

Supplement to:

Tibajev, Andrey. 2019. "Linking Self-Employment Before and After Migration: Migrant Selection and Human Capital." *Sociological Science* 6: 609-634.

**Table S1: Sample, migration and measurement of self-employment rate in country of origin**

Origin country <sup>a</sup>	Region	Individuals	Unique mig. years	Unique data points	Average distance <sup>b</sup>
Finland	Nordic	173	46	24	1.41
Chile	Latin America	148	26	18	1.25
Germany	EU15+	106	39	25	1.24
Iran	Middle East and North Africa	97	24	5	2.28
Iraq	Middle East and North Africa	71	21	2	8.15
Poland	Rest of Europe	69	32	15	1.41
Bosnia and Herzegovina	Rest of Europe	68	18	4	9.97
Eritrea	Sub-Saharan Africa	58	22	7	5.47
United Kingdom	EU15+	54	26	22	0.41
Thailand	Rest of Asia	52	19	18	0.50
Turkey	Middle East and North Africa	48	28	13	0.88
Norway	Nordic	45	26	21	0.51
Denmark	Nordic	38	23	17	0.55
Somalia	Sub-Saharan Africa	37	18	12	1.03
USA	EU15+	37	21	20	0.41
Ethiopia	Sub-Saharan Africa	32	21	3	4.91
Philippines	Rest of Asia	32	20	18	0.16
All		2,041	1,111	669	3.26

Note: Unweighted numbers. Only origin countries with at least 30 individuals in the sample are displayed.

a. Self-employment rates taken from formerly existing countries where applicable, e.g. from Yugoslavia before 1992 for Bosnia and Herzegovina.

b. Average of  $\{[(\text{Migration year}) - (\text{Data point year})]\}$  in absolute terms, where  $i$ =Individual.

Table S2: Predicting individual experience of self-employment before migration using OLS

	OCSE		OCSE_FW	
Origin-country rate	0.09	0.07	0.04	0.04
	(0.05)	(0.05)	(0.03)	(0.04)
Immigration age		0.00		0.00
		(0.01)		(0.01)
Immigration age^2		0.00		0.00
		(0.00)		(0.00)
Gender				
Male		Ref.		Ref.
Female		-0.08*		-0.08*
		(0.02)		(0.02)
Education level*Place highest				
Primary*Abroad		0.02		0.02
		(0.03)		(0.03)
Upper secondary*Abroad		Ref.		Ref.
Post-secondary*Abroad		-0.01		-0.01
		(0.03)		(0.03)
Primary*Sweden		-0.02		-0.02
		(0.04)		(0.04)
Upper secondary*Sweden		0.01		0.01
		(0.02)		(0.02)
Post-secondary*Sweden		-0.03		-0.03
		(0.02)		(0.02)
Parents' self-employment				
No/no parents		Ref.		Ref.
Parent self-employed		0.00		-0.00
		(0.02)		(0.02)
Migration reason				
Work/studies/other		Ref.		Ref.
Family		0.03		0.04
		(0.02)		(0.02)
Refuge		-0.02		-0.01
		(0.02)		(0.02)
Knew someone in Sweden				
No		Ref.		Ref.
Yes		-0.01		-0.01
		(0.02)		(0.02)
Intercept	0.05*	-0.03	0.06*	-0.03
	(0.01)	(0.11)	(0.01)	(0.11)
Adjusted R2	0.002	0.053	0.001	0.052
N	2,041	2,041	2,041	2,041

Note: Dependent variable individual experience of self-employment before migration. Robust standard errors in parentheses.  
\*p<0.05

Table S3: Propensity for self-employment using Cox regression

	OCSE		OCSE_FW		Region of origin		Individual experience	
Origin-country rates	1.04	0.71	1.39	1.09				
	(0.52)	(0.40)	(0.44)	(0.36)				
Region of origin								
Nordic					0.53*	0.61		
					(0.13)	(0.17)		
EU15+					0.89	0.90		
					(0.19)	(0.23)		
Rest of Europe					0.58*	0.62		
					(0.14)	(0.16)		
Middle East & North Africa					Ref.	Ref.		
Sub-Saharan Africa					0.20*	0.18*		
					(0.08)	(0.07)		
Rest of Asia					0.85	0.97		
					(0.21)	(0.24)		
Latin America					0.27*	0.27*		
					(0.08)	(0.08)		
Individual experience								
No experience							0.89	0.79
							(0.15)	(0.14)
Employment only							Ref.	Ref.
Self-employment							2.06*	1.76*
							(0.54)	(0.46)
Immigration age		0.90		0.90		0.90		0.88
		(0.06)		(0.06)		(0.06)		(0.06)
Immigration age^2		1.00		1.00		1.00		1.00
		(0.00)		(0.00)		(0.00)		(0.00)
Gender								
Male		Ref.		Ref.		Ref.		Ref.
Female		0.43*		0.43*		0.45*		0.46*
		(0.08)		(0.08)		(0.08)		(0.08)
Education level*Place highest								
Primary*Abroad		1.05		1.03		1.01		1.02
		(0.27)		(0.27)		(0.26)		(0.26)
Upper secondary*Abroad		Ref.		Ref.		Ref.		Ref.
Post-secondary*Abroad		1.06		1.07		1.06		1.06
		(0.25)		(0.25)		(0.25)		(0.25)
Primary*Sweden		0.84		0.83		0.77		0.87
		(0.35)		(0.34)		(0.31)		(0.36)
Upper secondary*Sweden		0.82		0.80		0.83		0.79
		(0.22)		(0.21)		(0.23)		(0.21)
Post-secondary*Sweden		0.78		0.77		0.73		0.80
		(0.20)		(0.20)		(0.19)		(0.21)
Parents' self-employment								
No/no parents		Ref.		Ref.		Ref.		Ref.

Parent self-employed	1.13 (0.19)		1.11 (0.19)		1.12 (0.19)		1.11 (0.18)
Knew someone in Sweden							
No	Ref.		Ref.		Ref.		Ref.
Yes	0.69* (0.12)		0.69* (0.12)		0.67* (0.12)		0.68* (0.12)
Partnership status							
Single	Ref.		Ref.		Ref.		Ref.
Partner before immigration	1.11 (0.28)		1.12 (0.28)		1.12 (0.26)		1.08 (0.27)
Partner after immigration	1.23 (0.28)		1.23 (0.28)		1.17 (0.27)		1.22 (0.28)
Calendar time							
Year 1955-1969	Ref.		Ref.		Ref.		Ref.
Year 1970-1974	1.19 (0.67)		1.19 (0.67)		1.21 (0.68)		1.19 (0.67)
Year 1975-1979	1.13 (0.59)		1.13 (0.59)		1.12 (0.59)		1.12 (0.59)
Year 1980-1984	1.54 (0.79)		1.54 (0.78)		1.53 (0.79)		1.53 (0.78)
Year 1985-1989	1.76 (0.89)		1.73 (0.87)		1.69 (0.85)		1.70 (0.86)
Year 1990-1994	1.86 (0.94)		1.82 (0.92)		1.72 (0.87)		1.79 (0.90)
Year 1995-1999	1.65 (0.84)		1.61 (0.82)		1.50 (0.76)		1.55 (0.78)
Year 2000-2004	1.70 (0.87)		1.65 (0.84)		1.51 (0.78)		1.59 (0.81)
Year 2005-2012	1.22 (0.63)		1.18 (0.61)		1.05 (0.54)		1.11 (0.57)
Employment status							
Not employed	Ref.		Ref.		Ref.		Ref.
Employed	0.85 (0.16)		0.86 (0.16)		0.90 (0.18)		0.83 (0.16)
N subjects	2,030	2,030	2,030	2,030	2,030	2,030	2,030
N events	275	275	275	275	275	275	275
Wald $\chi^2$ (df)	0.01 (1)	50.85 (22)*	1.08 (1)	51.27 (22)*	40.12 (6)*	84.82 (27)*	9.40 (2)*
							66.47 (23)*

Note: Dependent variable entry into first self-employment. Exponentiated coefficients. Robust standard errors in parentheses. Stratified by migration reason.

\*p<0.05

Table S4: Descriptive statistics for cross-sectional sample

	Range	Mean	SD
OCSE	0.00-0.94	0.25	0.14
OCSE_FW	0.00-0.96	0.34	0.21
Region of origin			
Nordic	0/1	0.16	
EU15+	0/1	0.11	
Rest of Europe	0/1	0.27	
Middle East & North Africa	0/1	0.24	
Sub-Saharan Africa	0/1	0.06	
Rest of Asia	0/1	0.10	
Latin America	0/1	0.07	
Individual experience			
No experience	0/1	0.36	
Employment only	0/1	0.56	
Self-employment	0/1	0.08	
Self-employed vis-à-vis wage employed	0/1	0.17	
Immigration age	18.00-55.42	28.04	6.84
Gender			
Male	0/1	0.47	
Female	0/1	0.53	
Education level			
Primary	0/1	0.17	
Upper secondary	0/1	0.39	
Post-secondary	0/1	0.44	
Place of highest education			
Abroad	0/1	0.57	
Sweden	0/1	0.43	
Parents' self-employed			
No/no parents	0/1	0.68	
Yes	0/1	0.32	
Migration reason			
Work/studies/other	0/1	0.21	
Family	0/1	0.46	
Refuge	0/1	0.33	
Knew someone in Sweden			
No	0/1	0.26	
Yes	0/1	0.74	
Current partner			
Single	0/1	0.24	
Partner before immigration	0/1	0.29	
Partner after immigration	0/1	0.47	
Years since migration	5.41-46.25	20.62	9.02

Note: N=1,220

Table S5: Propensity for self-employment using OLS regression

	OCSE		OCSE_FW		Region of origin		Individual experience	
Origin-country rates	-0.20*	-0.15	-0.10	-0.08				
	(0.08)	(0.09)	(0.06)	(0.06)				
Region of origin								
Nordic					0.00	-0.06		
					(0.05)	(0.06)		
EU15+					-0.00	-0.04		
					(0.05)	(0.06)		
Rest of Europe					-0.05	-0.03		
					(0.05)	(0.05)		
Middle East & North Africa					Ref.	Ref.		
Sub-Saharan Africa					-0.12*	-0.10*		
					(0.04)	(0.04)		
Rest of Asia					-0.06	-0.03		
					(0.05)	(0.05)		
Latin America					-0.07	-0.07		
					(0.05)	(0.05)		
Individual experience								
No experience							-0.01	-0.03
							(0.03)	(0.03)
Employment only							Ref.	Ref.
Self-employment							0.25*	0.24*
							(0.08)	(0.07)
Immigration age		-0.03		-0.03		-0.03		-0.03
		(0.02)		(0.02)		(0.02)		(0.02)
Immigration age^2		0.00		0.00		0.00		0.00
		(0.00)		(0.00)		(0.00)		(0.00)
Gender								
Male		Ref.		Ref.		Ref.		Ref.
Female		-0.10*		-0.10*		-0.10*		-0.08*
		(0.03)		(0.03)		(0.03)		(0.03)
Education level*Place highest								
Primary*Abroad		0.07		0.07		0.05		0.06
		(0.06)		(0.06)		(0.06)		(0.06)
Upper secondary*Abroad		Ref.		Ref.		Ref.		Ref.
Post-secondary*Abroad		0.05		0.05		0.05		0.06
		(0.04)		(0.04)		(0.04)		(0.04)
Primary*Sweden		-0.11*		-0.11*		-0.12*		-0.09
		(0.05)		(0.05)		(0.05)		(0.05)
Upper secondary*Sweden		-0.01		-0.01		-0.01		-0.01
		(0.05)		(0.05)		(0.05)		(0.05)
Post-secondary*Sweden		0.05		0.05		0.04		0.06
		(0.05)		(0.05)		(0.05)		(0.05)
Parents' self-employment								
No/no parents		Ref.		Ref.		Ref.		Ref.

Parent self-employed		0.02 (0.03)		0.02 (0.03)		0.02 (0.03)		0.02 (0.03)
Migration reason								
Work/studies/other		Ref.		Ref.		Ref.		Ref.
Family		-0.00 (0.04)		-0.00 (0.05)		-0.02 (0.05)		-0.01 (0.04)
Refuge		-0.01 (0.05)		-0.02 (0.05)		-0.05 (0.06)		-0.02 (0.04)
Knew someone in Sweden								
No		Ref.		Ref.		Ref.		Ref.
Yes		-0.00 (0.04)		-0.00 (0.04)		-0.00 (0.04)		0.01 (0.03)
Current partner								
Single		Ref.		Ref.		Ref.		Ref.
Partner before immigration		0.02 (0.04)		0.03 (0.04)		0.02 (0.04)		0.01 (0.04)
Partner after immigration		0.02 (0.04)		0.02 (0.04)		0.02 (0.04)		0.01 (0.03)
Years since migration		0.00* (0.00)		0.00* (0.00)		0.00* (0.00)		0.00* (0.00)
Intercept	0.21* (0.03)	0.55* (0.26)	0.20* (0.03)	0.55* (0.26)	0.19* (0.04)	0.56* (0.26)	0.15* (0.02)	0.52* (0.25)
Adjusted R2	0.005	0.035	0.002	0.034	0.003	0.033	0.032	0.064
N	1,220	1,220	1,220	1,220	1,220	1,220	1,220	1,220

Note: Dependent variable if self-employed vis-à-vis wage employed at time of survey. Robust standard errors in parentheses.

\*p<0.05