

## APPENDIX

### A1: Description of the outcome variable

	Youth unemployment is a major problem in [country].							
	Strongly Disagree	Disagree	Neither agree nor disagree	Agree	Strongly Agree	Total	Mean	Unweighted Count
Austria	1%	8%	14%	53%	24%	100%	3,90	1684
Czech Republic	3%	19%	19%	41%	18%	100%	3,51	1214
Denmark	3%	22%	24%	37%	13%	100%	3,35	1142
Germany	2%	16%	17%	43%	22%	100%	3,66	3279
Greece	0%	0%	2%	14%	84%	100%	4,80	1538
Hungary	1%	4%	4%	41%	50%	100%	4,35	1295
Italy	0%	1%	3%	28%	68%	100%	4,62	1008
Spain	1%	1%	3%	17%	78%	100%	4,71	1826
Switzerland	2%	29%	17%	39%	12%	100%	3,30	1002
Turkey	7%	4%	9%	29%	51%	100%	4,13	3016
United Kingdom	1%	7%	14%	56%	22%	100%	3,93	3004

## A2: Descriptives for focal explanatory variables

### Hypothesis 1a

	N	Minimum	Maximum	Mean	Std. Deviation
Employment status last month: in paid work as an employee	20008	0	1	.57	.495
Employment status last month: self-employed	20008	0	1	.08	.278
Employment status last month: unemployed/not having a job/not in paid work	20008	0	1	.13	.335
Employment status last month: in education (not paid for by employer)	20008	0	1	.25	.432
Employment status last month: doing an internship/in training	20008	0	1	.05	.208
Employment status last month: unable to work because of health issues	20008	0	1	.02	.141
Employment status last month: doing civil service or compulsory military service	20008	0	1	.01	.078
Employment status last month: on parental leave	20008	0	1	.03	.177
Employment status last month: doing housework, looking after children or other	20008	0	1	.09	.282
Employment status last month: other	20008	0	1	.03	.181

### Hypothesis 1b

	Parents' employment situation when the respondent was aged 14:	
	MOTHER	FATHER
NA	4%	10%
DK	2%	3%
In paid work as an employee	43%	44%
Self-employed	7%	15%
Unemployed	6%	4%
Unable to work because of health problems	4%	3%
Doing housework, looking after children or other dependents	21%	1%
Retired	13%	21%
Total	100%	100%

### Hypothesis 1c

	N	Minimum	Maximum	Mean	Std. Deviation
How many friends are: Employed	19991	1	5	3.30	1.025
How many friends are: Unemployed	19982	1	5	2.18	1.003
How many friends are: Running own business	19966	1	5	1.65	.763
How many friends are: In education/training	19960	1	5	2.42	1.126

### Hypothesis H2a

	N	Minimum	Maximum	Mean	Std. Deviation
Country NEETs rate	20008	7.30	27.90	15.7576	7.27654
Country unemployment	20008	4.40	25.00	9.4627	6.68303

### Hypothesis H2b

	N	Minimum	Maximum	Mean	Std. Deviation
Regional NEETs rate	19926	4.90	44.00	15.5254	7.93880
Regional unemployment	19926	2.50	31.50	9.6616	7.30332

### Hypothesis 3

		Frequency	Percent
Rural/intermediate/urban typology	Predominantly urban	10584	52.9
	Intermediate	7449	37.2
	Predominantly rural	1893	9.5
	Total	19926	99.6
Missing		82	.4
Total		20008	100.0

### A3: Descriptives for control variables

#### Country & regional level

	N	Minimum	Maximum	Mean	Std. Deviation
Country GDP/inhabitant (in thousands; purchasing power standard)	20008	18.59	47.46	31.4621	7.34260
Regional GDP (in thousands; purchasing power standard/inhabitant)	19926	7.80	167.50	28.6692	13.12440

#### Individual traits

	N	Minimum	Maximum	Mean	Std. Deviation
Age	20006	18	35	26.82	5.065
Education	19888	1	7	4.78	1.782
had a paid job for one year or more	20005	0	1	.68	.468
Financial situation: I could afford extras for myself (over last 6 months)	19615	1	4	2.60	1.015
Do you have regular caring responsibilities?	19997	0	1	.29	.452
Do you have children?	19989	0	1	.22	.417
Migrant	19923	0	1	.06	.242
Ethnic minority	19545	0	1	.92	.271
Ready to take risks	19985	0	10	5.32	2.399
Health satisfaction	19972	1	4	2.62	.800
Inter-personal trust	20004	0	10	4.87	2.403

		Frequency	Valid Percent
<b>Current legal marital status</b>	Married	4772	24.2
	In a legally registered civil partnership	651	3.3
	Separated	184	.9
	Divorced/Civil partnership dissolved	356	1.8
	Widowed/partner has died	67	.3
	Single	12568	63.6
	None of the above	1158	5.9
	Total	19756	100.0

		Frequency	Percent
<b>Gender</b>	Male	9478	47.4
	Female	10530	52.6
	Total	20008	100.0

		Frequency	Valid Percent
<b>How many hours per week involved in voluntary associations</b>	Less than 1 hour	3556	17.8
	1-3 hours	3578	17.9

	4-7 hours	1756	8.8
	8+ hours	738	3.7
	I am not active in any organization	10324	51.7
	Total	19952	100.0

#### A4: Multilevel analysis: testing the hypotheses

	m1	m2	m3	m4	m1PAR	m2PAR	m3PAR	m4PAR
Had a paid job for one year or more	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02	-0.02
Employment status last month:								
• in paid work as an employee	0.07***	0.07***	0.07***	0.07***	0.07***	0.07***	0.07***	0.07***
• self-employed	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
• unemployed/not having a job	0.04	0.04	0.04	0.04	0.07 <sup>†</sup>	0.07 <sup>†</sup>	0.07 <sup>†</sup>	0.07 <sup>†</sup>
• in education (not paid for by employer)	-0.01	-0.01	-0.01	-0.01	-0.00	-0.00	-0.00	-0.00
• doing an internship/in training	-0.04	-0.04	-0.04	-0.04	-0.06	-0.06	-0.06	-0.06
• unable to work because of health issues	-0.05	-0.05	-0.05	-0.05	-0.09	-0.09	-0.08	-0.09
• doing civil service/ military service	-0.35*	-0.35*	-0.35*	-0.35*	-0.10	-0.10	-0.10	-0.10
• on parental leave	0.11**	0.11**	0.11**	0.11**	0.15**	0.15**	0.15**	0.15**
• doing housework. looking after children	-0.08	-0.08	-0.08	-0.08	-0.09	-0.09	-0.09	-0.09
• other	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05
Employed	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01
Unemployed	0.16***	0.16***	0.16***	0.16***	0.16***	0.16***	0.16***	0.16***
Running own business	-0.03*	-0.03*	-0.03*	-0.03*	-0.04**	-0.04**	-0.04**	-0.04**
In education/training	-0.06**	-0.05**	-0.05**	-0.06**	-0.04*	-0.04*	-0.04*	-0.04*
Regional unemployment	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01
Regional NEETs rate	0.01*	0.01 <sup>†</sup>	0.01*	0.01*	0.00	0.00	0.00	0.01 <sup>†</sup>
Regional GDP (thou PPS/inhabitant)	0.00	0.00	0.00	0.00	-0.00	-0.00	-0.00	-0.00
Ruralisation								
• Predominantly urban	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
• Intermediate	0.01	-0.04	0.02	-0.03	0.02	-0.04	0.03	-0.03
• Predominantly rural	-0.03	-0.09	-0.09	-0.08	-0.06	-0.15 <sup>†</sup>	-0.14	-0.14
Country unemployment	0.01***	0.01	0.01*	0.01	0.01**	0.01	0.01*	0.00
Country NEETs rate	0.04***	0.04***	0.04***	0.03***	0.04***	0.04***	0.04***	0.04***

	m1	m2	m3	m4	m1PAR	m2PAR	m3PAR	m4PAR
interactions	Country GDP/inhabitant (thou PPS)	0.01***	0.01**	0.01**	0.01***	0.01***	0.01***	0.01***
	Predominantly urban * Country unemployment		0.00		0.00		0.00	0.00
	Intermediate * Country unemployment		0.01		0.02		0.01	0.02
	Predominantly rural * Country unemployment		0.01		-0.02		0.01	-0.01
	Predominantly urban * Regional unemployment			0.00	0.00			0.00
	Intermediate * Regional unemployment			-0.00	-0.01			-0.00
	Predominantly rural * Regional unemployment			0.01	0.02			0.01
Constant	2.95***	2.93***	2.89***	2.94***	2.80***	2.76***	2.73***	2.77***
variance: Country	0.00	0.00	0.00***	0.00***	0.00	0.00	0.00	0.00
variance: Region	0.03***	0.03***	0.03***	0.03***	0.03***	0.03***	0.03***	0.03***
variance: Residual	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
controls for socio-economic status	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
controls for personal values	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
controls for parental traits	No	No	No	No	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>
controls for survey mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Respondents	18258	18258	18258	18258	15220	15220	15220	15220
Regions (NUTS2)	184	184	184	184	184	184	184	184
Countries	11	11	11	11	11	11	11	11
AIC	48080	48079	48079	48073	40285	40282	40283	40278
BIC	48166	48164	48165	48159	40369	40366	40367	40362
-2LL	-24029	-24028	-24028	-24025	-20131	-20130	-20131	-20128

†  $p < 0.10$ . \*  $p < 0.05$ . \*\*  $p < 0.01$ . \*\*\*  $p < 0.001$ .

### A5: Additional results from multilevel models: Impacts of parental employment

		<b>m1PAR</b>	<b>m2PAR</b>	<b>m3PAR</b>	<b>m4PAR</b>
Mother. when respondent was aged 14	In paid work as an employee	0.00	0.00	0.00	0.00
	Self-employed	0.04	0.04	0.04	0.04
	Unemployed	0.06*	0.06*	0.06*	0.06*
	Unable to work because of health problems	0.01	0.01	0.01	0.01
	Looking after the home. looking after children or other dependents	0.00	0.00	0.00	0.00
	Retired	-0.14	-0.14	-0.14	-0.14
Father. when respondent was aged 14	In paid work as an employee	0.00	0.00	0.00	0.00
	Self-employed	-0.05*	-0.05*	-0.05*	-0.05*
	Unemployed	-0.12**	-0.12**	-0.11**	-0.11**
	Unable to work because of health problems	-0.10	-0.10	-0.10	-0.10
	Looking after the home. looking after children or other dependents	-0.06	-0.06	-0.06	-0.06
	Retired	-0.05	-0.05	-0.05	-0.05