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Article

Employment Protection Legislation, Youth Unemployment and the Role of the Educational System

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Online-Appendix zu

„Employment Protection Legislation, Youth Unemployment and the Role of the Educational System“

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Appendix

Table 1: Descriptive Summary Statistics

Country	Dependent Variable 2: Level of youth unemployment	Dependent Variable 1: Youth-to-adult unemployment rate	Independent Variable 1a: EPL for regular contracts (0-6)	Independent Variable 1b: EPL for temporary contracts (0-6)	Independent Variable 2: Vocational Specificity (in %)
Australia	13.38 (2.66)	2.56 (0.24)	1.32 (0.18)	0.88 (0.00)	40.48 (3.67)
Austria	7.75 (2.16)	1.93 (0.36)	2.61 (0.19)	1.31 (0.00)	39.14 (2.47)
Belgium	19.60 (2.82)	2.76 (0.38)	1.88 (0.06)	3.38 (1.14)	53.55 (6.14)
Canada	14.00 (1.77)	2.00 (0.25)	0.92 (0.00)	0.25 (0.00)	0.62 (1.58)
Switzerland	6.60 (1.58)	2.05 (0.34)	1.60 (0.00)	1.13 (0.00)	34.90 (3.68)
Czech Republic	14.59 (4.56)	2.59 (0.32)	3.21 (0.14)	0.82 (0.38)	39.23 (2.54)
Germany	8.96 (2.40)	1.20 (0.22)	2.65 (0.04)	2.23 (1.11)	23.16 (3.98)
Denmark	10.12 (2.38)	1.84 (0.42)	2.16 (0.03)	1.74 (0.72)	28.18 (2.33)
Spain	33.73 (10.38)	2.37 (0.24)	2.75 (0.59)	3.32 (0.37)	19.61 (5.19)
Finland	18.50 (6.20)	2.64 (0.52)	2.39 (0.25)	1.42 (0.16)	30.90 (3.85)
France	22.33 (3.00)	2.71 (0.30)	2.39 (0.07)	3.51 (0.23)	23.55 (3.00)
United Kingdom	14.76 (3.22)	2.66 (0.78)	1.17 (0.08)	0.30 (0.06)	15.67 (5.71)
Greece	29.46 (8.72)	3.81 (0.90)	2.74 (0.21)	4.02 (1.03)	16.38 (1.83)
Hungary	18.97 (5.38)	2.55 (0.25)	1.99 (0.09)	0.84 (0.27)	21.42 (12.30)

Ireland	18.70 (7.86)	2.08 (0.42)	1.40 (0.07)	0.38 (0.18)	11.50 (4.50)
Italy	29.78 (4.76)	4.16 (0.70)	2.76 (0.02)	3.51 (1.37)	35.59 (8.61)
Japan	7.10 (2.00)	2.10 (0.18)	1.62 (0.15)	1.28 (0.40)	13.23 (0.87)
Korea	9.12 (2.11)	3.43 (0.60)	2.59 (0.32)	2.50 (0.50)	16.31 (3.65)
Mexico	7.34 (1.98)	2.50 (0.24)	2.19 (0.03)	3.92 (0.40)	14.26 (3.04)
Netherlands	10.89 (3.78)	2.25 (0.43)	2.92 (0.09)	1.15 (0.22)	45.52 (6.85)
Norway	10.02 (2.38)	3.61 (0.45)	2.33 (0.00)	3.03 (0.15)	31.28 (2.23)
New Zealand	13.55 (3.34)	3.03 (0.63)	1.40 (0.15)	0.71 (0.32)	10.43 (6.91)
Poland	30.01 (7.57)	2.71 (0.23)	2.23 (0.00)	1.15 (0.53)	38.38 (9.54)
Portugal	16.47 (7.62)	2.74 (0.43)	4.52 (0.40)	2.83 (0.56)	13.37 (7.91)
Slovak Republic	29.57 (6.08)	2.41 (0.24)	2.29 (0.21)	1.31 (0.38)	34.93 (2.49)
Sweden	15.86 (7.03)	3.25 (0.71)	2.70 (0.09)	2.07 (1.25)	31.73 (3.31)
Turkey	17.64 (2.86)	2.68 (0.42)	2.36 (0.04)	4.88 (0.00)	21.81 (3.26)
USA	12.68 (2.36)	2.63 (0.28)	0.26 (0.00)	0.25 (0.00)	0.00 (0.00)

Notes: Mean presented, Standard Deviations are reported in parentheses

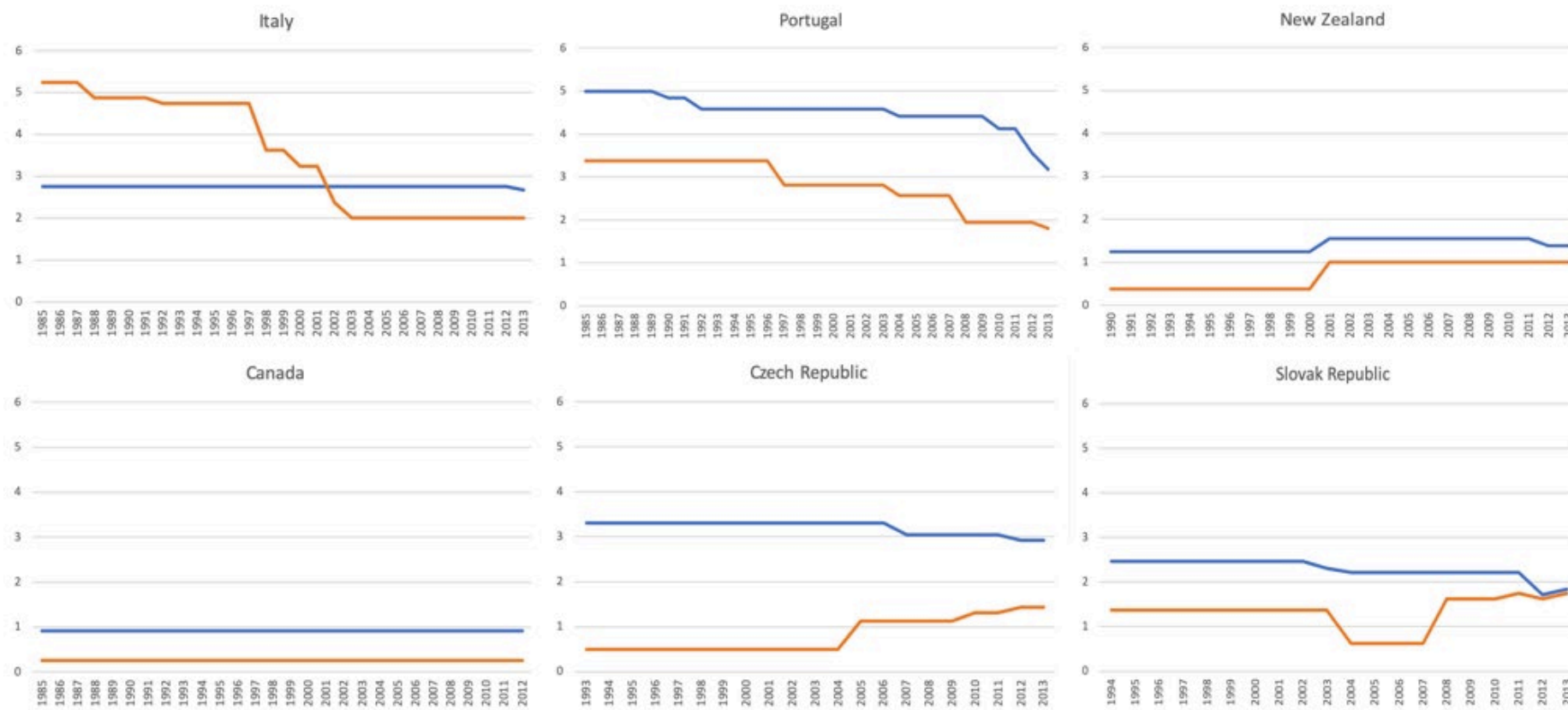


Figure 1: Trends in employment protection legislation across selected OECD countries 1985–2013

Notes: orange = EPL temporary; blue = EPL regular. Regarding New Zealand EPL indicators are only available from 1990 onwards. The same applies to the Czech Republic from 1993 onwards and to the Slovak Republic from 1994 onwards.

Comparing Employment Protection Legislation

My country selection of 28 OECD countries shows six different trends regarding the development of EPL: A partial deregulation, where regular EPL remains constant and only temporary EPL is deregulated, upward and downward trends for both types of EPL, no changes at all, a deregulation of regular contracts combined with a higher regulation of temporary contracts and lastly an initial deregulation with subsequent re-regulation of temporary contracts. Accordingly, the following Figure X shows how the two EPL types have developed from 1985 to 2013 – exemplarily illustrated with individual countries – with blue lines representing regular EPL and orange lines representing temporary EPL. Partial deregulation, where EPL on regular contracts remains high or stable and only temporary contracts are strongly deregulated, is particularly evident in Belgium, Denmark, Germany, Italy and Sweden. It can be seen as the dominant EPL reform pattern found across Western European and OECD countries. In Greece, Japan, Korea, Netherlands, Portugal and Spain restrictions on temporary contracts were also reduced, but so were restrictions on regular contracts. Particularly in Greece and Spain, a stronger trend towards deregulation can be seen after the economic crisis in 2011, as was the case in Portugal a year earlier. In some countries the regulation of temporary contracts was moderately increased over the period 1985 to 2013 (such as the Czech Republic, Finland, France, Hungary, Ireland, New Zealand, Poland and the UK). The EPL on temporary contracts remains largely unchanged in some liberal countries (Australia, Canada, USA) and in Austria, Mexico⁴, Switzerland and Turkey. A weak deregulation of temporary contracts, which is later reversed by a re-regulation can be observed in Norway, Poland and the Slovak Republic. With regard to the EPL for permanent contracts, it can be seen that deregulation took place to varying degrees in 14 countries (Austria, Czech Republic, Finland, Greece, Ireland, Japan, Korea, Netherlands, Portugal, Slovak Republic, Spain, Sweden, Turkey), it was slightly increased in six countries (Australia, Belgium, France, Germany, New Zealand, UK) and remained stable in eight countries (Canada, Denmark, Hungary, Italy, Mexico, Norway, Poland, USA).

⁴ However, there is a strong decline from 4.0 to 2.06 at the last measurement date in 2013.

Comparing Vocational Education and Training

Table 2: VET classification Hanushek et al. (2011)

Highly vocational countries: high share of participants in VET	Belgium, Finland, Norway, Sweden
Ducal vocational countries: having not only a high share of VET participation but also a high percentage of participants in combined school and work-based programs	Austria, Denmark, Germany, Netherlands, Switzerland
“non-firm vocational” countries: having some school-based VET in a system geared to- ward general education	Australia, France, Italy, Portugal, Spain
“non-school vocational” countries: having little or no VET but relying on in-firm appren- ticeship	Canada, Ireland, New Zealand, UK, USA

Note: Own table based on Hanushek et al. (2011)

Table 3: Robustness check: Country composition Model 1– DV: Level of youth unemployment

DV: Level of youth unemployment	EPL Regular	EPL Temporary	Vocational Specificity	GDP per capita	GINI	R-squared	N
Baseline: All 28 countries included	0.31 (1.30)	0.19 (1.06)	0.12 (0.09)	0.00** (0.00)	57.92 (33.78)	0.1515	627
Excluding:							
Australia (AUS)	0.28 (1.30)	0.19 (1.06)	0.12 (0.09)	0.00** (0.00)	58.00 (33.83)*	0,1518	625
Austria (AUT)	0.55 (1.39)	-0.01 (1.07)	0.14 (0.12)	0.00** (0.00)	60.09* (33.91)	0,1531	607
Belgium (BEL)	0.16 (1.46)	0.22 (1.12)	0.14 (0.12)	0.00** (0.00)	59.42 (37.19)	0,1494	604
Canada (CAN)	0.33 (1.32)	0.20 (1.06)	0.12 (0.09)	0.00** (0.00)	57.82* (33.77)	0,1499	613
Switzerland (CHE)	-0.02 (1.22)	0.19 (1.07)	0.13 (0.09)	0.00* (0.00)	56.38 (34.19)	0,1292	604
Czech Republic (CZE)	0.48 (1.45)	0.09 (1.11)	0.13 (0.09)	0.00** (0.00)	54.30 (35.04)	0,1529	606
Germany (DEU)	0.52 (1.43)	0.21 (1.10)	0.11 (0.09)	0.00** (0.00)	54.80 (34.53)	0,1443	604
Denmark (DNK)	0.17 (1.29)	0.32 (1.08)	0.12 (0.09)	0.00** (0.00)	50.22 (36.33)	0,1326	598
Spain (ESP)	-0.25 (1.00)	-0.06 (1.09)	0.15* (0.08)	0.00** (0.00)	50.66 (31.73)	0,147	598
Finland (FIN)	0.35 (1.31)	0.19 (1.09)	0.12 (0.09)	0.00** (0.00)	60.63* (34.49)	0.1607	598
France (FRA)	0.50 (1.29)	-0.22 (1.13)	0.14 (0.09)	0.00** (0.00)	66.33** (32.12)	0.1613	598
United Kingdom (GBR)	0.30 (1.33)	0.20 (1.08)	0.12 (0.09)	0.00** (0.00)	57.16 (34.28)	0.1490	598
Greece (GRC)	0.09 (1.19)	0.05 (1.18)	0.14 (0.09)	0.00** (0.00)	45.94 (32.42)	0.1308	598

Hungary (HUN)	0.33 (1.32)	0.14 (1.09)	0.12 (0.09)	0.00** (0.00)	58.19 (35.20)	0.1521	606
Ireland (IRL)	0.47 (1.28)	0.38 (1.05)	0.14 (0.09)	0.00** (0.00)	54.78 (33.92)	0.1625	605
Italy (ITA)	0.46 (1.29)	-0.42 (1.01)	0.10 (0.08)	0.00** (0.00)	66.26** (30.80)	0.1522	598
Japan (JPN)	0.15 (1.30)	0.20 (1.06)	0.11 (0.08)	0.00** (0.00)	57.36 (34.32)	0.1482	615
Korea (KOR)	0.58 (1.44)	0.24 (1.06)	0.97 (0.08)	0.00** (0.00)	55.93 (34.39)	0.1662	604
Mexico (MEX)	0.00 (1.39)	0.42 (1.05)	0.12 (0.09)	0.00** (0.00)	77.74** (35.30)	0.2210	611
Netherlands (NLD)	0.98 (1.41)	-0.33 (1.04)	0.17* (0.09)	0.00** (0.00)	68.74** (33.03)	0.1688	599
Norway (NOR)	0.16 (1.30)	0.44 (1.10)	0.12 (0.09)	0.00* (0.00)	51.36 (34.45)	0.1371	598
New Zealand (NZL)	0.26 (1.31)	0.17 (1.06)	0.12 (0.09)	0.00** (0.00)	57.72 (34.09)	0.1515	609
Poland (POL)	0.33 (1.24)	0.64 (1.00)	0.08 (0.08)	0.00* (0.00)	45.36 (33.00)	0.1275	605
Portugal (PRT)	1.58 (2.25)	0.02 (1.12)	0.08 (0.10)	0.00** (0.00)	59.59 (37.40)	0.1597	605
Slovak Republic (SVK)	0.40 (1.26)	0.39 (1.06)	0.09 (0.09)	0.00* (0.00)	56.70 (33.59)	0.1458	607
Sweden (SWE)	-0.09 (1.19)	0.50 (1.07)	0.12 (0.08)	0.00** (0.00)	52.51 (39.14)	0.1654	598
Turkey (TUR)	-0.14 (1.36)	0.61 (1.08)	0.14* (0.10)	0.00** (0.00)	81.37* (39.52)	0.2011	603
United States of America (USA)	0.18 (1.38)	0.18 (1.05)	0.12 (0.09)	0.00** (0.00)	57.69* (33.77)	0.1477	615

Country clustered robust standard errors are reported in parentheses. *** Significant at the 1% level. ** Significant at the 5% level. * Significant at the 10% level.

Table 4: Robustness check: Country composition Model 2– DV: Level of youth unemployment

DV: Level of youth unemployment	EPL Regular	EPL Temporary	Vocational Specificity	EPL Regular* Vocational Specificity	EPL Temporary* Vocational Specificity	GDP per capita	GINI	R-squared	N
Baseline: All 28 countries included	1.88 (2.68)	-2.44 (2.26)	-0.01 (0.22)	-0.01 (0.10)	0.09 (0.01)	0.00** (0.00)	68.30** (30.00)	0.1721	627
Excluding:									
Australia (AUS)	1.88 (2.68)	-2.43 (2.27)	-0.01 (0.24)	-0.01 (0.10)	0.09 (0.07)	0.00** (0.00)	68.28** (30.00)	0.1720	625
Austria (AUT)	1.80 (2.76)	-2.44 (2.30)	-0.02 (0.22)	0.00 (0.11)	0.09 (0.07)	0.00** (0.00)	70.23** (30.73)	0.1725	607
Belgium (BEL)	3.06 (2.62)	-3.97 (2.55)	0.11 (0.24)	-0.08 (0.11)	0.15* (0.08)	0.00** (0.00)	79.00** (33.01)	0.1856	604
Canada (CAN)	1.79 (2.69)	-2.51 (2.27)	-0.03 (0.24)	-0.01 (0.10)	0.10 (0.07)	0.00** (0.00)	68.15** (30.00)	0.1708	613
Switzerland (CHE)	1.92 (2.57)	-2.11 (2.26)	0.09 (0.23)	-0.04 (0.10)	0.08 (0.07)	0.00* (0.00)	64.08** (30.47)	0.1446	604
Czech Republic (CZE)	1.62 (2.71)	-2.27 (2.23)	-0.03 (0.23)	0.00 (0.11)	0.09 (0.07)	0.00** (0.00)	65.42** (30.30)	0.1709	606
Germany (DEU)	2.31 (3.05)	-2.63 (2.34)	-0.03 (0.22)	-0.02 (0.10)	0.10 (0.07)	0.00* (0.00)	66.18** (30.63)	0.1683	604
Denmark (DNK)	1.84 (2.66)	-2.24 (2.22)	0.01 (0.23)	-0.02 (0.10)	0.09 (0.07)	0.00** (0.00)	61.16* (32.65)	0.1518	598
Spain (ESP)	1.88 (2.07)	-2.93 (2.37)	0.06 (0.23)	-0.04 (0.09)	0.10 (0.08)	0.00** (0.00)	61.07** (27.74)	0.1749	598
Finland (FIN)	1.83 (2.69)	-2.55 (2.27)	-0.05 (0.22)	0.00 (0.10)	0.10 (0.07)	0.00** (0.00)	72.42** (30.35)	0.1844	598
France (FRA)	2.39 (2.69)	-3.33 (2.38)	-0.01 (0.22)	-0.02 (0.10)	0.11 (0.07)	0.00** (0.00)	79.54** (26.36)	0.1886	598

United Kingdom (GBR)	1.87 (2.67)	-2.40 (2.27)	-0.01 (0.23)	-0.02 (0.10)	0.09 (0.07)	0.00** (0.00)	67.15** (30.48)	0.1690	598
Greece (GRC)	2.34 (2.37)	-3.66 (2.47)	-0.02 (0.22)	-0.03 (0.10)	0.13 (0.073)	0.00** (0.00)	58.94** (28.12)	0.1694	598
Hungary (HUN)	2.16 (2.89)	-2.73 (2.33)	-0.02 (0.23)	-0.02 (0.10)	0.10 (0.07)	0.00 (0.00)	62.96** (27.42)	0.1752	606
Ireland (IRL)	1.74 (2.63)	-1.98 (2.23)	0.00 (0.22)	-0.01 (0.10)	0.08 (0.07)	0.00** (0.00)	64.49** (30.15)	0.1790	605
Italy (ITA)	1.81 (2.50)	-1.51 (2.14)	0.14 (0.22)	-0.05 (0.09)	0.04 (0.06)	0.00** (0.00)	68.14** (28.75)	0.1569	598
Japan (JPN)	1.69 (2.71)	-2.29 (2.27)	-0.01 (0.23)	-0.02 (0.10)	0.09 (0.07)	0.00** (0.00)	67.25** (30.38)	0.1671	615
Korea (KOR)	2.33 (3.14)	-2.34 (2.32)	-0.01 (0.22)	-0.03 (0.10)	0.09 (0.07)	0.00** (0.00)	65.61** (30.23)	0.1860	604
Mexico (MEX)	0.49 (2.66)	-0.79 (2.11)	0.02 (0.22)	0.01 (0.10)	0.04 (0.07)	0.00** (0.00)	82.14** (33.73)	0.2257	611
Netherlands (NLD)	0.66 (2.58)	-2.24 (2.33)	-0.13 (0.21)	0.08 (0.10)	0.07 (0.07)	0.00** (0.00)	81.85* (31.48)	0.1925	599
Norway (NOR)	1.73 (2.66)	-2.18 (2.24)	-0.02 (0.24)	-0.01 (0.10)	0.09 (0.07)	0.00** (0.00)	61.92 (30.55)	0.1585	598
New Zealand (NZL)	1.88 (2.69)	-2.51 (2.27)	-0.01 (0.22)	-0.02 (0.10)	0.09 (0.07)	0.00** (0.00)	68.15** (30.21)	0.1723	609
Poland (POL)	1.75 (2.56)	-2.28 (2.11)	-0.14 (0.21)	0.01 (0.09)	0.11 (0.07)	0.00 (0.00)	57.02* (28.50)	0.1582	605
Portugal (PRT)	7.40 (4.38)	-4.58* (2.57)	0.05 (0.22)	-0.12 (0.11)	0.15* (0.08)	0.00** (0.00)	77.47** (32.00)	0.2023	605
Slovak Republic (SVK)	1.70 (2.57)	-2.33 (2.19)	-0.10 (0.22)	0.01 (0.09)	0.10 (0.07)	0.00 (0.00)	68.48** (29.51)	0.1720	607
Sweden (SWE)	1.55 (2.51)	-2.31 (2.21)	-0.03 (0.22)	-0.01 (0.10)	0.10 (0.07)	0.00** (0.00)	62.69* (34.24)	0.1903	598

Turkey (TUR)	0.88 (3.10)	-1.68 (2.86)	-0.02 (0.21)	0.01 (0.11)	0.08 (0.08)	0.00** (0.00)	90.06** (35.47)	0.2176	603
United States of America (USA)	1.28 (2.91)	-2.45 (2.23)	-0.07 (0.25)	0.01 (0.11)	0.09 (0.070)	0.00** (0.00)	69.00** (30.31)	0.1700	615

Country clustered robust standard errors are reported in parentheses. *** Significant at the 1% level. ** Significant at the 5% level. * Significant at the 10% level

Table 5: Robustness check: Country composition – DV: Youth-to-adult unemployment ratio

DV: Youth-to-adult unemployment ratio	EPL Regular	EPL Temporary	Vocational Specificity	GDP per capita	Overall Unem- ployment	GINI	R-squared	N
Baseline: All 28 countries included	0.05 (0.11)	0.22** (0.10)	0.00 (0.01)	4.92e-06 (4.66e-06)	-0.03 (0.02)	1.31 (2.87)	0.2008	627
Excluding:								
Australia (AUS)	0.05 (0.11)	0.02** (0.10)	0.00 (0.01)	4.92e-06 (4.67e-06)	-0.03 (0.02)	1.31 (2.87)	0.2005	625
Austria (AUT)	0.07 (0.11)	0.20** (0.10)	0.00 (0.01)	5.17e-06 (4.68e-06)	-0.03* (0.02)	1.54 (2.85)	0.2048	607
Belgium (BEL)	0.03 (0.12)	0.24** (0.10)	0.00 (0.01)	4.40e-06 (4.79e-06)	-0.03 (0.02)	0.99 (3.01)	0.2061	604
Canada (CAN)	0.04 (0.11)	0.21** (0.10)	0.00 (0.01)	4.72e-06 (4.73e-06)	-0.03 (0.02)	1.20 (2.88)	0.1834	613
Switzerland (CHE)	0.02 (0.10)	0.22** (0.10)	0.00 (0.01)	6.95e-06 (4.67e-06)	-0.03* (0.02)	1.31 (2.90)	0.2105	604
Czech Republic (CZE)	0.04 (0.11)	0.22** (0.10)	0.00 (0.01)	5.74e-06 (4.60e-06)	-0.03 (0.02)	1.60 (3.06)	0.2040	606
Germany (DEU)	0.11 (0.12)	0.22** (0.10)	0.00 (0.01)	6.68e-06 (4.36e-06)	-0.03 (0.02)	0.55 (2.95)	0.2381	604
Denmark (DNK)	0.02 (0.10)	0.25** (0.09)	0.00 (0.01)	4.82e-06 (5.02e-06)	-0.03* (0.02)	-0.68 (2.46)	0.2164	598
Spain (ESP)	0.06 (0.12)	0.23** (0.10)	0.00 (0.01)	5.74e-06 (4.78e-06)	-0.03 (0.02)	1.21 (2.92)	0.2068	598
Finland (FIN)	0.05 (0.11)	0.22** (0.10)	0.00 (0.01)	4.61e-06 (4.84e-06)	-0.03 (0.02)	1.38 (3.04)	0.2001	598
France (FRA)	0.04 (0.11)	0.23** (0.11)	0.00 (0.01)	5.15e-06 (4.84e-06)	-0.03 (0.02)	0.96 (3.13)	0.2048	598

United Kingdom (GBR)	0.07 (0.11)	0.24** (0.10)	0.00 (0.01)	3.76e-06 (4.69e-06)	-0.03 (0.02)	0.78 (2.84)	0.2137	598
Greece (GRC)	0.04 (0.10)	0.17* (0.10)	0.00 (0.01)	5.42e-06 (4.60e-06)	-0.03 (0.02)	0.80 (2.65)	0.1580	598
Hungary (HUN)	0.05 (0.11)	0.22** (0.10)	0.00 (0.01)	5.35e-06 (4.81e-06)	-0.03 (0.02)	1.11 (2.93)	0.2029	606
Ireland (IRL)	0.05 (0.11)	0.21** (0.10)	0.00 (0.01)	4.58e-06 (4.96e-06)	-0.03 (0.02)	1.24 (2.87)	0.1782	605
Italy (ITA)	0.07 (0.10)	0.14* (0.10)	0.00 (0.01)	5.13e-06 (4.74e-06)	-0.03** (0.02)	2.44 (2.59)	0.1793	598
Japan (JPN)	0.04 (0.11)	0.21** (0.10)	0.00 (0.01)	4.86e-06 (4.69e-06)	-0.03* (0.02)	1.41 (2.93)	0.2036	615
Korea (KOR)	0.03 (0.10)	0.21** (0.10)	0.00 (0.01)	6.42e-06 (4.45e-06)	-0.02 (0.02)	1.36 (2.77)	0.1934	604
Mexico (MEX)	0.04 (0.12)	0.23** (0.10)	0.00 (0.01)	3.50e-06 (4.88e-06)	-0.04 (0.02)	2.50 (3.20)	0.2281	611
Netherlands (NLD)	0.08 (0.12)	0.19* (0.10)	0.00 (0.01)	4.23e-06 (4.67e-06)	-0.03* (0.02)	1.67 (2.89)	0.2031	599
Norway (NOR)	0.06 (0.11)	0.18* (0.10)	0.00 (0.01)	2.79e-06 (5.80e-06)	-0.02 (0.02)	1.87 (2.87)	0.1706	598
New Zealand (NZL)	0.07 (0.11)	0.23** (0.10)	0.00 (0.01)	5.06e-06 (4.72e-06)	-0.03 (0.02)	1.06 (2.84)	0.2123	609
Poland (POL)	0.06 (0.11)	0.24** (0.10)	0.00 (0.01)	6.23e-06 (4.65e-06)	-0.03* (0.02)	0.78 (2.91)	0.2127	605
Portugal (PRT)	0.14 (0.19)	0.19* (0.10)	0.00 (0.01)	5.41e-06 (4.60e-06)	-0.03* (0.02)	2.01 (2.96)	0.2079	605
Slovak Republic (SVK)	0.05 (0.11)	0.22** (0.10)	0.00 (0.01)	5.21e-06 (4.71e-06)	-0.03* (0.02)	1.36 (2.88)	0.2001	607
Sweden (SWE)	0.01 (0.10)	0.23** (0.11)	0.00 (0.01)	2.29e-06 (4.39e-06)	-0.03* (0.02)	1.67 (3.51)	0.2186	598
Turkey (TUR)	0.02 (0.12)	0.25** (0.10)	0.00 (0.01)	3.71e-06 (5.19e-06)	-0.03 (0.02)	3.02 (3.25)	0.2383	603

United States of America (USA)	0.08 (0.12)	0.22** (0.10)	0.00 (0.01)	5.18e-06 (4.63e-06)	-0.03 (0.02)	1.33 (2.84)	0.2051	615
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Country clustered robust standard errors are reported in parentheses. *** Significant at the 1% level. ** Significant at the 5% level. * Significant at the 10% level

Table 6: Robustness check: Country composition – DV: Youth-to-adult unemployment ratio

DV: Youth-to-adult unemployment ratio	EPL Regular	EPL Temporary	Vocational Specificity	EPL regular* Vocational Specificity	EPL temporary* Vocational Specificity	GDP per capita	Overall unem- ployment	GINI	R- squared	N
Baseline: All 28 countries included	0.08 (0.18)	0.09 (0.23)	-0.01 (0.02)	0.00 (0.01)	0.00 (0.01)	5.24e-06 (4.55e-06)	-0.03* (0.02)	1.99 (2.67)	0.2093	627
Excluding:										
Australia (AUS)	0.07 (0.18)	0.09 (0.23)	-0.01 (0.02)	0.00 (0.01)	0.00 (0.01)	5.32e-06 (4.58e-06)	-0.03* (0.02)	2.01 (2.68)	0.2092	625
Austria (AUT)	0.07 (0.19)	0.09 (0.24)	-0.01 (0.02)	0.00 (0.01)	0.00 (0.01)	5.61e-06 (4.51e-06)	-0.03 (0.02)	2.21 (2.72)	0.2138	607
Belgium (BEL)	0.16 (0.21)	-0.021 (0.29)	-0.01 (0.02)	0.00 (0.01)	0.001 (0.01)	3.96e-06 (4.68e-06)	-0.03** (0.02)	2.40 (2.98)	0.2261	604
Canada (CAN)	0.04 (0.17)	0.06 (0.24)	-0.02 (0.02)	0.00 (0.01)	0.01 (0.01)	5.19e-06 (4.64e-06)	-0.03* (0.02)	2.02 (2.68)	0.1966	613
Switzerland (CHE)	0.08 (0.18)	0.13 (0.24)	0.00 (0.02)	0.00 (0.01)	0.00 (0.01)	6.76e-06 (4.61e-06)	-0.03** (0.02)	1.69 (2.80)	0.2136	604
Czech Republic (CZE)	0.10 (0.18)	0.08 (0.23)	-0.01 (0.02)	0.00 (0.01)	0.01 (0.01)	5.99e-06 (4.57e-06)	-0.03 (0.02)	2.32 (2.76)	0.2127	606
Germany (DEU)	0.17 (0.22)	0.06 (0.25)	-0.01 (0.02)	0.00 (0.01)	0.01 (0.01)	6.99e-06 (4.22e-06)	-0.03* (0.02)	1.38 (2.87)	0.2520	604
Denmark (DNK)	0.07 (0.18)	0.15 (0.22)	0.00 (0.02)	0.00 (0.01)	0.00 (0.01)	4.85e-06 (4.84e-06)	-0.03* (0.02)	-0.19 (2.06)	0.2203	598
Spain (ESP)	0.07 (0.19)	0.13 (0.24)	-0.01 (0.02)	0.00 (0.01)	0.00 (0.01)	6.07e-06 (4.67e-06)	-0.02 (0.02)	1.83 (2.77)	0.2136	598
Finland (FIN)	0.07 (0.18)	0.09 (0.23)	-0.01 (0.02)	0.00 (0.01)	0.00 (0.01)	4.92e-06 (4.71e-06)	-0.03* (0.02)	2.13 (2.84)	0.2092	598
France (FRA)	0.06 (0.19)	0.12 (0.25)	-0.01 (0.02)	0.00 (0.01)	0.00 (0.01)	5.41e-06 (4.71e-06)	-0.03* (0.02)	1.67 (2.97)	0.2122	598

United Kingdom (GBR)	0.06 (0.18)	0.12 (0.23)	-0.01 (0.02)	0.00 (0.01)	0.00 (0.01)	4.31e-06 (4.69e-06)	-0.03* (0.02)	1.49 (2.66)	0.2241	598
Greece (GRC)	0.18 (0.15)	-0.12 (0.17)	0.00 (0.02)	0.00 (0.01)	0.01 (0.01)	5.61e-06 (4.66e-06)	-0.03* (0.02)	2.02 (2.48)	0.1934	598
Hungary (HUN)	0.06 (0.18)	0.11 (0.24)	-0.01 (0.02)	0.00 (0.01)	0.00 (0.01)	5.75e-06 (4.70e-06)	-0.03* (0.02)	1.78 (2.72)	0.2111	606
Ireland (IRL)	0.08 (0.19)	0.07 (0.24)	-0.01 (0.02)	0.00 (0.01)	0.01 (0.01)	4.83e-06 (4.81e-06)	-0.03* (0.02)	1.96 (2.67)	0.1883	605
Italy (ITA)	0.07 (0.17)	0.21 (0.22)	-0.01 (0.02)	0.00 (0.01)	0.00 (0.01)	4.89e-06 (4.62e-06)	-0.03** (0.02)	2.07 (2.57)	0.1832	598
Japan (JPN)	0.07 (0.19)	0.09 (0.23)	-0.01 (0.02)	0.00 (0.01)	0.00 (0.01)	5.19e-06 (4.57e-06)	-0.04** (0.02)	2.09 (2.73)	0.2118	615
Korea (KOR)	0.03 (0.16)	0.10 (0.23)	-0.01 (0.02)	0.00 (0.01)	0.00 (0.01)	6.86e-06 (4.28e-06)	-0.02 (0.02)	2.04 (2.57)	0.2027	604
Mexico (MEX)	0.01 (0.21)	0.17 (0.25)	-0.01 (0.02)	0.00 (0.01)	0.00 (0.01)	4.01e-06 (4.77e-06)	-0.04** (0.02)	2.88 (3.03)	0.2321	611
Netherlands (NLD)	-0.01 (0.17)	0.11 (0.23)	-0.01 (0.02)	0.01 (0.01)	0.00 (0.01)	5.29e-06 (4.66e-06)	-0.04** (0.02)	2.66 (2.93)	0.2183	599
Norway (NOR)	0.09 (0.18)	0.07 (0.23)	-0.01 (0.02)	0.00 (0.01)	0.00 (0.01)	3.26e-06 (5.90e-06)	-0.03* (0.02)	2.51 (2.61)	0.1785	598
New Zealand (NZL)	0.07 (0.18)	0.12 (0.23)	-0.01 (0.02)	0.00 (0.01)	0.00 (0.01)	5.44e-06 (4.63e-06)	-0.03* (0.02)	1.72 (2.65)	0.2206	609
Poland (POL)	0.08 (0.18)	0.09 (0.23)	-0.01 (0.02)	0.00 (0.01)	0.01 (0.01)	6.99e-06 (4.46e-06)	-0.04** (0.02)	1.56 (2.69)	0.2260	605
Portugal (PRT)	0.30 (0.44)	-0.04 (0.28)	-0.02 (0.02)	0.00 (0.01)	0.01 (0.01)	5.84e-06 (4.38e-06)	-0.03** (0.02)	3.42 (2.57)	0.2266	605
Slovak Republic (SVK)	0.07 (0.18)	0.09 (0.23)	-0.01 (0.02)	0.00 (0.01)	0.00 (0.01)	5.68e-06 (4.62e-06)	-0.04** (0.02)	2.09 (2.68)	0.2099	607
Sweden (SWE)	0.05 (0.18)	0.09 (0.23)	-0.01 (0.02)	0.00 (0.01)	0.00 (0.01)	2.46e-06 (4.21e-06)	-0.03** (0.02)	2.29 (3.15)	0.2283	598
Turkey (TUR)	-0.03 (0.20)	0.19 (0.24)	-0.01 (0.02)	0.00 (0.01)	0.00 (0.01)	4.26e-06 (4.98e-06)	-0.03 (0.02)	3.55 (3.12)	0.2445	603

United States of America (USA)	0.13 (0.21)	0.10 (0.24)	-0.01 (0.02)	0.00 (0.01)	0.00 (0.01)	5.21e-06 (4.55e-06)	-0.03 (0.02)	1.90 (2.69)	0.2111	615
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Country clustered robust standard errors are reported in parentheses. *** Significant at the 1% level. ** Significant at the 5% level. * Significant at the 10% level