

DemoSoc Seminars

"SOCIAL ORIGINS AND OVEREDUCATION AMONG SPANISH GRADUATES: IS THE ACCESS TO THE **SERVICE CLASS MERITOCRATIC?"***

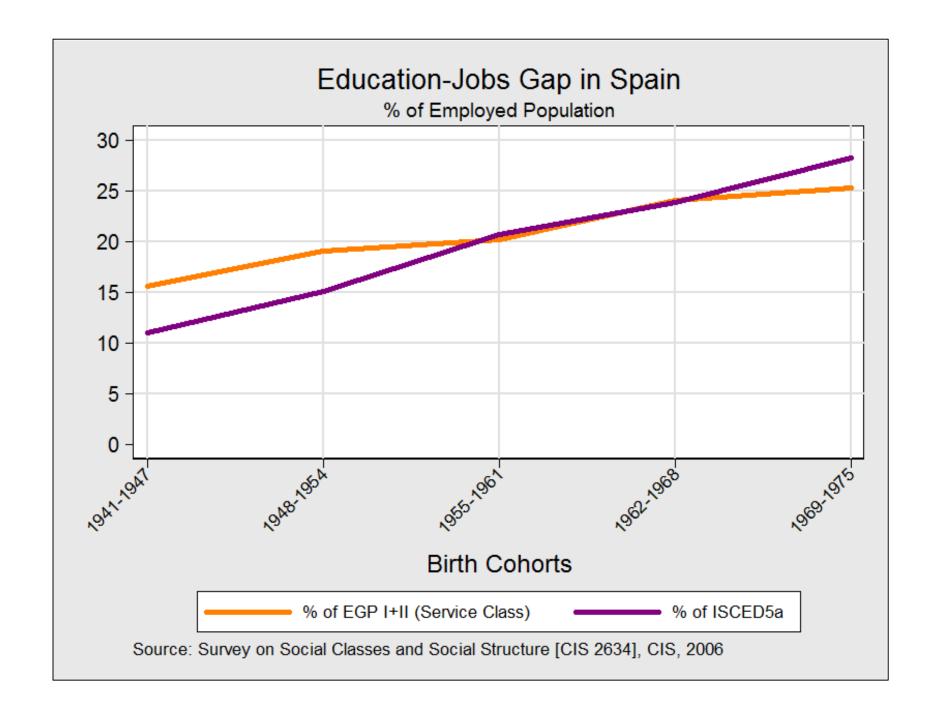
*Paper accepted into Revista Española de Investigaciones Sociológicas (REIS)

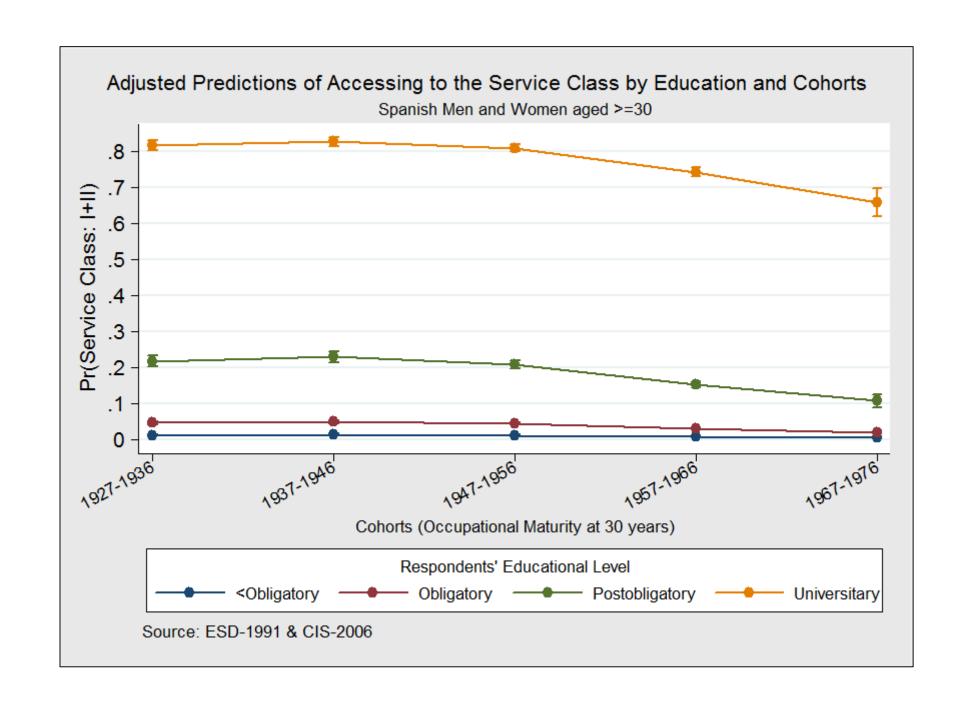


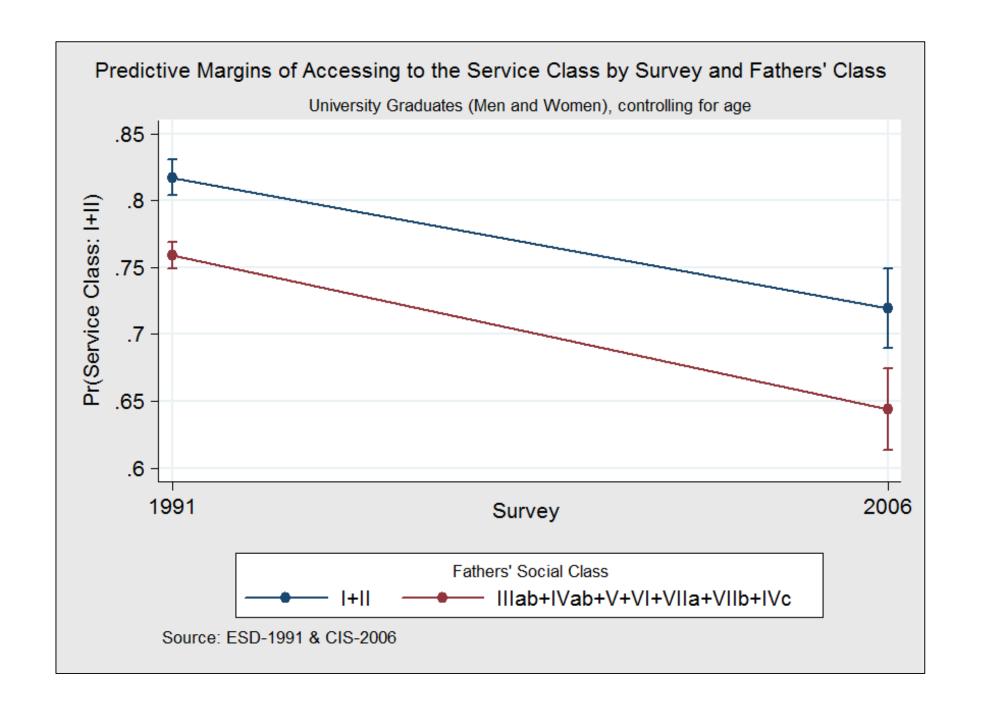
Ildefonso Marqués Perales Universidad de Sevilla Carlos J. Gil Hernández Universitat Pompeu Fabra

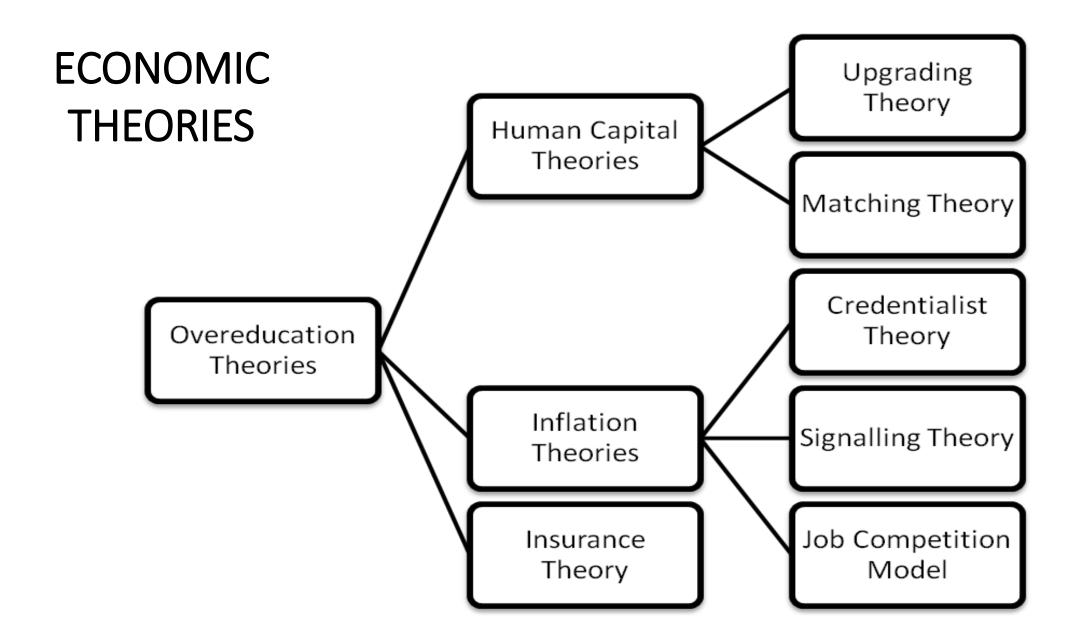
OUTLINE

- JUSTIFICATION: THE SPANISH CASE
- THEORETICAL BACKGROUND & PREVIOUS RESEARCH
- HYPOTHESES AND MECHANISMS
- DATA AND METHODS
- INDIRECT EFFECT VIA FIELD OF STUDY
- MULTIVARIATE ANALYSIS: DIRECT EFFECT OF SOCIAL ORIGINS
- LIMITATIONS, CONCLUSIONS AND DISCUSSION

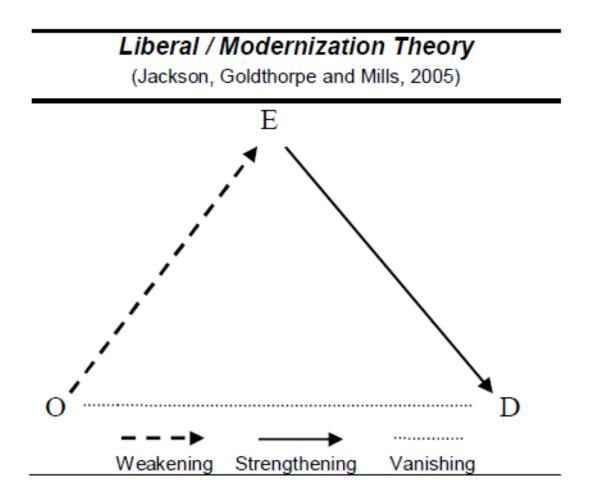








DIRECT AND INDIRECT EFFECTS OF SOCIAL ORIGINS

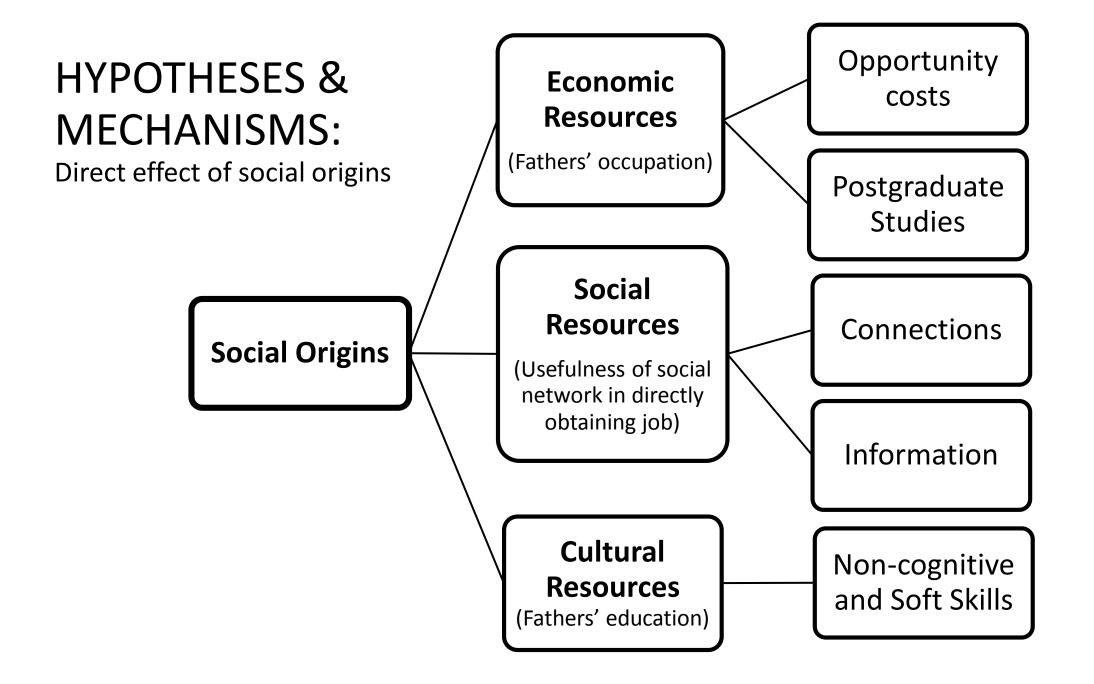


Notes: O=Class Origins; E=Educational Attainment; D=Class Destination

Ascription and Merit

- The labour market for university graduates is more meritocratic.
- Bureaucratization of organizations: universalism vs. particularism.
- Compositional effect of education (Hout 1988). More education, Less effect of origins.
- Educational Expansion -> Effect of social origins on later transitions from university to work could strengthen (Kucel 2011).
- New qualitative factors of distinction (Lucas 2001): Fields of study, postgraduate studies...
- Merit ≠ Education/qualifications (Breen and Goldthorpe 2001; Jackson, Goldthorpe and Mills 2005).
- The concept of merit is created ad hoc by employers according to their specific needs.
- Effect of social origins over and above education in many European countries.

ASCRIPTION OR MERIT?			
Gender	Grade		
Fathers' Education and Occupation	Occupational Experience		
Social Network	Field of Study		



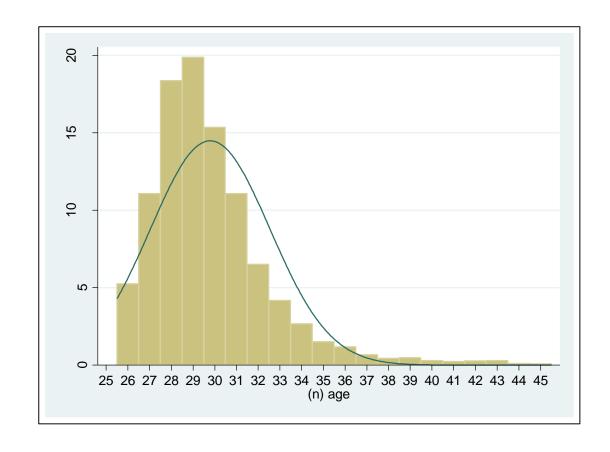
PREVIOUS RESEARCH

Social origins and occupational attainment among Spanish graduates

Authors	Outcome	Data	Methods	Results
2004. Carabaña	Social Class (EGP)	ESD-1991	Descriptive	NO
2008. Ortiz and Kucel	Overeducation	EULFS-2003-2005	Logit	YES
2011. Barone and Ortiz	Overeducation	REFLEX-2005	Logit	YES
2012. Bernardi	Access to the Service Class Avoid Unskilled Working ISEI Income	CIS-1988-1989-2006 ESD-1991 ASEP-1990-1999 EU-SILC-2005	-Linear Probability Models -OLS	YES
2013. Ballarino et. al	Access to the Service Class Avoid Unskilled Working	ESD-1991 CIS-2006	-Logit -LPM	YES
2013. Triventi	Access to Top Wage Occup. Access to Top ISEI Occup.	REFLEX-2005	-Logit -KHB	YES
2013. Martínez-García	Overeducation	PIAAC-2012	Descriptive	PARTIAL
2014. Fachelli et al.	Top Hourly Wage	ECV-2005	Logit	NO

DATA: REFLEX SURVEY (2005)

- European graduates (1999/2000)
- European Commission
- n=1498 (n=3916)
- Transition from University to Work
- PROS: Sample just for graduates
- CONS: Not panel data



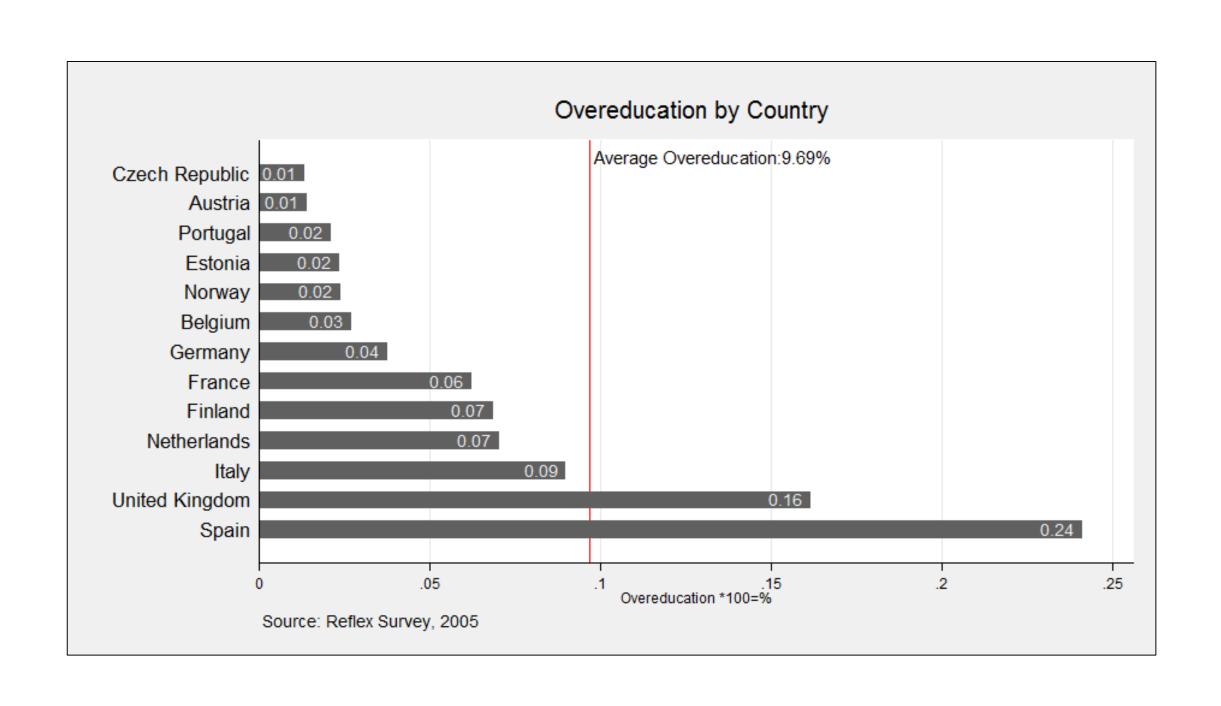
OVEREDUCATION: objective measure

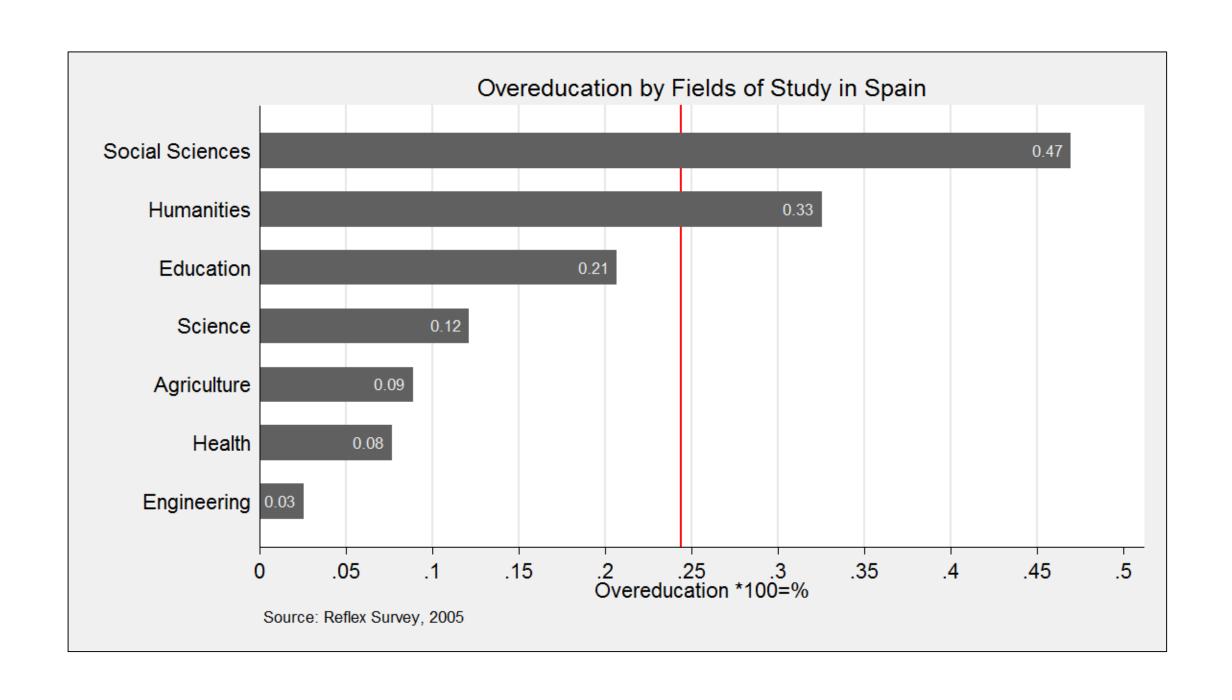
Logit (Y: overeducation) =
$$\ln \left[\frac{P(Y=1) \ if \ (ISCED97=5A \ and \ ISCO88 > 3480)}{1 - P(Y=1) \ if \ (ISCED97=5A \ and \ ISCO88 \leq 3480)} \right]$$

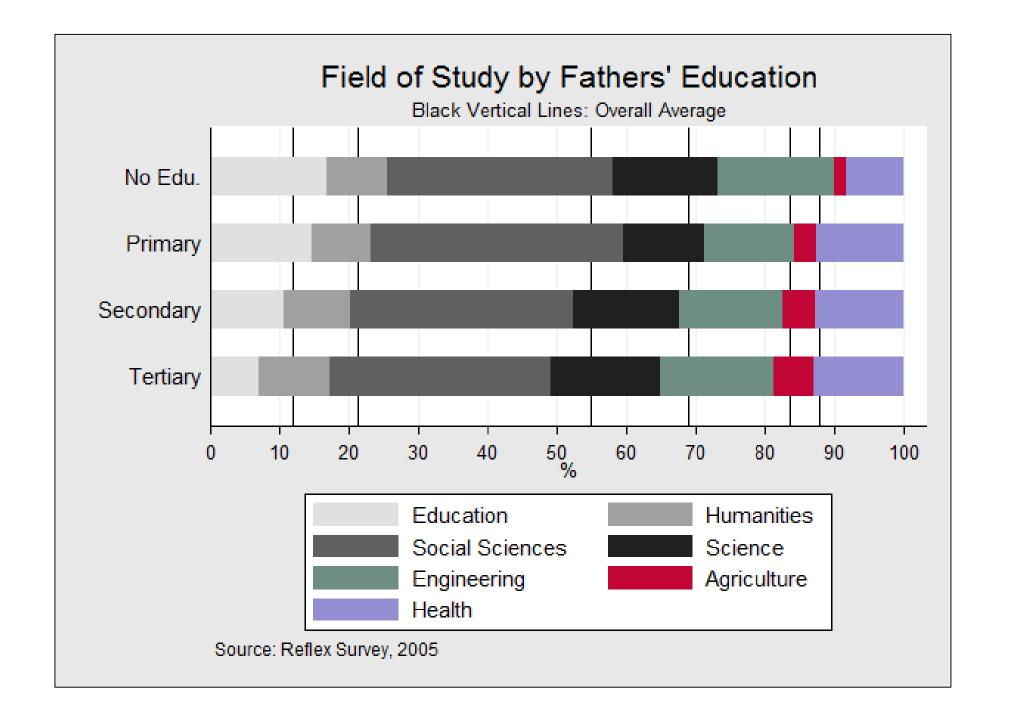
	ISCO-88 major groups	
I+II Service Class	1 - Managers, senior officials and legislators	
	2 - Professionals	
	3 - Technicians and associate professionals	3
	 4 - Clerks 5 - Service and sales workers 6 - Skilled agricultural and fishery workers 7 - Craft and related trades workers 8 - Plant and machine operators, and assemblers 	2
	9 - Elementary occupations	1
	0 – Military occupations	1+4

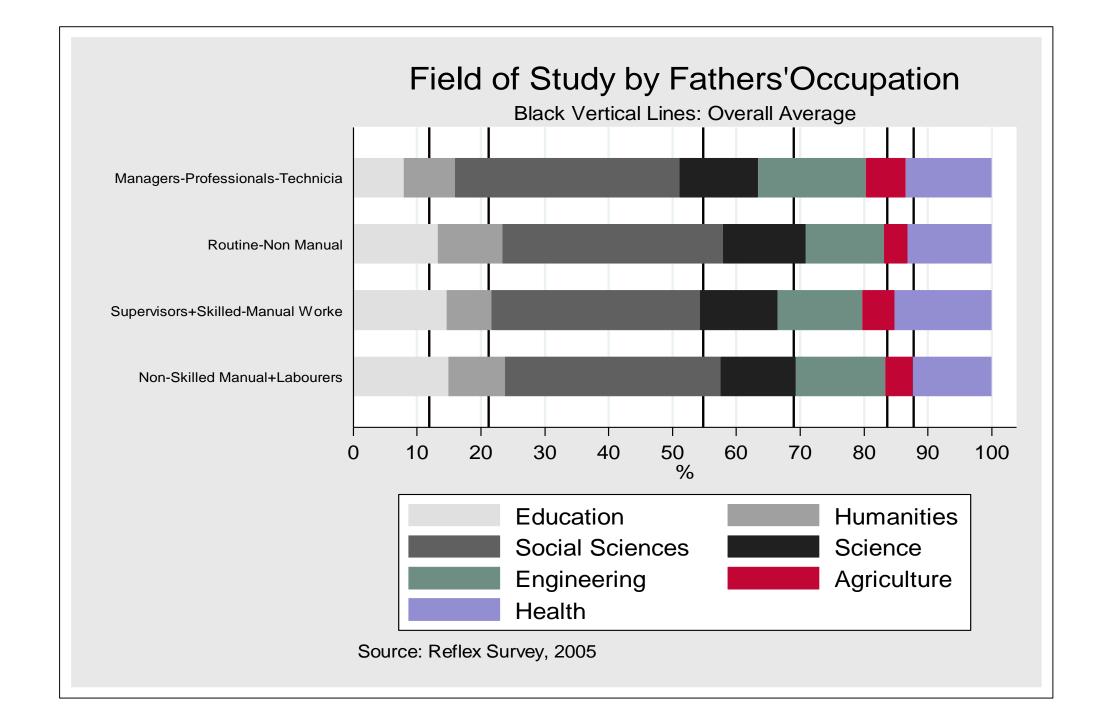
ISCO-88 Skill Level	ISCED-97 groups
4	 6 - Second stage of tertiary education (leading to an advanced research qualification) 5a - First stage of tertiary education, 1st degree (medium duration)
3	5b - First stage of tertiary education (short or medium duration)
2	 4 - Post-secondary, non-tertiary education 3 - Upper secondary level of education 2 - Lower secondary level of education
1	1 - Primary level of education

Source: International Labour Organization









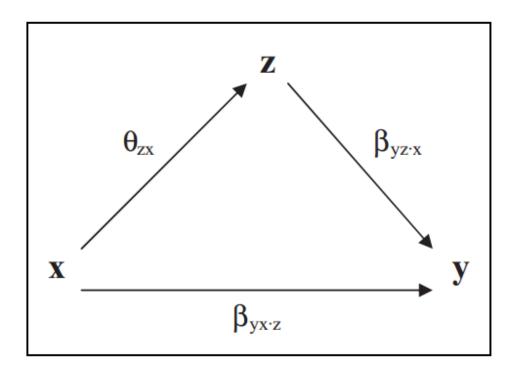
KHB DECOMPOSITION METHOD

(Breen et al. 2013; Triventi 2013)

Direct :
$$b_{yx.z} = \frac{\beta_{yx.z}}{\sigma_e}$$
.

Indirect:
$$\theta_{zx}b_{yz.x} = \frac{\theta_{zx} \times \beta_{yz.x}}{\sigma_e}$$
.

Total:
$$\frac{\beta_{yx}}{\sigma_e} = \frac{\beta_{yx \cdot z} + \theta_{zx} \times \beta_{yz \cdot x}}{\sigma_e}.$$



 X_1 = Fathers' Educational Level

 X_2 = Fathers' Occupational level

Z = Field of Study

Y = Overeducation

DECOMPOSITION OF SOCIAL ORIGINS: DIRECT AND INDIRECT EFFECTS INDIRECT EFFECT VIA FIELD OF STUDY DIRECT EFFECT NET OF FIELD OF STUDY

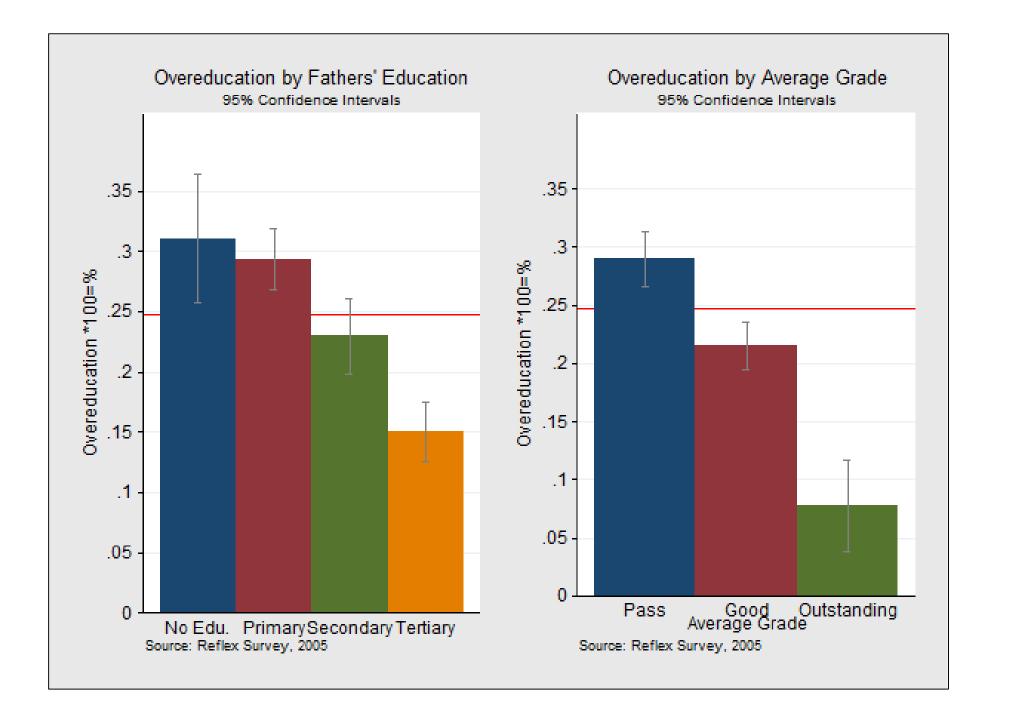
V-D/OVEREDI ICATIONI)

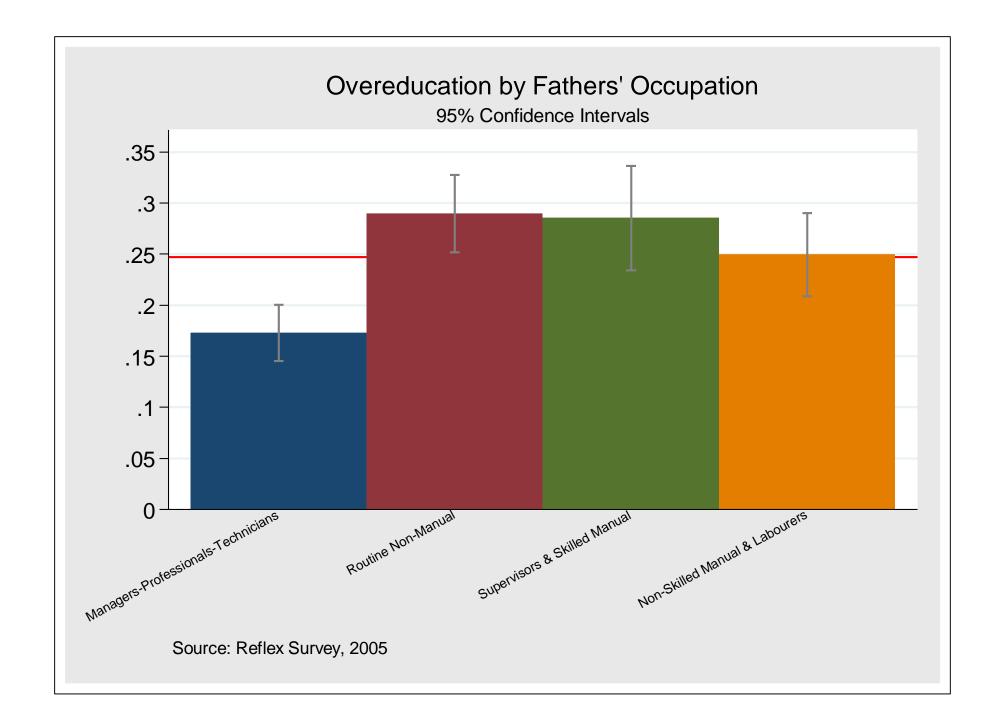
FATHERS' OCCUPATION

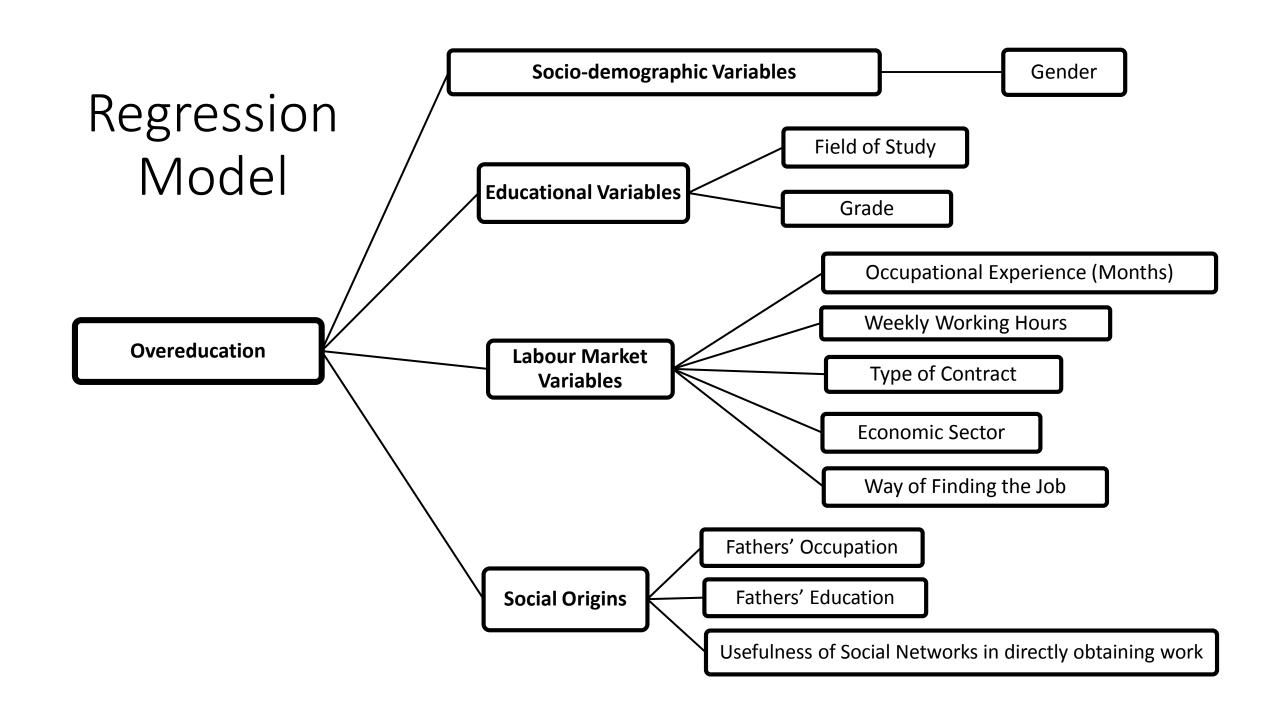
Y=P(OVEREDUCATION)	Coef.	Std.	P> z	Indirect	
(N=1496)		Err.		Effect %	
Model 1: Fathers' Occupation (Managers, Professionals & Te				echnicians)	
Routine Non-Manual Worke	ers			29.31%	
Total Effect	0.751	0.244	0.002***		
Direct Effect	0.531	0.243	0.029**		
Indirect Effect	0.220	0.219	0.315		
Supervisors and Skilled Man	iual Worke	ers		4.06 %	
Total Effect	0.594	0.284	0.037**		
Direct Effect	0.570	0.285	0.046**		
Indirect Effect	0.024	0.219	0.912		
Non-Skilled Manual Workers and Labourers				14.94%	
Total Effect	0.444	0.272	0.103		
Direct Effect	0.377	0.273	0.167		
Indirect Effect	0.066	0.220	0.763		

FATHERS' EDUCATION

Y=P(OVEREDUCATION) (N=1496)	Coet.	Sta. Err.	P> Z	Effect %
Model 2: Fathers' Educational Level (Tertiary)				
No Education				19.42 %
Total Effect	1.184	0.391	0.002***	
Direct Effect	0.954	0.393	0.015**	
Indirect Effect	0.230	0.256	0.369	
Primary				35.78%
Total Effect	0.855	0.269	0.001***	
Direct Effect	0.549	0.268	0.041**	
Indirect Effect	0.306	0.255	0.230	
Secondary				18.75 %
Total Effect	0.593	0.286	0.038**	
Direct Effect	0.482	0.284	0.090*	
Indirect Effect	0.111	0.254	0.661	

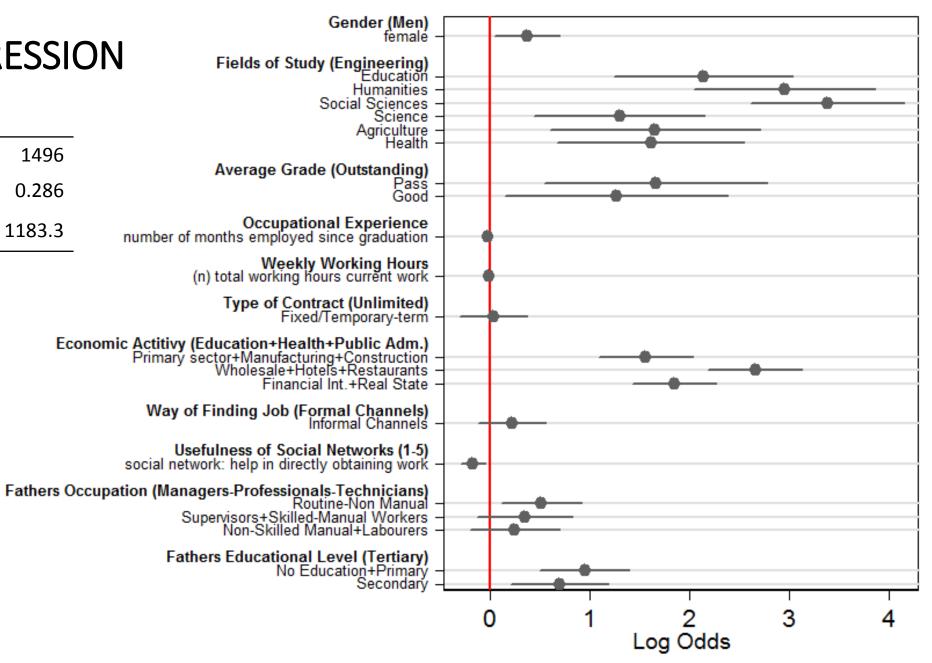




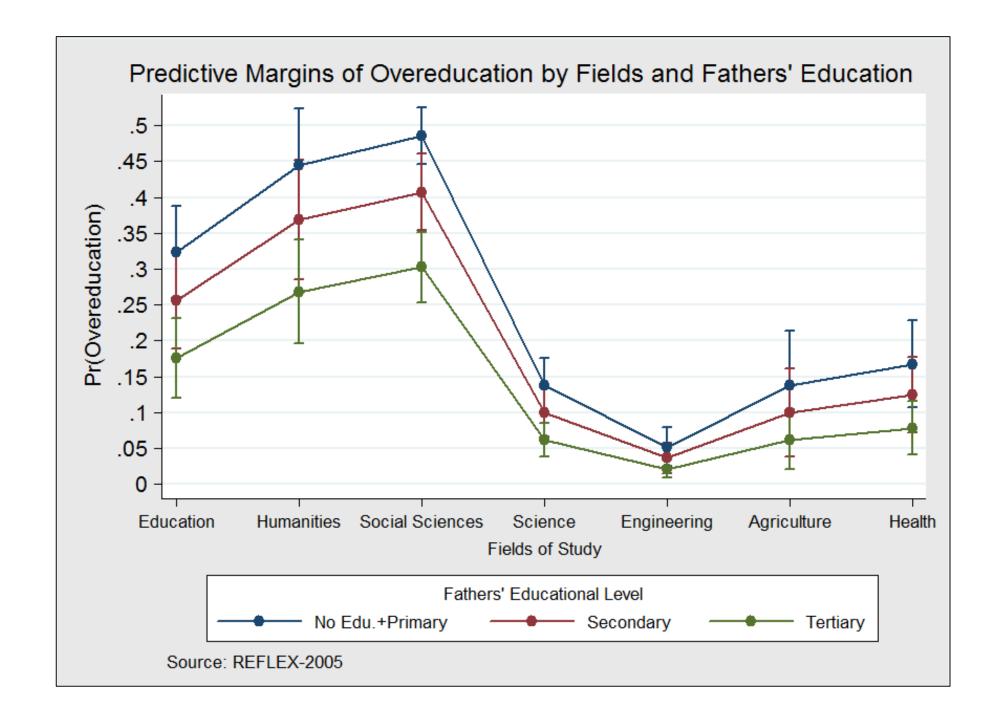


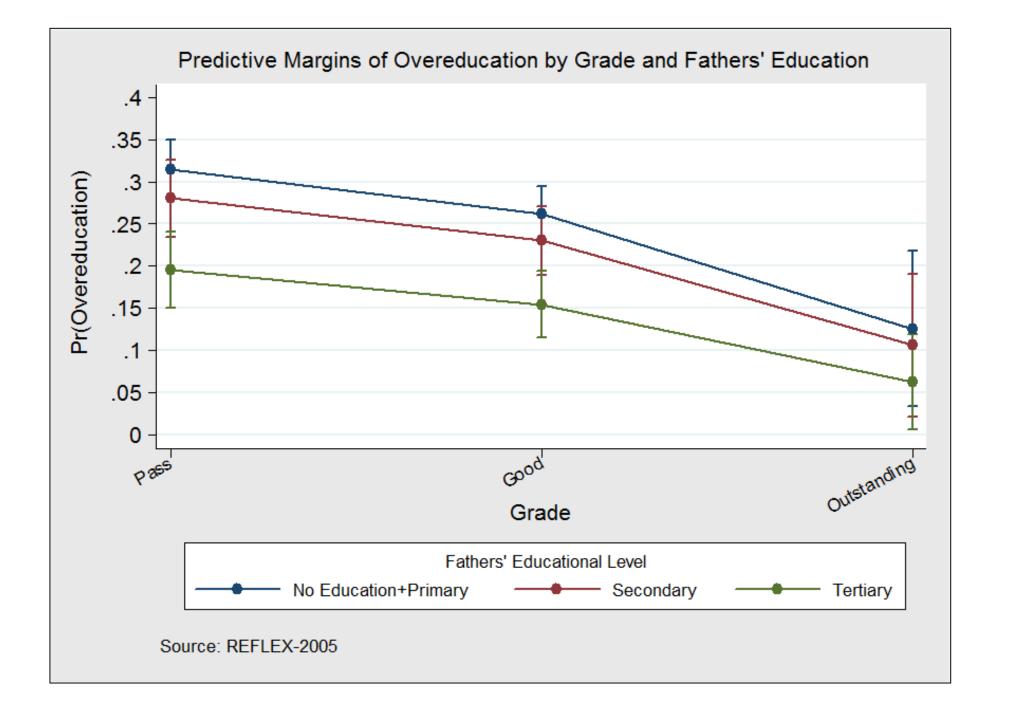
LOGIT REGRESSION MODEL

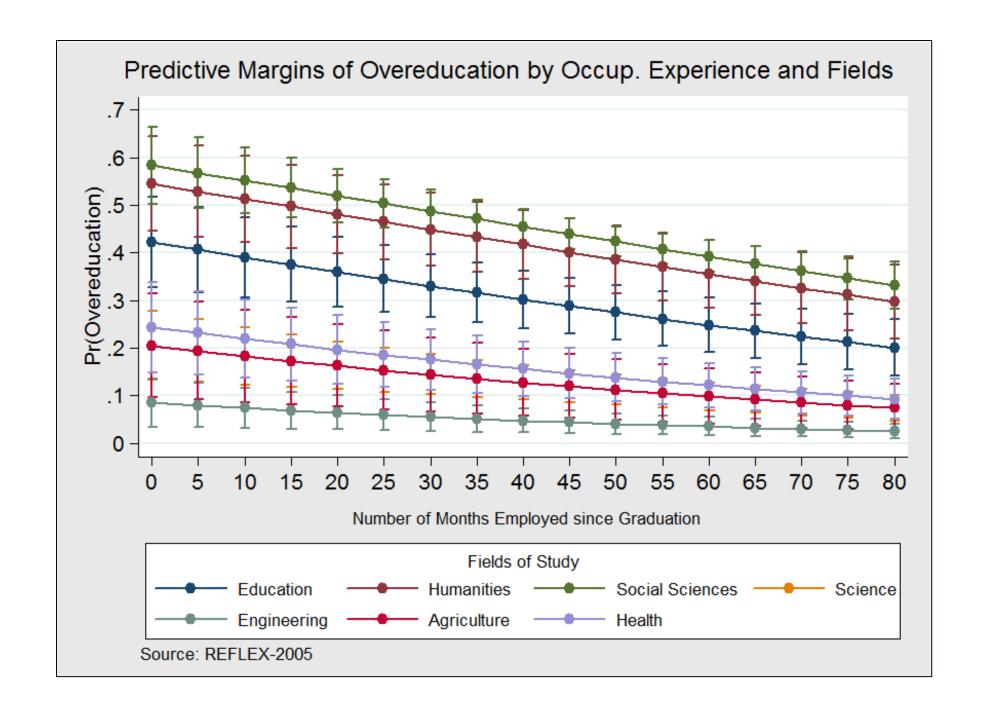


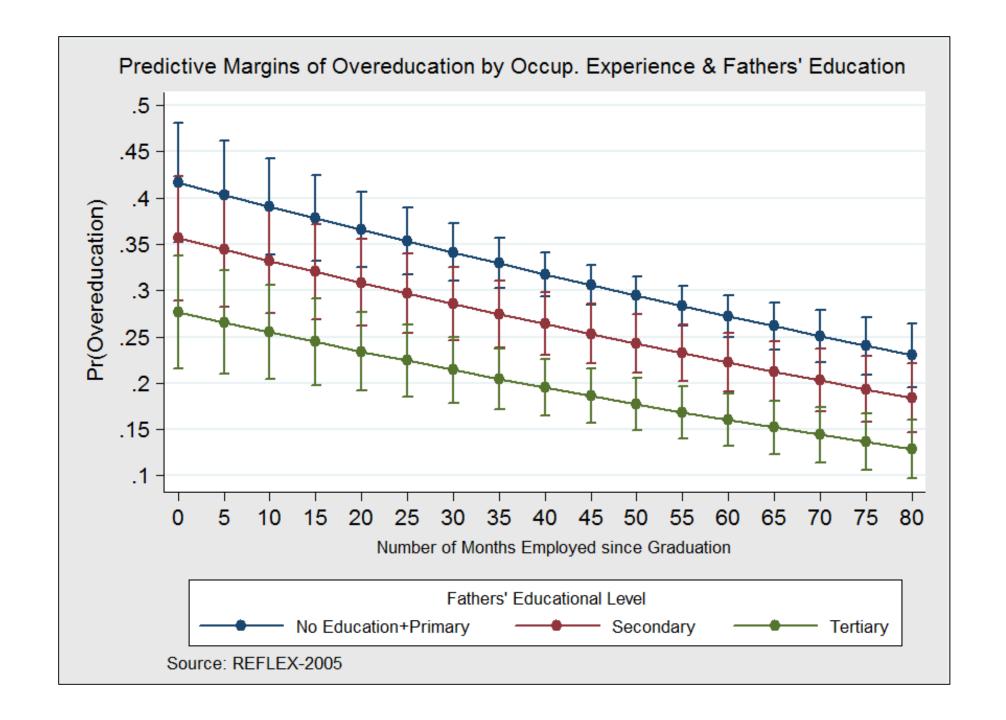


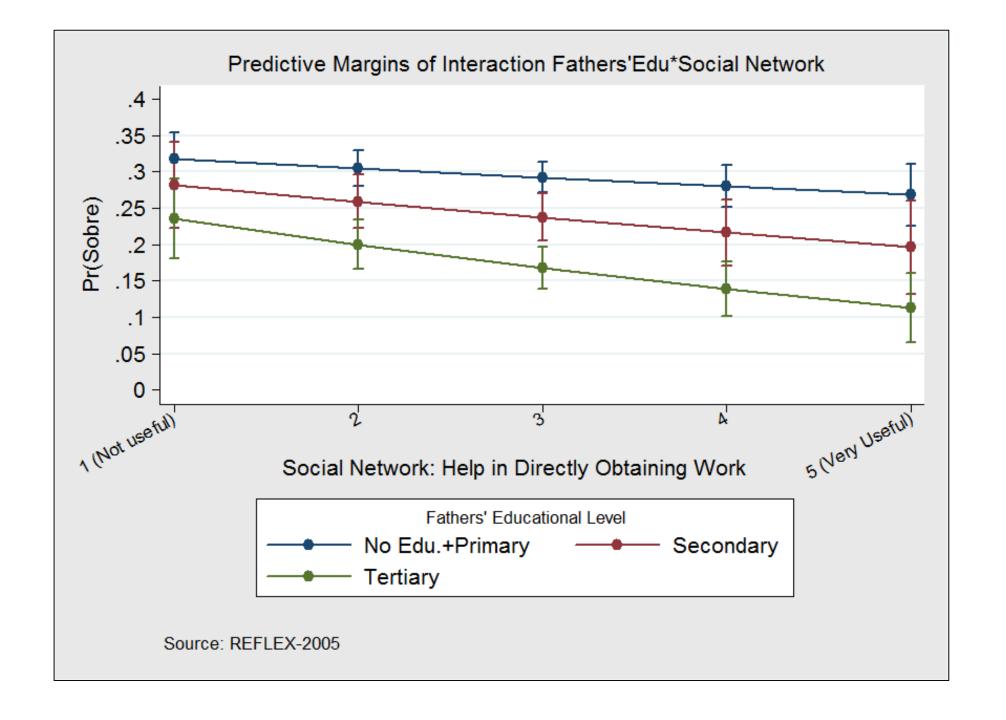
Reference categories between parentheses; Source: REFLEX 2005











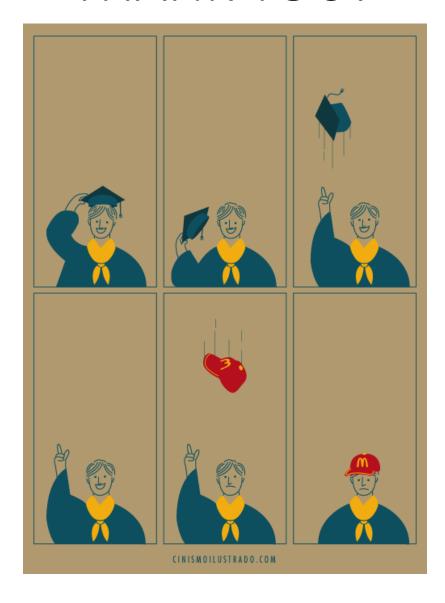
LIMITATIONS

- Is overeducation persistent or vanishes over time? **PANEL DATA NEEDED**
- Overeducation measure: CONSERVATIVE; POSSIBLE UNDERESTIMATION
- Variables on social background: **IMPERFECT PROXIES**
- MOTHERS' BACKGROUND IN FUTURE RESEARCH
- Non-significant effect of background via field of study: AGGREGATION OF FIELDS?
- Self-selection of low background graduates: INEQUALITY OF EDUCATIONAL OPPORTUNITIES
- Social networks: WEAK OR STRONG TIES?

CONCLUSIONS & DISCUSSION

- Direct effect of social background over and above tracks, grade and occupational experience: NON-MERITOCRATIC UNIVERSITY TO WORK TRANSITION
- Overeducation strongly depends on the field of study: education, humanities and social sciences, but social background is not related to tracks' election. Fathers' education matters in these fields: **SOFT/NON-COGNITIVE SKILLS?**
- Graduates overeducated in Wholesale, hotels and restaurants sector and financial int. and real state at 30 years old working as clerks: **LONG-TERM TRAP OR TRANSITION EFFECT?** (Bernardi and Garrido, 2008).
- OVEREDUCATION AS A LABOUR MARKET STRUCTURAL PROBLEM?: "Educational expansion has grown at a faster rate than the creation of highly qualified jobs in the labour market (Bernardi 2012:7)."

THANK YOU!



Spanish Labour Force by Economic Sectors (1992-2008)

