

Table 1 – Summary education statistics (highest qualification)

Highest qualification	French natives	North African	Sub-Saharan	Turkish	Asian	Northern European	Southern European	Eastern European
(1) No qualifications	11.57%	18.12%	11.78%	21.88%	10.40%	10,61%	17.22%	19.22%
(2) Junior high school	8.19%	8.92%	8.45%	7.89%	8.75%	3,60%	9.12%	9.53%
(3) Vocat. high school	40.95%	41.94%	37.94%	50.98%	26.79%	35,16%	42.01%	37.99%
(4) High school	6.07%	5.58%	4.80%	0.90%	8.00%	18,12%	4.61%	4.91%
(5) College	14.06%	12.14%	16.91%	7.04%	15.53%	8,15%	13.99%	16.07%
(6) University	19.16%	13.31%	20.12%	11.31%	30.53%	24,36%	13.05%	12.27%

Table 2 – Education Regressions

Models	Qualification: ordered probit		Schooling failure: probit	
	(1)	(2)	(3)	(4)
Age	0.0646*** (0.0165)	0.0898*** (0.0160)	-0.0151** (0.00613)	-0.0187*** (0.00532)
Age-squared	-0.0102*** (0.00220)	-0.0120*** (0.00212)	0.00271*** (0.000768)	0.00276*** (0.000669)
Female	0.0823* (0.0447)	0.136*** (0.0454)	-0.0217 (0.0169)	-0.0308** (0.0153)
French native	Ref.	Ref.	Ref.	Ref.
Northern African	-0.374*** (0.0453)	0.312*** (0.0643)	0.110*** (0.0173)	-0.0426* (0.0225)
Sub-Saharan African	-0.104 (0.0799)	0.398*** (0.0940)	0.0578** (0.0291)	-0.0724** (0.0320)
Turkish	-0.552*** (0.105)	0.0532 (0.119)	0.155*** (0.0379)	0.0159 (0.0397)
Asian	0.133 (0.106)	0.532*** (0.103)	0.0382 (0.0397)	-0.0588 (0.0388)
Southern European	-0.296*** (0.0502)	0.162*** (0.0593)	0.0611*** (0.0207)	-0.0189 (0.0212)
Northern European	0.202 (0.131)	0.479*** (0.152)	-0.114** (0.0574)	-0.163*** (0.0519)
Eastern European	-0.169 (0.173)	0.245 (0.187)	0.0142 (0.0649)	-0.0712 (0.0605)
Mixed origin	0.0353 (0.0559)	-0.264*** (0.0620)	0.0342* (0.0208)	0.0838*** (0.0200)
Family Background				
Public education		Ref.		Ref.
Public and private education		-0.0219 (0.0521)		-0.0299 (0.0187)
Private education		0.150* (0.0826)		-0.0888*** (0.0332)
Separate room		0.204*** (0.0579)		-0.0433** (0.0182)
Father's education		0.116*** (0.0144)		-0.0196*** (0.00499)
Mother's education		0.107*** (0.0158)		-0.0287*** (0.00589)
Mother's occupation				
Worker		Ref.		Ref.
None or missing		0.0250 (0.0808)		0.0137 (0.0253)
Farmer		0.0218 (0.138)		-0.0157 (0.0438)
Entrepreneur		0.162 (0.136)		0.0103 (0.0416)
Intellectual occupation		0.677*** (0.139)		-0.102* (0.0596)
Middle-level occupation		0.209* (0.115)		0.0255 (0.0408)
Employee		0.147** (0.0676)		-0.0436* (0.0229)
Father's occupation				
Worker		Ref.		Ref.
None or missing		0.0987 (0.0883)		-0.0346 (0.0331)
Farmer		0.147 (0.107)		0.0131 (0.0338)
Entrepreneur		0.289*** (0.0991)		-0.00926 (0.0344)
Intellectual occupation		0.233** (0.110)		0.0126 (0.0465)
Middle-level occupation		0.405*** (0.0854)		-0.0160 (0.0316)
Employee		0.163** (0.0699)		0.000168 (0.0243)
Number of siblings		-0.0598***		0.0150***

		(0.0150)		(0.00478)
Only child		-0.200**		0.0802***
		(0.0983)		(0.0310)
Rank among siblings		-0.0238		0.00451
		(0.0205)		(0.00652)
Reared by both parents as a couple		Ref.		Ref.
Alternate custody		-0.439***		0.0932
		(0.158)		(0.0686)
Mother only		-0.376***		0.103***
		(0.0749)		(0.0250)
Father only		-0.467**		0.179***
		(0.191)		(0.0535)
Another situation		-0.138*		0.0343
		(0.0816)		(0.0271)
Parents' related problems				
Alcohol		-0.161**		0.0256
		(0.0783)		(0.0267)
Violence		-0.183		0.0391
		(0.140)		(0.0443)
Money		-0.0210		0.0195
		(0.0661)		(0.0197)
Father's death		0.177*		-0.0587*
		(0.106)		(0.0325)
Mother's death		0.123		0.0105
		(0.189)		(0.0535)
Observations	8014	8014	8014	8014
R ² /Pseudo R ²	0.0134	0.1093	0.0403	0.1474

Table 3 – Ethnic-origin Differences in Family Background

	Sub-Saharan Africa	North Africa	Northern Europe	Southern Europe	Eastern Europe	Asia	Turkey
Separate homework room	-0.081***	-0.103***	-0.026	-0.025	-0.298***	-0.003	-0.092*
Number of Siblings	2.446***	2.385***	0.454	0.394**	0.081	0.851***	0.801***
Mother's Education	-0.001	-0.973***	0.407	-0.681***	-0.437	-0.022	-1.168***
Father's Education	-0.112	-1.214***	0.176	-0.993***	-0.641*	0.331	-1.22***
<i>Reared by:</i>							
Both parents as a couple	-0.146***	0.004	0.062***	0.04***	0.072***	0.005	0.033
Alternate custody	0.015	-0.001	0.000	0.003	-0.008***	0.015	0.005
Mother only	0.145***	0.025*	-0.025	0.006	-0.037*	0.073**	-0.006
Father only	0.003	-0.001	-0.007	-0.008	0.002	0.008	-0.017**
Other	0.051*	-0.031***	-0.034**	-0.017	-	-0.024	-0.017

*Notes: *** Significant at the 0.01 level, ** at the 0.05 level, * at the 0.10 level. Parental education is a discrete number between 1 and 6 according to the six education levels in the data (see Table 6). The figures should be read, for example, as the difference between the average highest educational qualification between natives and that in the ethnic group under consideration. Given that the average highest educational qualification for the father (mother) of French natives is junior high school (no qualifications), the data show for example that the average qualification for the father (mother) of North-African second-generation immigrants is no qualifications (no qualifications).*

Table 4 – The decomposition of the schooling-failure gap between French natives and second-generation immigrants

	No controls for family background			Controls for family background		
	Raw	Explained	Residual	Raw	Explained	Residual
North African	0.074	-0.048 <i>-65%</i>	0.122 <i>165%</i>	0.074	0.110 <i>149%</i>	-0.036 <i>-49%</i>
Sub-Saharan African	0.006	-0.058 <i>-898%</i>	0.064 <i>998%</i>	0.005	0.055 <i>1010%</i>	-0.049 <i>-910%</i>
Turkish	0.110	-0.058 <i>-53%</i>	0.168 <i>153%</i>	0.108	0.083 <i>77%</i>	0.025 <i>23%</i>
Asian	-0.003	-0.052 <i>1615%</i>	0.049 <i>1515%</i>	-0.002	0.019 <i>-876%</i>	-0.021 <i>976%</i>
Southern European	0.066	-0.020 <i>-31%</i>	0.087 <i>131%</i>	0.067	0.036 <i>53%</i>	0.031 <i>47%</i>
Northern European	-0.061	0.014 <i>-23%</i>	-0.075 <i>123%</i>	-0.059	0.010 <i>-16%</i>	-0.069 <i>116%</i>
Eastern European	0.092	0.038 <i>42%</i>	0.054 <i>58%</i>	0.092	0.091 <i>99%</i>	0.001 <i>1%</i>

Table 5 – Summary statistics for labor-market outcomes by ethnic group

Origin of parents	Employment share	Significantly different from France?	Hourly wage	Significantly different from France?
France	90.3% (0,007)	-	10.920 (0.230)	-
North Africa	77.1% (0.014)	Yes (F=69.07; p=0.000)	9.054 (0.120)	Yes (t=-7.18; p=0.000)
Sub-Saharan Africa	77.9% (0.026)	Yes (F=20.35; p=0.000)	9.372 (0.420)	Yes (t=-3.23; p=0.001)
Turkey	69.2% (0.052)	Yes (F=16,35; p=0.000)	9.249 (0.479)	Yes (t=-3.14; p=0.002)
Asia	85.1% (0.027)	Yes (F=3.32; p=0.065)	10.448 (0.346)	No (t=-1.13; p=0.257)
Southern Europe	90.4% (0.018)	No (F=0.00; p=0.9488)	10.213 (0.231)	Yes (t=-2.17; p=0.030)
Northern Europe	95.7% (0.011)	Yes (F=15.77; p=0.000)	12.150 (0.515)	Yes (t=2.18; p=0.030)
Eastern Europe	77.9% (0.100)	No (F=1.52; p=0.218)	10.901 (0.417)	No (t=-0.04; p=0.967)

Note: The table shows the weighted means, with weighted standard deviations in parentheses.

Table 6 – Hourly net wage per occupation and educational attainment

Origin of parents	Occupation				Educational attainment			
	Workers	Employee	Middle level	Intellectual	Failure	Vocational	High school	Superior
France	8.567	8.488	11.576	17.305	8.778	9.357	10.135	14.103
North Africa	-0.413**	-0.647***	-1.541***	-3.555***	-0.542*	-1.137***	-1.033**	-3.104***
	4.23	11.68	15.92	8.66	3.23	42.67	4.39	21.38
Sub-Saharan Africa	-1.387*	0.991	-1.850***	-4.679***	-1.320**	-0.786***	-1.279**	-3.479***
	3.68	1.10	16.85	10.72	5.88	9.38	4.16	9.82
Turkey	-0.080	1.061**	-0.968	-3.470**	-1.002*	-0.759*	-1.760**	-2.004
	0.04	6.42	0.28	4.93	3.46	3.34	6.12	1.73
Asia	-0.552	-0.804*	-0.833	-3.248***	-0.748	-0.913**	0.274	-1.609**
	1.67	3.73	2.45	6.85	1.58	4.61	0.04	4.38
Southern Europe	0.836	0.106	-0.592	-2.284**	1.234	-0.132	-0.192	-2.169***
	2.33	0.05	2.52	3.95	1.83	0.49	0.11	11.19
Northern Europe	0.674**	2.100**	1.437	-1.538	0.520	0.830	4.094***	-0.174
	6.53	4.99	2.01	1.33	1.13	2.02	17.09	0.03
Eastern Europe	0.268	1.265	-0.757	-0.524	0.549	1.427***	-0.044	-0.347
	0.47	2.02	2.15	0.09	0.54	6.93	0.00	0.11

Note: This table shows that, for example, the hourly net wage of natives in intellectual professions is 17.305 euros.

Table 7 – Employment

	Marginal effects from weighted probit estimation		
	(1)	(2)	(3)
Educational degree			
None			Ref.
Junior high school			0.0803*** (0.0271)
Vocational high school			0.0802*** (0.0185)
High school			0.131*** (0.0316)
College			0.119*** (0.0239)
University			0.146*** (0.0227)
Schooling failure		-0.0730*** (0.0154)	
Age	0.0165*** (0.00488)	0.0153*** (0.00478)	0.0143*** (0.00476)
Age-squared	-0.00182*** (0.000640)	-0.00162** (0.000631)	-0.00149** (0.000630)
Family			
At least one child	-0.0289 (0.0192)	-0.0246 (0.0188)	-0.0192 (0.0186)
Single man	Ref.	Ref.	Ref.
Single woman	-0.00913 (0.0194)	-0.0173 (0.0191)	-0.0225 (0.0190)
Man, working spouse	0.142*** (0.0229)	0.135*** (0.0224)	0.129*** (0.0220)
Woman, working spouse	0.0727*** (0.0212)	0.0633*** (0.0208)	0.0545*** (0.0205)
Man, non-working spouse	0.0869*** (0.0300)	0.0816*** (0.0299)	0.0807*** (0.0296)
Woman, non-working spouse	0.0208 (0.0401)	0.0265 (0.0384)	0.0267 (0.0375)
City size: 10000 to 50000	-0.00319 (0.0233)	-0.00346 (0.0230)	-0.00414 (0.0227)
City size: 50000 to 200000	0.00468 (0.0208)	0.00619 (0.0205)	0.00797 (0.0201)
City size: above 200000	-0.00725 (0.0166)	-0.0117 (0.0163)	-0.0185 (0.0159)
Paris	0.0390* (0.0208)	0.0336 (0.0207)	0.0205 (0.0207)
French native	Ref.	Ref.	Ref.
Northern African	-0.0791*** (0.0124)	-0.0691*** (0.0125)	-0.0599*** (0.0127)
Sub-Saharan African	-0.0549** (0.0223)	-0.0476** (0.0216)	-0.0423* (0.0223)
Turkish	-0.0707** (0.0276)	-0.0582** (0.0283)	-0.0456 (0.0279)
Asian	-0.0156 (0.0228)	-0.0103 (0.0231)	-0.0135 (0.0233)
Southern European	0.00568 (0.0161)	0.0125 (0.0160)	0.0192 (0.0161)
Northern European	0.0796*** (0.0303)	0.0733** (0.0295)	0.0753** (0.0302)
Eastern European	-0.0888 (0.0566)	-0.0890 (0.0595)	-0.0829 (0.0588)
Mixed origin	-0.0165 (0.0168)	-0.0142 (0.0166)	-0.0181 (0.0165)
Observations	8014	8014	8014
Pseudo R ²	0.0853	0.1003	0.1145

Table 8 – The decomposition of the employment gap between French natives and second-generation immigrants

	No controls for education			Controls for education		
	Raw	Explained	Residual	Raw	Explained	Residual
North African	0.152	0.034 22%	0.119 78%	0.152	0.059 39%	0.093 61%
Sub-Saharan African	0.134	0.048 36%	0.086 64%	0.134	0.065 49%	0.067 51%
Turkish	0.221	0.096 43%	0.125 57%	0.221	0.141 64%	0.08 36%
Asian	0.063	0.035 55%	0.029 45%	0.063	0.041 65%	0.022 35%
Southern European	Not signif.			Not signif.		
Northern European	-0.055	-0.004 8%	-0.051 92%	-0.055	-0.012 21%	-0.044 79%
Eastern European	0.128	-0.019 -15%	0.148 115%	0.128	-0.007 -5%	0.135 105%

Table 9 – Hourly wages (log)

	OLS			Heckman		
	(1)	(2)	(3)	(2)	(5)	(6)
Educational degree						
None			Ref.			
Junior high school			0.108*** (0.0358)			0.0940** (0.0396)
Vocational high school			0.140*** (0.0267)			0.126*** (0.0319)
High school			0.164*** (0.0378)			0.146*** (0.0444)
College			0.249*** (0.0338)			0.230*** (0.0409)
University			0.378*** (0.0444)			0.359*** (0.0506)
Schooling failure		-0.129*** (0.0219)			-0.115*** (0.0230)	
Female	-0.0994*** (0.0178)	-0.102*** (0.0174)	-0.114*** (0.0167)	-0.0970*** (0.0182)	-0.0992*** (0.0178)	-0.111*** (0.0170)
Age	0.0176** (0.00730)	0.0166** (0.00714)	0.0163** (0.00676)	0.00970 (0.00762)	0.00978 (0.00752)	0.0123 (0.00772)
Age-squared	-0.00180* (0.00102)	-0.00150 (0.00100)	-0.00137 (0.000938)	-0.000803 (0.00106)	-0.000665 (0.00104)	-0.000890 (0.00104)
City size: 10000 to 50000	-0.0190 (0.0307)	-0.0171 (0.0296)	-0.0138 (0.0284)	-0.0212 (0.0312)	-0.0193 (0.0300)	-0.0157 (0.0285)
City size: 50000 to 200000	-0.0151 (0.0228)	-0.0111 (0.0227)	-0.00886 (0.0220)	-0.0166 (0.0238)	-0.0127 (0.0234)	-0.0101 (0.0221)
City size: above 200000	0.0526** (0.0206)	0.0511** (0.0205)	0.0430** (0.0200)	0.0529** (0.0210)	0.0513** (0.0208)	0.0430** (0.0201)
Paris	0.143*** (0.0269)	0.147*** (0.0261)	0.135*** (0.0253)	0.143*** (0.0276)	0.146*** (0.0267)	0.134*** (0.0256)
French native	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
Northern African	-0.0713*** (0.0169)	-0.0629*** (0.0173)	-0.0429** (0.0174)	-0.0388* (0.0207)	-0.0350 (0.0215)	-0.0270 (0.0242)
Sub-Saharan African	-0.0942* (0.0509)	-0.0951* (0.0514)	-0.0936* (0.0525)	-0.0760 (0.0517)	-0.0788 (0.0522)	-0.0839 (0.0536)
Turkish	0.0528 (0.0402)	0.0644 (0.0397)	0.0726* (0.0375)	0.0883** (0.0427)	0.0945** (0.0423)	0.0900** (0.0418)
Asian	-0.0362 (0.0304)	-0.0302 (0.0307)	-0.0226 (0.0296)	-0.0356 (0.0314)	-0.0302 (0.0313)	-0.0229 (0.0297)
Southern European	0.000184 (0.0156)	0.00272 (0.0164)	0.0200 (0.0173)	-0.00507 (0.0162)	-0.00185 (0.0167)	0.0168 (0.0171)
Northern European	0.0516 (0.0372)	0.0299 (0.0363)	0.0343 (0.0375)	0.0375 (0.0365)	0.0206 (0.0360)	0.0292 (0.0368)
Eastern European	-0.0271 (0.0389)	-0.0153 (0.0373)	0.00140 (0.0333)	0.00128 (0.0452)	0.00756 (0.0420)	0.0142 (0.0372)
Mixed origin	0.0240 (0.0215)	0.0324 (0.0217)	0.0230 (0.0213)	0.0297 (0.0219)	0.0362* (0.0220)	0.0253 (0.0214)
Job occupation						
Worker	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
Intellectual occupation	0.510*** (0.0294)	0.471*** (0.0297)	0.314*** (0.0354)	0.490*** (0.0307)	0.459*** (0.0307)	0.313*** (0.0353)
Middle-level occupation	0.232*** (0.0228)	0.205*** (0.0228)	0.131*** (0.0235)	0.218*** (0.0225)	0.197*** (0.0225)	0.130*** (0.0233)
Employee	-0.0239 (0.0226)	-0.0330 (0.0226)	-0.0470** (0.0227)	-0.0279 (0.0223)	-0.0355 (0.0223)	-0.0474** (0.0226)
Seniority within firm	0.00722*** (0.00129)	0.00698*** (0.00125)	0.00810*** (0.00116)	0.00716*** (0.00127)	0.00697*** (0.00124)	0.00807*** (0.00116)
Constant	1.679*** (0.127)	1.713*** (0.124)	1.538*** (0.121)	1.875*** (0.135)	1.881*** (0.134)	1.652*** (0.161)
Rho				-0.555*** (0.138)	-0.483*** (0.159)	-0.286 (0.266)
Observations	6,639	6,639	6,639	6,639	6,639	6,639
R ²	0.371	0.383	0.412			

Table 10 – Wage gap decomposition between French natives and second-generation immigrants

	Raw	No controls for education			Controls for education		
		Explained	Selection	Residual	Explained	Selection	Residual
North African	0.142	0.07 49%	0.014 10%	0.058 41%	0.098 69%	0.014 10%	0.03 21%
Sub-Saharan African	0.155	0.091 59%	0.015 10%	0.049 31%	0.102 66%	0.014 9%	0.039 25%
Turkish	0.125	0.163 130%	0.014 11%	-0.052 -41%	0.2 160%	0.017 14%	-0.092 -74%
Asian Southern European	not signif. 0.036	0.023 64%	0.014 39%	-0.001 -3%	0.045 125%	0.014 39%	-0.023 -64%
Northern European	-0.149	-0.07 47%	0.015 -10%	-0.094 63%	-0.123 83%	0.014 -9%	-0.04 27%
Eastern European	not signif.						

Note: We can interpret the figures for North-African origin (controlling for education) as follows. 0.142 is the initial raw wage gap figure between those of North-African origin and natives. The difference in characteristics explains 69% of this gap, and differences in selection 10%. The residual wage gap is thus 21% of the raw gap. The wage gap between natives and second-generation immigrants of Eastern-European origin is significant but too small to provide accurate interpretation of its decomposition.

Table 11 – Hourly wages (log) with controls for endogeneity and selection biases

	Schooling failure	Employment	Log hourly wage
Female	-0.129** (0.0630)	-	-0.0947** (0.0175)
Age	-0.0766*** (0.0219)	0.0789*** (0.0290)	0.00447 (0.00778)
Age-squared	0.0113*** (0.00276)	-0.00781** (0.00388)	0.000127 (0.00110)
French native	Ref.	Ref.	Ref.
Northern African	-0.180** (0.0912)	-0.343*** (0.0850)	0.0146 (0.0213)
Sub-Saharan African	-0.300** (0.131)	-0.246* (0.125)	-0.0475 (0.0536)
Turkish	0.0640 (0.161)	-0.255 (0.173)	0.155*** (0.0419)
Asian	-0.263* (0.158)	-0.0402 (0.137)	-0.00785 (0.0301)
Southern European	-0.0740 (0.0865)	0.0992 (0.0907)	0.0207 (0.0167)
Northern European	-0.664*** (0.209)	0.370** (0.164)	-0.0252 (0.0419)
Eastern European	-0.294 (0.249)	-0.499 (0.366)	0.0336 (0.0388)
Mixed origin	0.345*** (0.0827)	-0.0595 (0.0946)	0.0418* (0.0215)
Mother's occupation			
Worker	Ref.		
None or missing	0.0677 (0.103)		
Farmer	-0.0747 (0.180)		
Entrepreneur	0.0446 (0.166)		
Intellectual occupation	-0.438* (0.240)		
Middle-level occupation	0.105 (0.165)		
Employee	-0.175* (0.0935)		
Father's occupation			
Worker	Ref.		
None or missing	-0.112 (0.140)		
Farmer	0.0558 (0.138)		
Entrepreneur	-0.0489 (0.136)		
Intellectual occupation	0.0645 (0.191)		
Middle-level occupation	-0.0496 (0.128)		
Employee	-0.00627 (0.0999)		
Public education	Ref.		
Public and private education	-0.127* (0.0760)		
Private education	-0.367*** (0.135)		
Father's education	-0.0774*** (0.0205)		
Mother's education	-0.119*** (0.0240)		
Separate room	-0.185** (0.0745)		
Number of siblings	0.0619*** (0.0196)		

Only child	0.306**		
	(0.127)		
Rank among siblings	0.0158		
	(0.0268)		
Reared by both parents as a couple	Ref.		
Alternate custody	0.391		
	(0.294)		
Mother only	0.437***		
	(0.103)		
Father only	0.713***		
	(0.213)		
Another situation	0.150		
	(0.109)		
Parents' related problems			
Alcohol	0.128		
	(0.111)		
Violence	0.140		
	(0.181)		
Money	0.0801		
	(0.0801)		
Father's death	-0.219		
	(0.136)		
Mother's death	0.0505		
	(0.221)		
Schooling failure		-0.911***	
		(0.280)	
At least one child		-0.130	
		(0.108)	
Single man		-0.114	
Single woman		(0.109)	
Man, working spouse		0.760***	
		(0.123)	
Woman, working spouse		0.347***	
		(0.120)	
Man, non working spouse		0.466***	
		(0.170)	
Woman, non working spouse		0.171	
		(0.212)	
City size: 10000 to 50000		-0.0263	-0.00996
		(0.131)	(0.0295)
City size: 50000 to 200000		0.0414	-0.00780
		(0.115)	(0.0223)
City size: above 200000		-0.0670	0.0589***
		(0.0934)	(0.0204)
Paris		0.186	0.133***
		(0.119)	(0.0256)
Job occupation			
Worker			Ref.
Intellectual occupation			0.431***
			(0.0281)
Middle-level occupation			0.183***
			(0.0217)
Employee			-0.0420*
			(0.0224)
Seniority within firm			0.00732***
			(0.00124)
Lambda_educ			-0.243***
			(0.0534)
Lambda_labor			0.117***
			(0.0247)
Constant	0.606	-0.526	1.771***
	(0.430)	(0.502)	(0.132)
Rho	0.318*		
	(0.178)		
Observations	8014	8014	6639

