Immigrants' Labour Market Positions in Europe and the Effect of the Education System

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Theoretical Model and Research Questions

Macro-/ Country level

Education System (Stratification, Vocational specificity)

In how far can country-differences be explained by differences in host countries' education systems?

Micro- / Individual level Immigration status

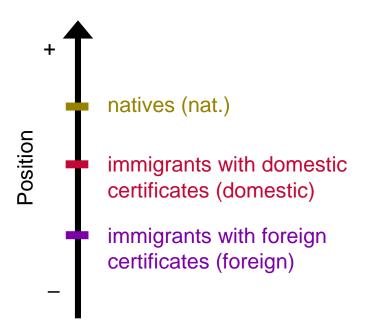
Natives (non-immigrants)
Immigrants with domestic certificates
Immigrants with foreign certificates only

To what extent do labour market positions in Europe differ, according to people's origin and their education's origin?

Employment position

(high / intermediate vs. low)

Ethnic Inequality: Individual Factors (Micro)



Immigrants (with domestic and especially with foreign certificates)

- Less (host country specific) human capital
- Less social capital
- Higher job search costs
- Discrimination

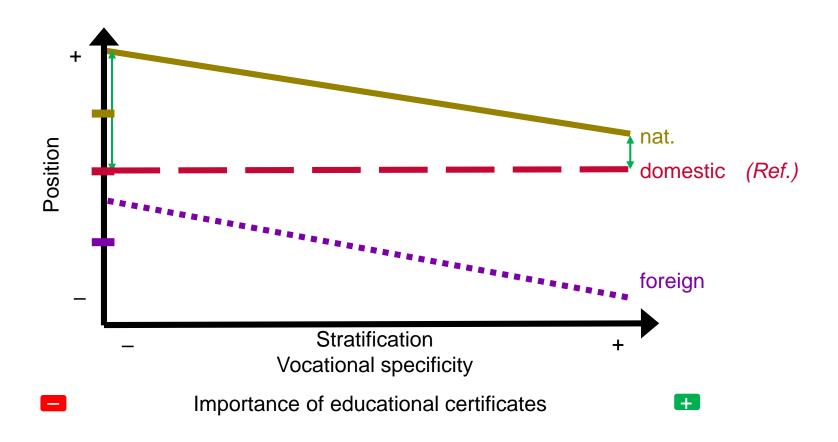
Immigrants with foreign certificates

 Lower signalling power of educational certificates

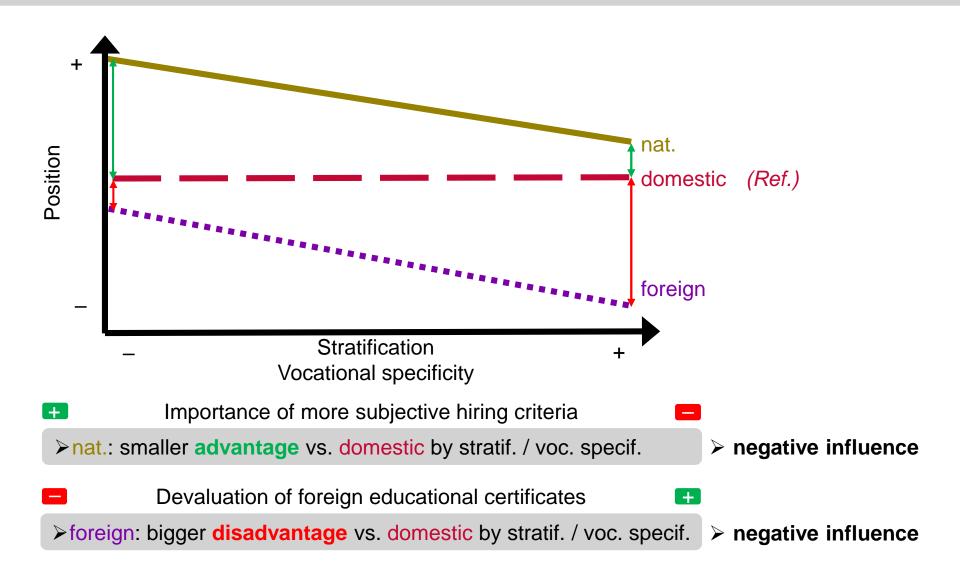
Micro hypothesis (H1):

It can be assumed that natives have higher employment positions than immigrants with domestic educational certificates – even with a comparable level of education – and immigrants with foreign certificates lower positions.

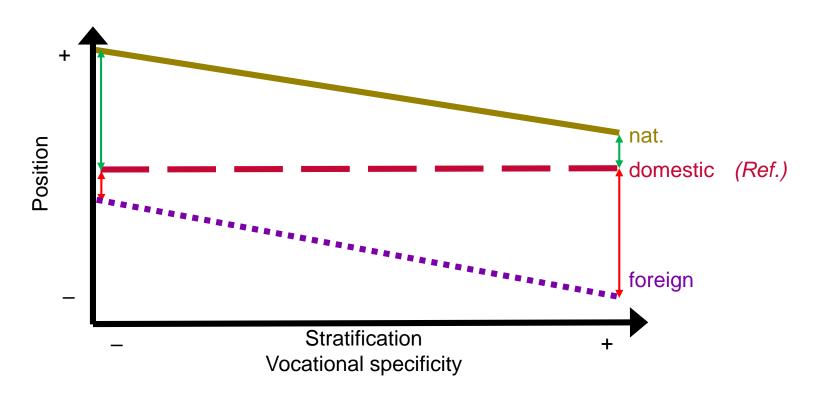
Ethnic Inequality: Education System (Macro)



Ethnic Inequality: Education System (Macro)



Ethnic Inequality: Education System (Macro)



Macro hypothesis (H2):

It can be expected that stratification and vocational specificity have a negative influence on employment positions of natives and immigrants with foreign educational certificates only, relative to immigrants with domestic certificates.

Data and Operationalisation (Micro)

Data: European Union Labour Force Survey (EU-LFS) 2009-2013

(pooled; DE: Microcensus SUF 2011)

Sample: 25- to 39-year olds in employment

(excl. students etc.)

in 18 western European countries (AT, BE, CH, CY, DE, DK, EL, ES, FI,

FR. IE. IS. IT. LU. NL. PT. SE. UK)

DV: Position: high / intermediate (ESeC 1-8) vs. low (ESeC 9)

Controls: Level of education (low, medium, high)

> Age (25-29, 30-34, 35-39)

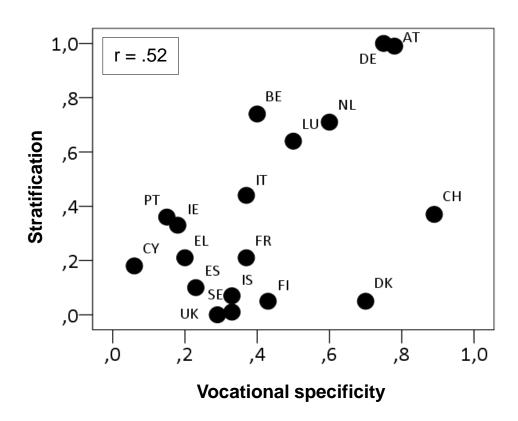
Origin (third country, EU- / EFTA)

Duration of residence (1-9, 10+)

Sex (female, male)

Reference year (2009, 2010, 2011, 2012, 2013)

Operationalisation (Macro): Education System



Note:

Indexes base on indexes in Bol/van de Werfhorst 2013: 294.

Stratification is based on "Index of tracking":

- (1) Age of first selection,
- (2) Percentage of total curriculum that is tracked
- (3) Number of trackt available for 15-year-olds.

Estimated: CY.

Vocational specificity is a combination of "Index of vocational enrollment" (percentage of students enrolled in upper sec. voc. programs) and "Vocational specificity (dual system)" (percentage of upper sec. voc. education that takes place in dual system).

Estimated: CY, PT.

Operationalisation (Macro): Further Context Factors

Labour Market

- Unemployment rate
- Change in unemployment rate (to previous year)
- GDP
- Change in GDP (to 2006)
- Size of lowest labour market segment (ESeC 9)

Welfare State

- Flexicurity (dichotomous)
- Employment Protection Legislation for regular contracts (EPL regular)
- Employment Protection Legislation for temporary contracts (EPL temporary)

Integration Policy

Migrant Integration Policy Index (MIPEX)

Cultural Closeness resp. Distance

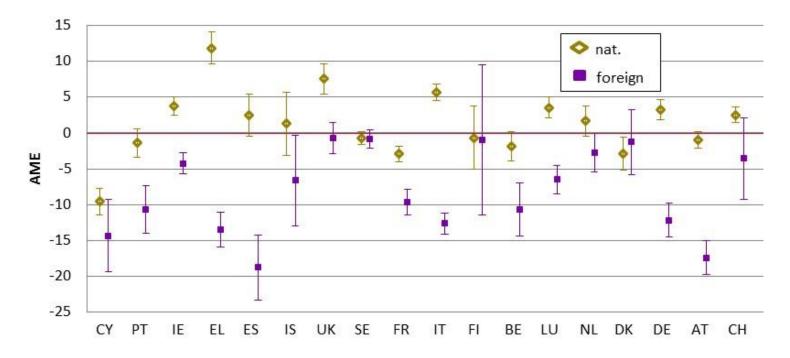
- Share of population coming from countries with predominantly muslim population
- Share of population coming from third countries
- Share of immigrants coming from countries with frontier to host country
- Share of immigrants coming from countries with same official language

Methods

- 1. Two-step Multilevel Analysis
 - Step 1 (Micro): ethnic inequality on Europe's labour markets
 - binary logistic regression for each country separately
 - DV: employment position
 - Step 2 (Macro): education system and ethnic inequality
 - Plots
- 2. One-step Multilevel Analysis (Micro and Macro)
 - Binary logistic regression
 - Combination of individual and context factors
 - DV: employment position

Position of natives and immigrants with foreign certificates only

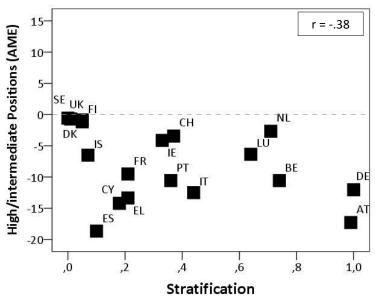
(Ref.: immigrants with domestic certificates; in employment; AME)

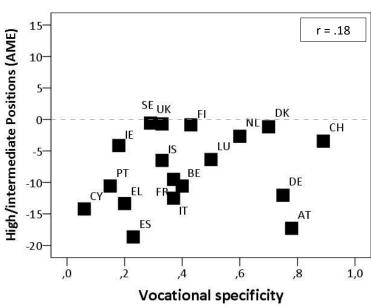


Note:

Incl. confidence intervals 95 %. Logistic regression for each country separately. Controls: level of education, age, origin, duration of residence, sex, reference year, immigration status*level of education.

Position of immigrants with foreign certificates only by stratification / vocational specificity and host country (Ref.: domestic; AME)





Anm.: Logistic regression for each country separately; controls: level of education, age, origin, duration of residence, sex, reference year, immigration status*level of education.

Position of immigrants with foreign certificates only	H2	Results	
		2-step (Plots)	1-step
Stratification	1	(–)	
Vocational specificity	_	(+)	

Note: Influence of stratif. / vo

Influence of stratif. / voc. specif.: ,+' = positive;

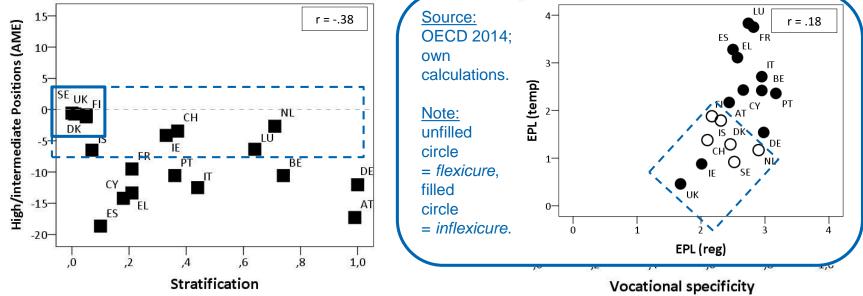
,(+)' = rather positive;

,–' = negative;

,(-)' = rather negative.

Theory

Position of immigrants with foreign certificates only by stratification / vocational specificity and host country (Ref.: domestic; AME)

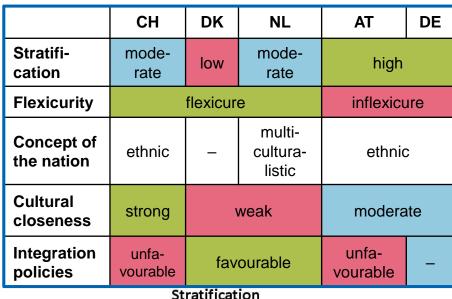


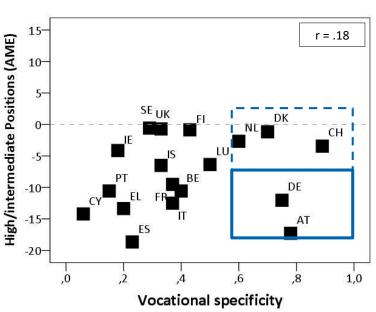
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Position of immigrants with foreign certificates only by stratification / vocational specificity and host country (Ref.: domestic; AME)





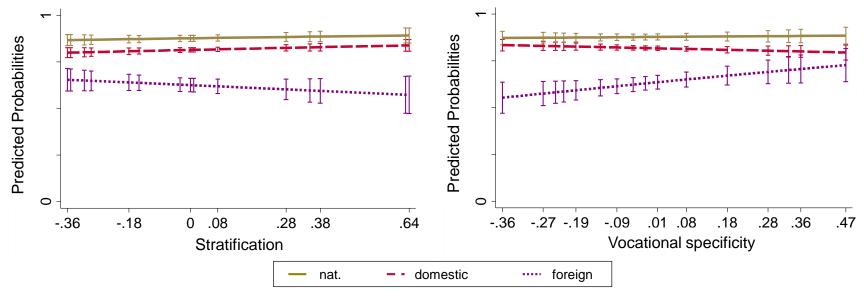
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Vocational specificity	_	(+)	

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One-step Multi Level Analysis

Position by stratification, vocational specificity and migrational status (predicted probabilities)



Note: Result of multi level regression. Controls individual level: level of education, age, origin, duration of residence, sex, reference year, immigration status*level of education; controls context level: flexicurity. Cross-level interactions: immigration status*stratification, immigration status*vocational specificity.

Position of immigrants with foreign certificates only	H2	Results	
		2-step (Plots)	1-step
Stratification	_	(–)	-
Vocational specificity	_	(+)	+

Note:

Influence of stratif. / voc. specif.: ,+' = positive; ,(+)' = rather positive; ,-' = negative;

(-)' = rather negative.

Micro

To what extent do employment positions in Europe differ, according to people's origin and their education's origin?

- natives and immigrants with domestic educational certificates have on an average higher positions than immigrants with foreign certificates only
- >Education's origin is more important than person's origin
 - High educational credentials do not guarantee a successful labour market integration
 - Immigrants require educational certificates with strong "signalling power" resp. host country specific knowledge and skills

Macro

In how far can country-differences be explained by differences in host countries' education systems?

- As expected: employment positions of immigrants with foreign educational certificates only are lower in a stratified context compared with low stratification
- Contrary to expectations: employment positions of immigrants with foreign educational certificates only are higher in a vocationally specific context compared with lower specificity

Thank YouFor Your Attention

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