

Hortas-Rico, Miriam; Onrubia, Jorge

Article

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Personal income and its distribution in Spanish municipalities

Miriam Hortas-Rico¹, Jorge Onrubia²

¹ Complutense University of Madrid, Madrid, Spain & GEN (Governance and Economic Research Network) (email: miriamhortas@ccee.ucm.es)

² Complutense University of Madrid, Madrid, Spain FEDEA & GEN (Governance and Economic Research Network) (email: jorge.onrubia@ccee.ucm.es)

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Abstract. This resource describes a data source for local personal income and its distribution in Spanish municipalities.

Key words: local income distribution, Personal Income Tax returns, income inequality, top incomes, Spanish municipalities

1 Description of the Resource

Local income data are an important economic indicator and widely used in a broad range of studies related to urban economics, fiscal federalism, housing, and spatial analysis, among others. In addition, aspects of income inequality and poverty at the local level are receiving increasing attention from researchers in these areas. Despite its importance, local income data remain a key missing element within the official statistics of many developed countries, with Spain being no exception. On one hand, the explanation lies in the complexity of designing surveys that are statistically reliable; on the other hand, it lies in the high cost of fieldwork, which requires carrying out a large number of interviews in all municipalities. As a result, most household income and expenditure surveys have a limited territorial representation, mainly at a regional or provincial level.

To address this lack of information, FEDEA presents a new database, “Local Personal Income and its distribution in Spain”, based on personal income tax (PIT) microdata provided by the Spanish Institute for Fiscal Studies in collaboration with the Spanish Tax Administration Office. These micro-level PIT samples are only representative at the provincial level and, therefore require implementing a reweighting procedure to derive a representative income sample at the municipal level (see [Hortas-Rico et al. 2014](#) for more details). The methodology relies on a distance function optimization-based approach for survey reweighting, which consists of adjusting the original micro-data sample weights in order to make them representative at the local level. Then, local income distributions and selected summary measures are derived.

The database comprises Spanish municipalities with a population of more than 5,000 inhabitants that belong to the Autonomous Communities and Cities of “Common” Tax Regime (i.e. excluding the Basque Country and Navarre). For computational reasons, the database starts in 2007. Nonetheless, the aim is to update it regularly, covering the period 2000–2011. The next database release, which will cover the years 2002 and 2009, will be

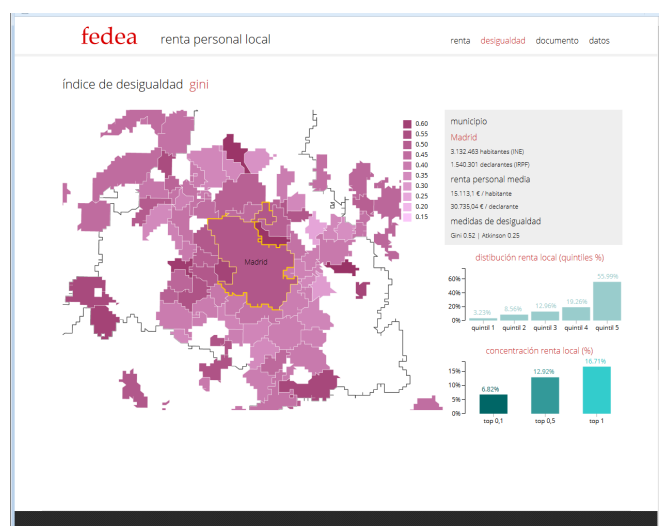


Figure 1: An example of a map presentation

fedea Distribución de la renta personal en los municipios españoles: estimación a partir de microdatos de IRPF								
Año 2007								
Municipios de más de 5.000 habitantes (1.109 observaciones)								
Elaboración: Miriam Hortas-Rico y Jorge Onrubia (2014) para fedea								
Información básica								
Código INE Comunidad Autónoma	Nombre Comunidad Autónoma	Código INE Provincia	Nombre Provincia	Código INE municipio	Código INE municipio (5 dígitos)	Nombre municipio	Número de observaciones muestrales	Población (INE)
01	Andalucía	04	Almería	4003	04003	Adra	970	23742
01	Andalucía	04	Almería	4006	04006	Albox	1136	11166
01	Andalucía	04	Almería	4013	04013	Almería	7131	288051
01	Andalucía	04	Almería	4028	04028	Beja	535	34508
01	Andalucía	04	Almería	4032	04032	Carboneras	292	7570
01	Andalucía	04	Almería	4035	04035	Cuevas del Almanzora	481	11649
01	Andalucía	04	Almería	4049	04049	Garrucha	266	7920
01	Andalucía	04	Almería	4052	04052	Huércal de Almería	637	12757
01	Andalucía	04	Almería	4053	04053	Huércal-Overa	16	16960
01	Andalucía	04	Almería	4062	04062	Maceo	205	6149
01	Andalucía	04	Almería	4064	04064	Mojácar	315	6507
01	Andalucía	04	Almería	4066	04066	Níjar	801	25287
01	Andalucía	04	Almería	4069	04069	Olvera del Río	242	6446
01	Andalucía	04	Almería	4079	04079	Rosquetes de Mar	973	71279
01	Andalucía	04	Almería	4100	04100	Vera	429	12256
01	Andalucía	04	Almería	4102	04102	Vícar	767	20743

Figure 2: An example of the data available

provided through the FEDEA website by the second half of 2015. For the years 2012 and onwards, information will be available as soon as official tax statistics are published.

For each year, the database provides unique data on personal income (per capita and per taxpayer income and median income) for each municipality. Information on local income distributions is summarized by means of quintiles. In addition, inequality measures (Gini and Atkinson 0.5 indexes), and a number of indicators of income concentration among top income earners are provided (top 1%, 0.5% and 0.1% income shares measures).

2 Resource link

- <http://www.fedea.net/renta/>

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