activities n.e.c (748) $-3,41$ $-2,35$ $-9.38^{**}$ $-9.60^*$ $-8.67^*$ $-3.87$ Adjusted R <sup>2</sup> of wage regression $0.64$ $0.63$ $0.65$ $0.61$ $0.64$ $0.60$ F-test relative to the estimated wage regression $15,743.1^{**}$ $101.2^{**}$ $3,485.4^{**}$ $911.2^{**}$ $784.2^{**}$ $1,042.7^{**}$ F-test relative to the sectoral dummies $36.08^{**}$ $34.63^{**}$ $37.75^{**}$ $12.69^{**}$ $33.46^{**}$ $19.13^{**}$ Per cent significant industry wage differentials at the 10% level $40.4$ $48.7$ $47.7$ $53.0$ $51.7$ $50.3$ Range of industry wage differentials $54.97$ $62.39$ $80.36$ $75.53$ $113.54$ $74.34$ Weighted adjusted standard deviation (WASD) of the inter-industry differentials $0.079$ $0.085$ $0.084$ $0.072$ $0.076$ $0.077$ Number of industries $151$		0 80**	1.84	7 35**	5 17*	0.63	5 320
Advertising (744) $-20,58**$ $-3,48$ $-13.29$ $4.25*$ $-7.62$ $-2.42$ Labour recruitment and provision of personnel (745) $-5,16$ $0,64$ $-4.24$ $-1.35$ $-0.52$ $-0.12$ Investigation and security activities (746) $3,60$ $-25,43**$ $0.11$ $-9.93**$ $-12.54*$ $-10.22**$ Industrial cleaning (747) $-1,39$ $-6,86*$ $-3.16$ $-4.40*$ $-1.32$ $-12.52**$ Miscellaneous business activities n.e. (748) $-3,41$ $-2,35$ $-9.38**$ $-9.60*$ $-8.67*$ $-3.87$ Adjusted R <sup>2</sup> of wage regression $0.64$ $0.63$ $0.65$ $0.61$ $0.64$ $0.60$ F-test relative to the estimated wage regression $15,743.1**$ $101.2**$ $3,485.4**$ $911.2**$ $784.2**$ $1,042.7**$ F-test relative to the sectoral dummies $36.08**$ $34.63**$ $37.75**$ $12.69**$ $33.46**$ $19.13**$ Per cent significant industry wage differentials at the $40.4$ $48.7$ $47.7$ $53.0$ $51.7$ $50.3$ $10\%$ level $(61/151)$ $(73/150)$ $(72/151)$ $(80/151)$ $(78/151)$ $(76/151)$ Range of industry wage differentials $54.97$ $62.39$ $80.36$ $75.53$ $113.54$ $74.34$ Weighted adjusted standard deviation (WASD) of the inter-industry differentials $0.079$ $0.085$ $0.084$ $0.072$ $0.076$ $0.077$ Number of industries $151$ $150$ $151$ $151$ $151$ $151$ $151$ <							
Labour recruitment and provision of personnel (745) $-5,16$ $0,64$ $-4.24$ $-1.35$ $-0.52$ $-0.12$ Investigation and security activities (746) $3,60$ $-25,43**$ $0.11$ $-9.93**$ $-12.54*$ $-10.22**$ Industrial cleaning (747) $-1,39$ $-6,86*$ $-3.16$ $-4.40*$ $-1.32$ $-12.52**$ Miscellaneous business activities n.e.c (748) $-3,41$ $-2,35$ $-9.38**$ $-9.60*$ $-8.67*$ $-3.87$ Adjusted R <sup>2</sup> of wage regression $0.64$ $0.63$ $0.65$ $0.61$ $0.64$ $0.60$ F-test relative to the estimated wage regression $15,743.1**$ $101.2**$ $3,485.4**$ $911.2**$ $784.2**$ $1,042.7**$ F-test relative to the sectoral dummies $36.08**$ $34.63**$ $37.75**$ $12.69**$ $33.46**$ $19.13**$ Per cent significant industry wage differentials at the $40.4$ $48.7$ $47.7$ $53.0$ $51.7$ $50.3$ $10\%$ level $(61/151)$ $(73/150)$ $(72/151)$ $(80/151)$ $(78/151)$ $(76/151)$ Range of industry wage differentials $54.97$ $62.39$ $80.36$ $75.53$ $113.54$ $74.34$ Weighted adjusted standard deviation (WASD) of the inter-industry differentials $0.079$ $0.085$ $0.084$ $0.072$ $0.076$ $0.077$ Number of industries $151$ $151$ $151$ $151$ $151$ $151$ $151$ $151$							
Investigation and security activities (746) $3,60$ $-25,43**$ $0.11$ $-9.93**$ $-12.54*$ $-10.22**$ Industrial cleaning (747) $-1,39$ $-6,86*$ $-3.16$ $-4.40*$ $-1.32$ $-12.52**$ Miscellaneous business activities n.e.c (748) $-3,41$ $-2,35$ $-9.38**$ $-9.60*$ $-8.67*$ $-3.87$ Adjusted R <sup>2</sup> of wage regression $0.64$ $0.63$ $0.65$ $0.61$ $0.64$ $0.60$ F-test relative to the estimated wage regression $15,743.1**$ $101.2**$ $3,485.4**$ $911.2**$ $784.2**$ $1,042.7**$ F-test relative to the sectoral dummies $36.08**$ $34.63**$ $37.75**$ $12.69**$ $33.46**$ $19.13**$ Per cent significant industry wage differentials at the $40.4$ $48.7$ $47.7$ $53.0$ $51.7$ $50.3$ $10\%$ level $(61/151)$ $(73/150)$ $(72/151)$ $(80/151)$ $(76/151)$ Range of industry wage differentials $54.97$ $62.39$ $80.36$ $75.53$ $113.54$ $74.34$ Weighted adjusted standard deviation (WASD) of the inter-industry differentials $0.079$ $0.085$ $0.084$ $0.072$ $0.076$ $0.077$ Number of industries $151$ $150$ $151$ $151$ $151$ $151$ $151$ $151$							
Industrial cleaning (747) $-1,39$ $-6,86^{*}$ $-3.16$ $-4.40^{*}$ $-1.32$ $-12.52^{**}$ Miscellaneous business activities n.e.c (748) $-3,41$ $-2,35$ $-9.38^{**}$ $-9.60^{*}$ $-8.67^{*}$ $-3.87$ Adjusted R <sup>2</sup> of wage regression $0.64$ $0.63$ $0.65$ $0.61$ $0.64$ $0.60$ F-test relative to the estimated wage regression $15,743.1^{**}$ $101.2^{**}$ $3,485.4^{**}$ $911.2^{**}$ $784.2^{**}$ $1,042.7^{**}$ F-test relative to the sectoral dummies $36.08^{**}$ $34.63^{**}$ $37.75^{**}$ $12.69^{**}$ $33.46^{**}$ $19.13^{**}$ Per cent significant industry wage differentials at the $40.4$ $48.7$ $47.7$ $53.0$ $51.7$ $50.3$ $10\%$ level(61/151)(73/150)(72/151)(80/151)(78/151)(76/151)Range of industry wage differentials $54.97$ $62.39$ $80.36$ $75.53$ $113.54$ $74.34$ Weighted adjusted standard deviation (WASD) of the inter-industry differentials $0.079$ $0.085$ $0.084$ $0.072$ $0.076$ $0.077$ Number of industries $151$ $150$ $151$ $151$ $151$ $151$ $151$ $151$							
Miscellaneous business activities n.e.c (748) $-3,41$ $-2,35$ $-9.38**$ $-9.60*$ $-8.67*$ $-3.87$ Adjusted R <sup>2</sup> of wage regression0.640.630.650.610.640.60F-test relative to the estimated wage regression15,743.1**101.2** $3,485.4**$ 911.2** $784.2**$ $1,042.7**$ F-test relative to the sectoral dummies $36.08**$ $34.63**$ $37.75**$ $12.69**$ $33.46**$ $19.13**$ Per cent significant industry wage differentials at the $40.4$ $48.7$ $47.7$ $53.0$ $51.7$ $50.3$ $10\%$ level(61/151)(73/150)(72/151)(80/151)(78/151)(76/151)Range of industry wage differentials $54.97$ $62.39$ $80.36$ $75.53$ $113.54$ $74.34$ Weighted adjusted standard deviation (WASD) of the inter-industry differentials $0.079$ $0.085$ $0.084$ $0.072$ $0.076$ $0.077$ Number of industries $151$ $150$ $151$ $151$ $151$ $151$ $151$ $151$							
Adjusted $R^2$ of wage regression0.640.630.650.610.640.60F-test relative to the estimated wage regression15,743.1**101.2**3,485.4**911.2**784.2**1,042.7**F-test relative to the sectoral dummies36.08**34.63**37.75**12.69**33.46**19.13**Per cent significant industry wage differentials at the40.448.747.753.051.750.310% level(61/151)(73/150)(72/151)(80/151)(78/151)(76/151)Range of industry wage differentials54.9762.3980.3675.53113.5474.34Weighted adjusted standard deviation (WASD) of the inter-industry differentials0.0790.0850.0840.0720.0760.077Number of industries151151151151151151151151							
F-test relative to the estimated wage regression $15,743.1**$ $101.2**$ $3,485.4**$ $911.2**$ $784.2**$ $1,042.7**$ F-test relative to the sectoral dummies $36.08**$ $34.63**$ $37.75**$ $12.69**$ $33.46**$ $19.13**$ Per cent significant industry wage differentials at the $40.4$ $48.7$ $47.7$ $53.0$ $51.7$ $50.3$ $10\%$ level $(61/151)$ $(73/150)$ $(72/151)$ $(80/151)$ $(78/151)$ $(76/151)$ Range of industry wage differentials $54.97$ $62.39$ $80.36$ $75.53$ $113.54$ $74.34$ Weighted adjusted standard deviation (WASD) of the inter-industry differentials $0.079$ $0.085$ $0.084$ $0.072$ $0.076$ $0.077$ Number of industries $151$ $150$ $151$ $151$ $151$ $151$ $151$ $151$							
F-test relative to the sectoral dummies $36.08**$ $34.63**$ $37.75**$ $12.69**$ $33.46**$ $19.13**$ Per cent significant industry wage differentials at the $40.4$ $48.7$ $47.7$ $53.0$ $51.7$ $50.3$ $10\%$ level $(61/151)$ $(73/150)$ $(72/151)$ $(80/151)$ $(78/151)$ $(76/151)$ Range of industry wage differentials $54.97$ $62.39$ $80.36$ $75.53$ $113.54$ $74.34$ Weighted adjusted standard deviation (WASD) of the inter-industry differentials $0.079$ $0.085$ $0.084$ $0.072$ $0.076$ $0.077$ Number of industries $151$ $150$ $151$ $151$ $151$ $151$ $151$							
Per cent significant industry wage differentials at the 10.4       40.4       48.7       47.7       53.0       51.7       50.3         10% level       (61/151)       (73/150)       (72/151)       (80/151)       (78/151)       (76/151)         Range of industry wage differentials       54.97       62.39       80.36       75.53       113.54       74.34         Weighted adjusted standard deviation (WASD) of the inter-industry differentials       0.079       0.085       0.084       0.072       0.076       0.077         Number of industries       151       150       151       151       151       151							
10% level(61/151)(73/150)(72/151)(80/151)(78/151)(76/151)Range of industry wage differentials54.9762.3980.3675.53113.5474.34Weighted adjusted standard deviation (WASD) of the inter-industry differentials0.0790.0850.0840.0720.0760.077Number of industries151150151151151151151							
Range of industry wage differentials54.9762.3980.3675.53113.5474.34Weighted adjusted standard deviation (WASD) of the inter-industry differentials0.0790.0850.0840.0720.0760.077Number of industries151150151151151151151							
Weighted adjusted standard deviation (WASD) of the inter-industry differentials0.0790.0850.0840.0720.0760.077Number of industries151150151151151151							
the inter-industry differentials         0.079         0.085         0.084         0.072         0.076         0.077           Number of industries         151         150         151         151         151         151		2 112 1	02.07	50.50	. 5.55	110101	
		0.079	0.085	0.084	0.072	0.076	0.077
Number of observations         37,574         49,136         51,680         52,808         50,720         56,310		151	150	151	151	151	151
	Number of observations	37,574	49,136	<u>51,6</u> 80	52,808	50,720	56,310

*Notes*: Standard errors of the industry wage differentials are computed according to Zanchi (1992). \*\*/\*/°: industry wage differential significant at the 1, 5 and 10%, respectively.

(SES-SE	ss data)				
Period:	2000	2001	2002	2003	2004
2001	0.788** /				
	0.646**				
2002	0.849**/	0.912**/			
	0.736**	0.831**			
2003	0.784**/	0.904**/	0.911**/		
	0.621**	0.797**	0.830**		
2004	0.807**/	0.893**/	0.913**/	0.935**/	
	0.713**	0.748**	0.848**	0.814**	
2005	0.702**/	0.865**/	0.892**/	0.875**/	0.848**/
	0.517**	0.756*	0.758**	0.793**	0.810**

Appendix 5: Pearson / Spearman Correlation Coefficients Between Inter-Industry Wage Differentials After Controlling for Rent-Sharing, NACE two-digit (n=42), (SES-SBS data)

Notes: Computation based on the inter-industry wage differentials reported in Table 10.

n stands for the number of sectors. \*\*/\*/°: coefficient significant at the 1, 5 and 10 per cent, respectively.

Appendix 6: Pearson / Spearman Correlation Coefficients Between Inter-Industry Wage Differentials After Controlling for Rent-Sharing, NACE three-digit (n=151), (SES-SBS data)

(252-25	os uata)				
Period:	2000	2001	2002	2003	2004
2001	0.706** /				
	0.634**				
2002	0.740**/	0.774**/			
	0.695**	0.695**			
2003	0.672**/	0.760**/	0.826**/		
	0.629**	0.709**	0.775**		
2004	0.649**/	0.734**/	0.735**/	0.799** /	
	0.635**	0.699**	0.690**	0.748**	
2005	0.564**/	0.697**/	0.696**/	0.773**/	0.780** /
	0.533**	0.667*	0.671**	0.763**	0.748**

Notes: Computation based on the inter-industry wage differentials reported in Appendix 4.

n stands for the number of sectors. \*\*/\*/°: coefficient significant at the 1, 5 and 10 per cent, respectively.

$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	wage D	merentiais, 1	ACE two-ulg	11 (11 <b>—4</b> 4), (S	ES-SDS uata	1)
0.718**         2002       0.898** /       0.899** /         0.812**       0.787**         2003       0.817** /       0.932** /       0.901** /         0.695**       0.866**       0.846**         2004       0.855** /       0.926** /       0.918** /         0.741**       0.890**       0.843**       0.894**         2005       0.777** /       0.889** /       0.850** /       0.892** /       0.855** /	Period:	2000	2001	2002	2003	2004
2002       0.898** / 0.899** / 0.812** 0.787**         2003       0.812** 0.787**         2004       0.855** 0.866** 0.846**         2004       0.855** 0.926** / 0.918** / 0.948** / 0.741** 0.890** 0.843** 0.894**         2005       0.777** / 0.889** / 0.850** / 0.892** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.855** / 0.8	2001	0.839**/				
2002         0.812**         0.787**           2003         0.817**/         0.932**/         0.901**/           0.695**         0.866**         0.846**           2004         0.855**/         0.926**/         0.918**/         0.948**/           0.741**         0.890**         0.843**         0.894**           2005         0.777**/         0.889**/         0.850**/         0.892**/         0.855**/		0.718**				
2003         0.817**/         0.932**/         0.901**/           0.695**         0.866**         0.846**           2004         0.855**/         0.926**/         0.918**/         0.948**/           0.741**         0.890**         0.843**         0.894**           2005         0.777**/         0.889**/         0.850**/         0.892**/         0.855**/	2002	0.898** /	0.899** /			
2004         0.695**         0.866**         0.846**           2004         0.855**/         0.926**/         0.918**/         0.948**/           0.741**         0.890**         0.843**         0.894**           2005         0.777**/         0.889**/         0.850**/         0.892**/         0.855**/		0.812**	0.787**			
2004         0.855**/         0.926**/         0.918**/         0.948**/           0.741**         0.890**         0.843**         0.894**           2005         0.777**/         0.889**/         0.850**/         0.892**/         0.855**/	2003	0.817**/	0.932**/	0.901**/		
0.741**         0.890**         0.843**         0.894**           2005         0.777**/         0.889**/         0.850**/         0.892**/         0.855**/		0.695**	0.866**	0.846**		
2005 0.777**/ 0.889**/ 0.850**/ 0.892**/ 0.855**/	2004	0.855**/	0.926**/	0.918**/	0.948**/	
		0.741**	0.890**	0.843**	0.894**	
0.632** 0.821* 0.747** 0.847** 0.839**	2005	0.777**/	0.889** /	0.850**/	0.892**/	0.855**/
		0.632**	0.821*	0.747**	0.847**	0.839**

Appendix 7: Pearson / Spearman Correlation Coefficients Between Inter-Industry Wage Differentials, NACE two-digit (n=42), (SES-SBS data)

Notes: Computation based on the inter-industry wage differentials reported in Appendix 9. n stands for the number of sectors. \*\*/\*/°: coefficient significant at the 1, 5 and 10 per cent, respectively.

Appendix 8: Pearson / Spearman Correlation Coefficients Between Inter-Industry Wage Differentials, NACE three-digit (n=151), (SES-SBS data)

		ITOH III OU			aca)
Period:	2000	2001	2002	2003	2004
2001	0.818** / 0.729**				
2002	0.729*** /	0.841**/			
2003	0.763** 0.758**/	0.766** 0.824**/	0.857**/		
2005	0.741**	0.766**	0.826**		
2004	0.739** / 0.700**	0.811** / 0.760**	0.790** / 0.738**	0.853** / 0.784**	
2005	0.668** /	0.771**/	0.750**/	0.818** /	0.809**/
	0.649**	0.724*	0.728**	0.813**	0.797**

Notes: Computation based on the inter-industry wage differentials reported in Appendix 10. n stands for the number of sectors. \*\*/\*/°: coefficient significant at the 1, 5 and 10 per cent, respectively.

ther mining and quarrying (14)-1,85anufacture of food products and verages (15)0,09anufacture of tobacco products (16)0,25anufacture of textiles (17)-13,22**anufacture of wearing apparel; dressing-13,22**	1,60 1,55** 3,30* * -10,65**	1,49 2,16** 0,03	6,19** 2,15**	4,17* 2,99**	4,03* 1,53**
verages (15)0,09anufacture of tobacco products (16)0,25anufacture of textiles (17)-13,22**anufacture of wearing apparel; dressing-13,22**	3,30*			2,99**	1.53**
anufacture of tobacco products (16)0,25anufacture of textiles (17)-13,22**anufacture of wearing apparel; dressing-13,22**	3,30*			2,99**	1.53**
anufacture of textiles (17) -13,22** anufacture of wearing apparel; dressing		0,03	0.10.444		1,00
anufacture of wearing apparel; dressing	· -10 65**	,	9,10**	-0,48	6,68**
	10,00	-8,06**	-9,16**	-8,90**	-9,78**
d dyeing of fur (18) -4,61	-10,05**	-4,23°	-18,58**	-12,74**	-12,95**
nning and dressing of leather;					
anufacture of luggage, handbags,					
ddlery, harness and footwear (19) -2,37	-7,75**	-4,97*	-9,76**	-6,76**	-5,23*
anufacture of wood and products of					
bod and cork, except furniture;					
anufacture of articles of straw and	* 10.01**	0.54**	10 22**	0.00**	15 21**
aiting materials (20) -12,48**	* -10,91**	-9,54**	-10,22**	-9,08**	-15,31**
anufacture of pulp, paper and paper oducts (21) 2,49**	1,59°	4,86**	4,46**	4,84**	5,09**
oducts (21) 2,49** ublishing, printing and reproduction of	1,39	4,00***	4,40	4,04	5,09***
corded media (22) 4,85**	4.92**	9.44**	7.31**	6.50**	9,34**
anufacture of coke, refined petroleum	4,92	2,44	7,51	0,50	2,54
oducts and nuclear fuel (23) 24,91**	25,11**	24,50**	25.97**	30.60**	28,74**
anufacture of chemicals and chemical	,	,	,	,	,
oducts (24) 14,80**	15,38**	14,39**	15,10**	16,25**	17,64**
anufacture of rubber and plastic					
oducts (25) -3,79**	1,03°	-0,74	-3,64**	-4,06**	0,90
anufacture of other non-metallic					
ineral products (26) -3,46**	0,31	3,69**	3,73**	-0,32	1,03°
anufacture of basic metals (27) -2,60*	7,95**	6,68**	9,15**	15,06**	6,44**
anufacture of fabricated metal					
oducts, except machinery and					
uipment (28) -8,34**	-2,25**	-3,32**	-2,30**	-4,22**	-3,34**
anufacture of machinery and equipment				1.00 %	
e.c. (29) 0,88*	-1,55°	2,03**	-1,17	1,30*	-0,27
anufacture of office machinery and mputers (30) -5,46°	-5,22°	-6,53**	-6,99*	-10,21**	-5,82**
mputers (30) -5,46° anufacture of electrical machinery and	-3,22	-0,55***	-0,99*	-10,21***	-3,82***
paratus n.e.c. (31) -0,87	-2,73**	-2,80*	-1,06	-0,42	-3,28**
anufacture of radio, television and	-2,15	-2,00	-1,00	-0,42	-5,20
mmunications equipment and					
paratus (32) 3,75**	2,38**	4,54**	-0,82	4,40**	10,22**
anufacture of medical, precision and	,	,	,	,	,
tical instruments, watches and clocks					
3) -3,81**	-5,52**	1,58°	0,04	-1,10	4,83**
anufacture of motor vehicles, trailers					
d semi-trailers (34) -3,84**	-2,07**	4,36**	5,26**	2,05**	2,92**
anufacture of other transport equipment					
5) -5,82**	-2,20*	-8,90**	-4,71**	2,92*	-1,96
anufacture of furniture; manufacturing	* 15 20**	15 01**	1410**	16 50**	1404**
e.c. $(36)$ -14,28**		-15,21**	-14,12**	-16,50**	-14,94**
-8,47**	-8,75**	-6,10**	-1,74	-0,90	3,83*
ectricity, gas, steam and hot water	27.01***	20 40 ***	50.10 M	00.40%	22 (2***
pply (40) 42,46**	37,01**	39,40**	53,12**	80,40**	32,68**
billection, purification and distribution water (41) -19.61**	* -8,09**	-10,80**	-12.00**	-11,14**	5 25**
	<i>,</i>	,	,		-5,35**
2,	-3,55**	-0,98	-1,87**	-3,77**	-4,38**
ile, maintenance and repair of motor					
hicles and motorcycles; retail sale of	1 21**	1 12**	1 1 1 **	0.60**	0.049
	4,34**	4,43**	4,14**	9,60**	0,94°
tomotive fuel (50) 4,81**					
holesale trade and commission trade,					
holesale trade and commission trade, cept of motor vehicles and motorcycles	3.46**	2.26**	2.59**	5.69**	3.50**
holesale trade and commission trade,	3,46**	2,26**	2,59**	5,69**	3,50**

# Appendix 9: Inter-Industry Wage Differentials at the NACE two-digit level, in Percentage Terms, 2000-2005 (SES-SBS data)



household goods (52)						
Hotels and restaurants (55)	-19.68**	-16.83**	-20.52**	-16,21**	-18.72**	-19.74**
Land transport; transport via pipelines	-19,08	-10,65	-20,32	-10,21	-10,72	-19,74
(60)	2,02**	-9,12**	-7,15**	-7,31**	-5,16**	-7,24**
Air transport (62)	5,03	12,00°	13,94*	15,83*	21,76**	-0,05
Supporting and auxiliary transport	,	,	,	,	,	,
activities; activities of travel agencies						
(63)	-5,14**	-4,57**	2,43**	3,09**	-0,25	0,63
Post and telecommunications (64)	6,72**	8,74**	2,37*	3,89**	3,07**	5,01**
Financial intermediation, except			2 - 2	10 50 44		1.5.10.00
insurance and pension funding (65)	-7,63**	9,61**	-3,78	13,58**	7,60**	15,19**
Activities auxiliary to financial intermediation (67)	4.66*	-3,39°	2,72°	6.06**	5,97**	9.63**
Real estate activities (70)	-3.17	-1.48	3.15	-0.54	2.92*	5,65 6,65**
Renting of machinery and equipment	-3,17	-1,40	5,15	-0,54	2,92	0,05
without operator and of personal and						
household goods (71)	0,51	-2,53	4,52**	4,91**	1,39	-3,81°
Computer and related activities (72)	-4,38**	-6,01**	-0,05	-2,09°	0,28	-0,42
Research and development (73)	13,64**	-2,46	4,50**	0,13	0,87	-1,22
Other businesses activities (74)	-8,99**	-7,51**	-2,79**	-4,54**	-5,15**	-7,22**
Adjusted R <sup>2</sup> of the wage regression	0.61	0.60	0.63	0.58	0.62	0.57
F-test relative to the wage regression	439.8**	552.1*	598.4**	511.7**	567.6**	439.8**
F-test relative to the sectoral dummies	80.0**	84.1**	87.5**	77.8**	75.3**	80.0**
Per cent significant industry wage	76.2	88.1	83.3	83.3	78.6	83.3
differentials at the 10 per cent level	(32/42)	(37/42)	(35/42)	(35/42)	(33/42)	(35/42)
Range of industry wage differentials	62.1	53.8	59.9	71.7	99.1	52.4
Weighted adjusted standard deviation						
(WASD) of the inter-industry	0.100	0.088	0.080	0.070	0.082	0.084
differentials	1.5					
Number of industries	42	42	42	42	42	42
Number of observations	37,574	49,136	51,680	52,808	50,720	56,310

Notes: Standard errors of the industry wage differentials have been computed according to Zanchi (1992). \*\*/\*/°: industry wage differential significant at the 1, 5 and 10 per cent level, respectively.



1,97 10,44**	2004	2003		2001		
	2,37	2,60	0,80	0,24	-2,24	Quarrying of stone (141)
,	12,82**	17,78**	5,35**	9,06**	3,45*	Quarrying of sand and clay (142)
	,	,	,	,	,	Production, processing and preserving of meat and
-5,16**	0,01	-2,25*	-2,55*	-1,48	1,12	neat products (151) Processing and preserving of fish and fish products
-5,15	-6,52	-1,27	-4,45*	-7,24**	-9,71**	152) Processing and preserving of fruit and vegetables
-5,25**	-2,94°	-1,66	-1,95	-0,03	-1,53	153) Manufacture of vegetable and animal oils and fats
14,65**	10,45**	10,72**	12,55**	9,80**	1,44	154)
0,80	0,01	5,23**	-3,76**	-4,13**	-2,92*	Manufacture of dairy products (155)
8,56**	11,06**	7,80**	13,30**	-3,64	4,85**	Manufacture of grain mill products, starches and tarch products (156)
-0,52	1,40	0,06	7,28**	-0,66	1,29	Manufacture of prepared animal feeds (157)
2,60**	4,56**	2,11**	4,72**	2,97**	-0,03	Manufacture of other food products (158)
5,29**	5,16**	3,57**	0,61	2,48**	0,39	Manufacture of beverages (159)
5,88**	-0,38	8,21**	-0,54	3,07*	-0,04	Manufacture of tobacco product (160)
-10,47**	-14,39**	-10,84**	-10,51**	-16,14**	-16,38**	Preparation and spinning of textile fibres (171)
-12,84**	-10,33**	-9,09**	-6,09**	-12,54**	-12,30**	Textile weaving (172)
-4,40	-10,24**	-11,36**	-6,73**	-14,09**	-18,07**	Finishing of textiles (173)
-12,43**	-13,66**	-11,86**	-7,98**	-9,83**	-13,90**	Manufacture of made-up textile articles, except upparel (174)
-9,39**	-6,14**	-7,72**	-8,41**	-7,63**	-11,63**	Manufacture of other textiles (175)
-11,28*	-15,02**	-20,57**	-22,13**	n.a.	11,64	Manufacture of knitted and crocheted articles (177)
-13,82**	-13,14**	-19,29**	-4,95*	-10,50**	-5,61*	Manufacture of other wearing apparel and accessories (182)
-5,80°	-11,34**	-6,85*	-2,92	-5,27	-1,64	Manufacture of luggage, handbags and the like, addlery and harness (192)
-3,90	7,77*	-14,53**	-2,92	-14,43**	-11,42**	Manufacture of footwear (193)
-18.74**	-11,62**	-14,55	-14,85**	-15,02**	-18,02**	Sawmilling and planing of wood, impregnation of wood (201)
-10,74	-11,02	-10,54	-14,05	-15,02	-10,02	Manufacture of veneer sheets; manufacture of blywood, laminboard, particle board, fibre board
-10,29**	-3,84°	-6,81**	-8,18**	-9,96**	-6,75**	and other panels and boards (202)
-20,59**	-13,15**	-10,89**	-9,20**	-7,93**	-9,54**	Manufacture of builders' carpentry and joinery (203)
-10,50**	-13,63**	-9,91**	-10,49**	-13,56**	-13,97**	Manufacture of wooden containers (204)
						Manufacture of other products of wood; nanufacture of articles of cork, straw and plaiting
-20,17**	-14,05**	-9,54**	-16,16**	-17,70**	-22,64**	naterials (205)
14,36**	11,06**	12,00**	6,63**	3,30*	0,65	Manufacture of pulp, paper and paperboard (211) Manufacture of articles of paper and paperboard
2,16**	3,65**	2,82**	4,89**	1,16	3,04**	212)
6,01**	2,57*	0,00	0,51	1,71	5,43**	Publishing (221)
12,46**	9.93**	14.06**	16.66**	7.94**	2.41*	Printing and service activities related to printing 222)
33,07**			,	<i>,</i>		
17,63**						Processing of nuclear fuel (233)
25,84**						-
13,32**	7,21**	3,95**	5,80**	3,75*		Manufacture of paints, varnishes and similar
15,87**	16,43**	11,88**	10,95**	8,06**	7,24**	Manufacture of pharmaceuticals, medicinal chemicals and botanical product (244)
-						Manufacture of soap and detergents, cleaning and
-4,02**	-2,06	-0,70	-9,64**	3,07**	-5,75**	preparations (245)
19,83**	20,15**	21,83**	26,56**	25,98**	35,17**	Manufacture of other chemical products (246)
0,69	0,64	-4,28**	-0,62	-6,03**	-8,71**	Manufacture of man-made fibres (247)
-3,23	-5,41**	-1,93	-2,09	1,14	-2,73°	Manufacture of rubber products (251)
	2,57* 9,93** 37,80** 14,44** 23,67** 7,21** 16,43** -2,06 20,15** 0,64	0,00 14,06** 32,85** 7,86** 24,07** 3,95** 11,88** -0,70 21,83**	0,51 16,66** 38,72** -0,71 22,49** 5,80** 10,95** -9,64** 26,56** -0,62	1,71 7,94** 37,31** 3,35* 23,02** 3,75* 8,06** 3,07** 25,98**	5,43** 2,41* 38,93** 5,72** 20,34** -2,21 7,24** -5,75** 35,17** -8,71**	212) Publishing (221) Printing and service activities related to printing 222) Manufacture of refined petroleum products (232) Processing of nuclear fuel (233) Manufacture of basic chemicals (241) Manufacture of paints, varnishes and similar coatings, printing ink and mastics (243) Manufacture of pharmaceuticals, medicinal chemicals and botanical product (244) Manufacture of soap and detergents, cleaning and poolishing preparations, perfumes and toilet preparations (245) Manufacture of other chemical products (246) Manufacture of man-made fibres (247)

Appendix 10: Inter-Industry Wage Differentials at the NACE three-digit level, in Percentage Terms, 2000-2005 (SES-SBS data)



Manufacture of plastic products (252)	-3,70**	1,51*	-0,18	-3,28**	-3,41**	1,78**
Manufacture of glass and glass products (261)	-5,88**	-6,15**	2,22*	1,40	-5,93**	-2,60°
Manufacture of non-refractory ceramic goods other than for construction purposes; manufacture of						
refractory ceramic products (262) Manufacture of bricks, tiles and construction	-15,92**	-6,47**	-1,79	-4,20*	-8,63**	-2,09
products, in baked clay (264)	-2,72	-0,32	0,24	-4,05**	-1,81	-1,76
Manufacture of cement, lime and plaster (265)	13,71**	23,86**	23,78**	20,82**	12,67**	15,77**
Manufacture of articles of concrete, plaster and cement (266)	-2,34	5.87**	2.80**	4,46**	2.77**	2,32*
Cutting, shaping and finishing of stone (267)	-7,27**	-0,56	1,43	-9,70**	1,85	-4,91°
Manufacture of other non-metallic mineral products (268)	1,70	-8,60**	2,31	-3,91°	9,42**	-2,92
Manufacture of basic iron and steel and of ferro-	-,	-,	_,	- ,	-,	_,
alloys (ECSC) (271)	-3,67°	20,51**	14,59**	19,20**	27,29**	9,15**
Manufacture of tubes (272)	-2,83	-0,31	0,12	4,27*	4,09°	-3,51°
Other first processing of iron and steel and $1 - \frac{1}{2} = \frac{1}{$	2 (0*	4.00**	1 (7	1.00	7 (1**	( ( ( **
production of non-ECSC ferro-alloys (273) Manufacture of basic precious and non-ferrous	-3,68*	-4,90**	-1,67	1,92	7,64**	6,66**
metals (274)	2,64**	12,72**	10,47**	10,88**	12,11**	5,27**
Casting of metals (275)	3,30**	1,02	-3,65**	2,86**	-1,13	0,86
Manufacture of structural metal products (281)	-11,30**	-7.95**	-4,94**	-5,40**	-7,43**	-5,38**
Manufacture of tanks, reservoirs and containers of	,	.,	.,	-,	.,	- ,
metal; manufacture of central heating radiators and						
boilers (282)	-2,63	4,56**	-5,73**	-3,11*	0,73	-6,58**
Manufacture of steam generators, except central heating hot water boilers (283)	1,78	-2,50	-1,28	-3,10*	-10,71**	2,80*
Forging, pressing, stamping and roll forming of	1,70	-2,30	-1,20	-3,10*	-10,71**	2,80
metal; powder metallurgy (284)	-8,63**	-1,81	-8,65**	-2,30	-7,81**	-3,81
Treatment and coating of metals; general						
mechanical engineering (285)	-4,28*	2,35°	0,34	3,40*	-2,45°	-4,16**
Manufacture of cutlery, tools and general hardware (286)	-6,62**	-5,89**	-2,35	-0,21	0,08	5,27**
Manufacture of other fabricated metal products	-0,02	-3,89	-2,35	-0,21	0,08	5,27
(287)	-18,90**	-5,63*	-4,17**	-4,38**	-0,67	-1,43
Manufacture of machinery for the production and						
use of mechanical power, except aircraft, vehicle	6 1 4 4 4	( []**	10 10**	C 00**	( 00**	0.40*
and cycle engines (291) Manufacture of other general purpose machinery	6,14**	6,57**	10,48**	5,88**	6,98**	2,42*
(292)	-2,75	-6,61**	0,13	-2,84*	2,12*	0,21
Manufacture of agricultural and forestry machinery	2,	0,01	0,10	=,0 .	_,	0,21
(293)	4,49**	4,67**	8,81**	-4,03*	-8,28**	2,37
Manufacture of machine-tools (294)	2,04	-3,91°	0,05	-3,75°	-6,46**	3,12
Manufacture of other special purpose machinery	0.50	2.10*	0.01	1.00	1.0.4	1.00
(295) Manufacture of domestic appliances n.e.c. (297)	-0,59	-3,13*	-0,91	-1,02	1,04	-1,28
Manufacture of office machinery and computers	-8,58**	-8,28**	-4,73*	-9,10**	-9,61**	-10,45**
(300)	-6,45*	-4,82	-6,47**	-6,40*	-9,05**	-4,79*
Manufacture of electric motors, generators and						
transformers (311)	-5,92**	-7,48**	-5,11	-0,51	-3,48	-4,40°
Manufacture of electricity distribution and control	1 70**	0.05**	7.00**	2.00*	2 2 1 0	( 70**
apparatus (312) Manufacture of insulated wire and cable (313)	-4,72**	-8,05**	-7,99**	-2,80*	-3,21°	-6,72**
Manufacture of lighting equipment and electric	5,67**	1,46°	9,58**	6,89**	12,23**	7,37*
lamps (315)	7,43**	5,72**	4,82**	0,30	2,22*	-2,89
Manufacture of electrical equipment n.e.c. (316)	-3,39	-0,08	-7,36°	-4,42*	-1,16	4,97°
Manufacture of electronic valves and tubes and	0,05	0,00	,,00	.,	1,10	.,
other electronic components (321)	5,11**	9,89**	12,55**	3,50*	8,34**	15,33**
Manufacture of television and radio transmitters and apparatus for line telephony and line telegraphy						
(322)	6,67**	-7,34	-3,93	11,07*	10,84**	13,54**
Manufacture of television and radio receivers, sound or video recording or reproducing apparatus and						
associated goods (323)	-6.96**	-8,39**	-3,96	-1,27	-7,19**	5,89**
Manufacture of medical and surgical equipment and	-3,06	-2,31	8,00**	-1,29	6,88**	2,86°
	.,	-,- *	,		/	,

67

anthonoodia anglianaaa (221)						
orthopaedic appliances (331) Manufacture of instruments and appliances for						
measuring, checking, testing, navigating and other						
purposes, except industrial process control						
equipment (332)	1,01	-2,40	7,85**	6,68**	0,05	11,38**
Manufacture of industrial process control equipment	7 72**	0.25**	10 00**	0.00**	0 10**	1.40
(333) Manufacture of optical instruments and	-7,73**	-9,35**	-12,22**	-8,00**	-8,10**	-1,42
photographic equipment (334)	-7,81**	-2,09	-3,51	-1,79	-2,88	0,61
Manufacture of motor vehicles (341)	-2,54*	0,42	10,26**	10,38**	3,68**	5,98**
Manufacture of bodies (coachwork) for motor						
vehicles; manufacture of trailers and semi-trailers						
(342) Manufacture of parts and accessories for motor	-6,67**	-6,34**	-4,28**	1,98*	3,29**	5,78**
vehicles and their engines (343)	-2,82*	-4,16**	-0,02	-1,41	-0,30	-4,59**
Building and repairing of ships and boats (351)	-1,39	0,98	-1,61	4,19°	2,46*	6,21**
Manufacture of railway and tramway locomotives	1,00	0,90	1,01	1,19	2,10	0,21
and rolling stock (352)	-5,18**	-0,99	-17,81**	0,86	4,95**	3,78*
Manufacture of aircraft and spacecraft (353)	-5,72**	-2,19	-2,18	-5,42**	3,25°	-2,02
Manufacture of motorcycles and bicycles (354)	-8,38*	-4,27	-5,45*	-3,47	-1,71	-4,62
Manufacture of furniture (361)	-17,57**	-15,66**	-15,03**	-16,37**	-17,23**	-15,06**
Manufacture of jewellery and related articles (362)	-15,79**	-21,11**	-24,37**	-7,93*	-19,60**	-14,89**
Manufacture of games and toys (365)	-0,13	-12,76**	-5,08	14,42**	0,62	0,14
Miscellaneous manufacturing n.e.c (366)	-3,28	-11,01**	-6,38**	-11,77**	-15,92**	-17,09**
Recycling of metal waste and scrap (371)	-10,88**	1,16	-5,69**	-1,40	1,92	7,16**
Recycling of non-metal waste and scrap (372)	-7,73**	-16,69**	-9,58**	-5,15**	-3,70	-5,26*
Production and distribution of electricity (401)	41,28**	37,45**	39,38**	57,43**	109,92**	31,78**
Manufacture of gas; distribution of gaseous fuels						
through mains (402)	45,99**	55,21**	64,59**	45,40**	49,25**	58,86**
Collection, purification and distribution of water (410)	-19,11**	-7,22**	-16,45**	-12,29**	-11,00**	-5,10**
Site preparation (451)	4,08*	5,42**	12,36**	3,40**	5,24**	-2,35
Building of complete constructions or parts thereof;	4,00**	3,42***	12,50	5,40***	3,24***	-2,55
civil engineering (452)	-2,96*	-2,71**	-0,94	-1,02	-2,88**	-4,67**
Building installation (453)	-9,01**	-4,96**	-2,70**	-5,23**	-6,06**	-4,51**
Building completion (454)	-2,34	-1,49	-1,50	0,37	-1,90	-3,98**
Renting of construction or demolition equipment	,	,	,		,	,
with operator (455)	-8,84*	-1,05	1,66	11,81**	-0,38	16,05**
Sale of motor vehicles (501)	4,81**	5,70**	6,18**	5,69**	9,90**	2,32***
Maintenance and repair of motor vehicles (502)	1,93	-0,55	5,13**	2,55*	12,63**	-0,02
Sale of motor vehicle parts and accessories (503)	0,97	5,08**	-10,92**	-3,00	1,66	-5,06**
Sale, maintenance and repair of motorcycles and	0.7544	4 7 40	E 00*	0.27	10 1044	( 70+++
related parts and accessories (504) Wholesale on a fee or contract basis (511)	9,75** 15.75**	4,74°	5,29*	0,37	13,10**	6,72**
Wholesale of agricultural raw materials and live	15,75**	18,46**	22,13**	14,48**	-6,23*	11,88**
animals (512)	-11,22**	-7,70*	-1,79	-1,11	-3,65	1,63
Wholesale of food, beverages and tobacco (513)	-3,74**	-7,19**	-6,77**	-5,43**	5,72**	-6,81**
Wholesale of household goods (514)	-3,74 2,77°	8,16**	7,66**	3,67**	8,01**	-0,81 7,12**
Wholesale of non-agricultural intermediate	-,,,,	0,10	,,	2,07	0,01	1,12
products, waste and scrap (515)	3,45*	2,73**	-2,23	1,25	4,80**	3,78**
Wholesale of machinery, equipment and supplies				<u> </u>		
(516) Detail cele in non-consisting distance (521)	-2,55	3,77**	1,68*	5,64**	3,79*	5,46**
Retail sale in non-specialised stores (521)	-1,22	-7,11**	-9,60**	-4,05**	-11,55**	-6,78**
Retail sale of pharmaceutical and medical goods, cosmetic and toilet articles (523)	-7,78**	-14,10**	-10,82**	-8,46**	-13,15**	-11,09**
Other retail sale of new goods in specialised store	-1,10	-14,10***	-10,02	-0,40	-13,13	-11,09***
(524)	-11,54**	-7,64**	-11,25**	-10,93**	-16,64**	-14,60**
Retail sale of second-hand goods in stores (525)	-11,34*	-18,72**	-18,72**	-30,88**	-33,40**	-33,48**
Retail sale not in stores (526)	-13,54**	-12,49**	-17,00**	-17,33**	-25,17**	-15,42**
Repair of personal and household goods (527)	-5,10	7,48*	-6,34**	-9,68**	8,07**	0,51
Hotels (551)	-22,55**	-25,09**	-24,55**	-18,60**	-20,63**	-26,17**
Camping sites and other provision of short-stay	-19,98**	-24,26**	-24,74**	-11,83**	-14,12**	-18,42**
1 6 Saide provision of short stay	-17,70	-24,20	-24,14	-11,03	-1+,12	-10,42.1

68

accommodation (552)						
Restaurants (553)	-19,76**	-12,57**	-27,59**	-18,10**	-21,17**	-23,63**
Bars (554)	-34,76**	-25,97**	-30,89**	-26,59**	-25,71**	-0,02
Canteens and catering (555)	-21,01**	-23,06**	-17,96**	-19,74**	-22,61**	-23,54**
Other land transport (602)	1,56*	-9,98**	-9,03**	-6,88**	-5,60**	-7,25**
Scheduled air transport (621)	4,70	8,98	13,20*	15,24*	20,08**	0,43
Cargo handling and storage (631)	-7,95**	-10,78**	-1,31	-3,18**	0,63	-0,95
Other supporting transport activities (632)	7,73*	-5,96°	16,48**	26,26**	-10,55**	1,32
Activities of travel agencies and tour operators;	1,15	-5,70	10,40	20,20	-10,55	1,52
tourist assistance activities n.e.c. (633)	-9,54**	-13,92**	-7,90**	-10,63**	-11,78**	-12,60**
Activities of other transport agencies (634)	-5,73*	3,79**	6,97**	5,14**	8,11**	4,98**
Post and courier activities (641)	4,20°	-10,37**	-9,26**	-9,43**	0,48	-7,48**
Telecommunications (642)	6,80**	15,49**	9,46**	9,76**	4,89**	7,60**
Other financial intermediation (652)	-8,32**	9,64**	1,71	13,33**	10,08**	23,24**
Activities auxiliary to financial intermediation,						
except insurance and pension funding (671)	6,05*	1,20	7,12**	11,47**	9,82**	15,73**
Activities auxiliary to insurance and pension funding (672)	-2,46	-6,44**	-1,35	-0,35	3,05°	4,25*
Real estate activities with own property (701)	40,94**	33,74**	21,37**	25,38**	22,45**	6,83
Letting of own property (702)	-0,35	-6,15*	-2,43	-5,85**	1,58	5,65**
Real estate activities on a fee or contract basis (703)	-12,27**	-0,49	-1,23	-1,31	2,51	-1,61
Renting of automobiles (711)	2,69	-3,13	7,07**	8,53**	6,99**	7,53**
Renting of other machinery and equipment (713)	1,76	3,09°	2,81	4,38**	-1,74	-12,20**
Renting of personal and household goods n.e.c.	1,70	5,05	2,01	1,50	1,7 1	12,20
(714)	-19,51**	-14,30**	-13,22**	-8,70*	-14,11**	-18,15**
Hardware consultancy (721)	-4,76	-4,23*	6,00**	4,24**	4,23**	-1,39
Software consultancy and supply (722)	2,16	-3,70°	-0,62	-1,65	0,96	1,92
Data processing (723)	-2,61	-5,24*	0,00	14,25**	13,22**	9,60*
Data base activities (724)	-15,00**	-4,71°	-4,76	-2,27	-0,58	11,80**
Maintenance and repair of office, accounting and						
computing machinery (725)	-17,53**	-12,60**	-8,94**	-12,82**	-11,70**	-11,12**
Other computer related activities (726)	10,26	1,39	-7,70**	-1,12	8,88*	33,55**
Research and experimental development on natural sciences and engineering (731)	12,08**	-2,17	4,90**	1,17	1,77	0,31
Legal, accounting, book-keeping and auditing	12,00	2,17	1,90	1,17	1,77	0,51
activities; tax consultancy; market research and						
public opinion polling; business and management						
consultancy; holdings (741)	6,00**	5,11**	6,90**	7,83**	8,79**	10,91**
Architectural and engineering activities and related technical consultancy (742)	-11,29**	-0,39	-9,10**	-6,62**	-2,88	-6,71**
Technical testing and analysis (743)	3,58*	-4,41*	10,96**	-0,02 7,27**	-5,20*	-6,19**
Advertising (744)	-26.66**	-10,32*	-16,65**	-1,33	-6,44	-0,19
Labour recruitment and provision of personnel (745)	-18,69**	-9,85**	-13,49**	-9,29**	-11,06**	-10,00**
Investigation and security activities (746)	-12,13**	-31,57**	-4,93**	-15,60**	-21,21**	-18,12**
Industrial cleaning (747)	-10,53**	-14,16**	-10.56**	-11,08**	-9,29**	-19,76**
Miscellaneous business activities n.e.c (748)	-6,33**	-4,19	-10,68**	-8,30**	-8,54**	-6,53**
Adjusted R <sup>2</sup> of wage regression	0.64	0.63	0.65	0.60	0.63	0.59
F-test relative to the estimated wage regression	242.2**	301.1**	318.3**	272.9**	306.4**	247.2**
F-test relative to the sectoral dummies	38.0**	40.1**	42.5**	39.7**	34.5**	41.0**
Per cent significant industry wage differentials at the		74.7	70.9	77.5	74.7	74.7
10% level	(109/151)	(112/150)	(107/151)		(112/150)	
Range of industry wage differentials	80.75	86.78	95.47	88.31	143.32	92.34
Weighted adjusted standard deviation (WASD) of	0.11-	0.100	0.101	0.00.	0.000	0.10-
the inter-industry differentials	0.116	0.109	0.101	0.094	0.099	0.105
Number of industries Number of observations	151	150	151	151	151	151
Notes: Standard errors of the industry wave	37,574	49,136	51,680	52,808	50,720	56,310 2) **/*/°·

*Notes*: Standard errors of the industry wage differentials are computed according to Zanchi (1992). \*\*/\*/°: industry wage differential significant at the 1, 5 and 10%, respectively.

cent level), Before	e and After	Controllin	ng for F	kent-Sh	arıng,	NACE	two-di	git level
Specification of	Data	2000	2001	2002	2003	2004	2005	Average
wage equation:								2000-2005
Before controlling	SES	76.7	76.7	88.4	86.0	79.1	81.3	81.4
for rent-sharing	SES-SBS	76.2	88.1	83.3	83.3	78.6	83.3	82.1
After controlling for	SES-SBS	47.6	42.9	47.6	40.4	52.4	40.5	45.2
rent-sharing								

Appendix 11: Percentage Significant Inter-Industry Wage Differentials (at the 10 per	
cent level). Before and After Controlling for Rent-Sharing, NACE two-digit level	

Appendix 12: Percentage Significant Inter-Industry Wage Differentials (at the 10 per cent level), Before and After Controlling for Rent-Sharing, NACE three-digit level

		Contr onn	-9					
Specification of	Data	2000	2001	2002	2003	2004	2005	Average
wage equation:								2000-2005
Before controlling	SES	75.5	73.5	78.7	73.5	79.4	76.8	76.2
for rent-sharing	SES-SBS	72.2	74.7	70.9	77.5	74.7	74.7	74.1
After controlling for	SES-SBS	40.4	48.7	47.7	53.0	51.7	50.3	48.6
rent-sharing								



Appendix 13: Correlation Coefficients Between Inter-Industry Wage Differentials, Before (SES data) and After (SES-SBS data) Controlling for Rent-Sharing, NACE twodigit level (n=42)

Period:	2000	2001	2002	2003	2004	2005
Pearson	0.685**	0.805**	0.740**	0.863**	0.873**	0.927**
Spearman	0.523**	0.668**	0.572**	0.760**	0.820**	0.909**

\*\*/\*/°: coefficient significant at the 1, 5 and 10 per cent, respectively.

Appendix 14: Correlation Coefficients Between Inter-Industry Wage Differentials, Before (SES-SBS data) and After (SES-SBS data) Controlling for Rent-Sharing, NACE two-digit level

Period:	2000	2001	2002	2003	2004	2005					
Pearson	0.944**	0.926**	0.954**	0.962**	0.960**	0.944**					
Spearman	0.855**	0.887**	0.893**	0.893**	0.848**	0.876**					
**/*/°· coeffic	$*/*/^{\circ}$ : coefficient significant at the 1-5 and 10 per cent respectively										

\*\*/\*/°: coefficient significant at the 1, 5 and 10 per cent, respectively.

Appendix 15: Pearson/Spearman Correlation Coefficients Between Inter-Industry Wage Differentials, Before (SES data) and After (SES-SBS data) Controlling for Rent-Sharing, NACE three-digit level (n=152)

Period:	2000	2001	2002	2003	2004	2005
Pearson	0.717**	0.791**	0.825**	0.866**	0.820**	0.889**
Spearman	0.642**	0.767**	0.765**	0.868**	0.811**	0.865**

\*\*/\*/°: coefficient significant at the 1, 5 and 10 per cent, respectively.

Appendix 16: Pearson/Spearman Correlation Coefficients Between Inter-Industry Wage Differentials, Before (SES-SBS data) and After (SES-SBS data) Controlling for Rent-Sharing, NACE three-digit level (n=152),

Period:	2000	2001	2002	2003	2004	2005
Pearson	0.943**	0.940**	0.962**	0.961**	0.946**	0.938**
Spearman	0.901**	0.922**	0.931**	0.942**	0.907**	0.912**

\*\*/\*/°: coefficient significant at the 1, 5 and 10 per cent, respectively.

Alter Controlling	JUI KUIU-	3nai ing, 147	ICL IN	o-uign				
WASD	Data	2000	2001	2002	2003	2004	2005	Average
								2000-2005
Before controlling	SES	0.083	0.086	0.070	0.070	0.089	0.086	0.081
for rent-sharing	SES-SBS	0.100	0.088	0.080	0.070	0.082	0.084	0.084
After controlling for	SES-SBS	0.071	0.063	0.068	0.054	0.065	0.061	0.064
rent-sharing								

Appendix 17: Dispersion of Inter-Industry Wage Differentials (WASD), Before and
After Controlling for Rent-Sharing, NACE two-digit level

## Appendix 18: Dispersion of Inter-Industry Wage Differentials (WASD), Before and After Controlling for Rent-Sharing, NACE three-digit level

		0/						
WASD	Data	2000	2001	2002	2003	2004	2005	Average
								2000-2005
Before controlling	SES	0.097	0.107	0.085	0.088	0.102	0.113	0.099
for rent-sharing	SES-SBS	0.116	0.109	0.101	0.094	0.099	0.105	0.104
After controlling for	SES-SBS	0.079	0.085	0.084	0.072	0.076	0.077	0.079
rent-sharing								

### **European Central Bank Working Paper Series**

For a complete list of Working Papers published by the ECB, please visit the ECB's website (http://www.ecb.europa.eu).

- 1066 "Universal banks and corporate control: evidence from the global syndicated loan market" by M. A. Ferreira and P. Matos, July 2009.
- 1067 "The dynamic effects of shocks to wages and prices in the United States and the euro area" by R. Duarte and C. R. Marques, July 2009.
- 1068 "Asset price misalignments and the role of money and credit" by D. Gerdesmeier, H.-E. Reimers and B. Roffia, July 2009.
- 1069 "Housing finance and monetary policy" by A. Calza, T. Monacelli and L. Stracca, July 2009.
- 1070 "Monetary policy committees: meetings and outcomes" by J. M. Berk and B. K. Bierut, July 2009.
- 1071 "Booms and busts in housing markets: determinants and implications" by L. Agnello and L. Schuknecht, July 2009.
- 1072 "How important are common factors in driving non-fuel commodity prices? A dynamic factor analysis" by I.Vansteenkiste, July 2009.
- 1073 "Can non-linear real shocks explain the persistence of PPP exchange rate disequilibria?" by T. Peltonen, M. Sager and A. Popescu, July 2009.
- 1074 "Wages are flexible, aren't they? Evidence from monthly micro wage data" by P. Lünnemann and L. Wintr, July 2009.
- 1075 "Bank risk and monetary policy" by Y. Altunbas, L. Gambacorta and D. Marqués-Ibáñez, July 2009.
- 1076 "Optimal monetary policy in a New Keynesian model with habits in consumption" by C. Leith, I. Moldovan and R. Rossi, July 2009.
- 1077 "The reception of public signals in financial markets what if central bank communication becomes stale?" by M. Ehrmann and D. Sondermann, August 2009.
- 1078 "On the real effects of private equity investment: evidence from new business creation" by A. Popov and P. Roosenboom, August 2009.
- 1079 "EMU and European government bond market integration" by P. Abad and H. Chuliá, and M. Gómez-Puig, August 2009.
- 1080 "Productivity and job flows: heterogeneity of new hires and continuing jobs in the business cycle" by J. Kilponen and J. Vanhala, August 2009.
- 1081 "Liquidity premia in German government bonds" by J. W. Ejsing and J. Sihvonen, August 2009.
- 1082 "Disagreement among forecasters in G7 countries" by J. Dovern, U. Fritsche and J. Slacalek, August 2009.
- 1083 "Evaluating microfoundations for aggregate price rigidities: evidence from matched firm-level data on product prices and unit labor cost" by M. Carlsson and O. Nordström Skans, August 2009.
- 1084 "How are firms' wages and prices linked: survey evidence in Europe" by M. Druant, S. Fabiani, G. Kezdi, A. Lamo, F. Martins and R. Sabbatini, August 2009.

- 1085 "An empirical study on the decoupling movements between corporate bond and CDS spreads" by I. Alexopoulou, M. Andersson and O. M. Georgescu, August 2009.
- 1086 "Euro area money demand: empirical evidence on the role of equity and labour markets" by G. J. de Bondt, September 2009.
- 1087 "Modelling global trade flows: results from a GVAR model" by M. Bussière, A. Chudik and G. Sestieri, September 2009.
- 1088 "Inflation perceptions and expectations in the euro area: the role of news" by C. Badarinza and M. Buchmann, September 2009.
- 1089 "The effects of monetary policy on unemployment dynamics under model uncertainty: evidence from the US and the euro area" by C. Altavilla and M. Ciccarelli, September 2009.
- 1090 "New Keynesian versus old Keynesian government spending multipliers" by J. F. Cogan, T. Cwik, J. B. Taylor and V. Wieland, September 2009.
- 1091 "Money talks" by M. Hoerova, C. Monnet and T. Temzelides, September 2009.
- 1092 "Inflation and output volatility under asymmetric incomplete information" by G. Carboni and M. Ellison, September 2009.
- 1093 "Determinants of government bond spreads in new EU countries" by I. Alexopoulou, I. Bunda and A. Ferrando, September 2009.
- 1094 "Signals from housing and lending booms" by I. Bunda and M. Ca'Zorzi, September 2009.
- 1095 "Memories of high inflation" by M. Ehrmann and P. Tzamourani, September 2009.
- 1096 "The determinants of bank capital structure" by R. Gropp and F. Heider, September 2009.
- 1097 "Monetary and fiscal policy aspects of indirect tax changes in a monetary union" by A. Lipińska and L. von Thadden, October 2009.
- 1098 "Gauging the effectiveness of quantitative forward guidance: evidence from three inflation targeters" by M. Andersson and B. Hofmann, October 2009.
- 1099 "Public and private sector wages interactions in a general equilibrium model" by G. Fernàndez de Córdoba, J.J. Pérez and J. L. Torres, October 2009.
- 1100 "Weak and strong cross section dependence and estimation of large panels" by A. Chudik, M. Hashem Pesaran and E. Tosetti, October 2009.
- 1101 "Fiscal variables and bond spreads evidence from Eastern European countries and Turkey" by C. Nickel, P. C. Rother and J. C. Rülke, October 2009.
- 1102 "Wage-setting behaviour in France: additional evidence from an ad-hoc survey" by J. Montornés and J.-B. Sauner-Leroy, October 2009.
- 1103 "Inter-industry wage differentials: how much does rent sharing matter?" by P. Du Caju, F. Rycx and I. Tojerow, October 2009.