



Education Economics >

Volume 19, 2011 - Issue 5

1,968 | 31

Views | CrossRef citations to date | Altmetric

Original Articles

Specificity of occupational training and occupational mobility: an empirical study based on Lazear's skill-weights approach

Regula Geel , Johannes Mure & Uschi Backes-Gellner

Pages 519-535 | Received 19 Dec 2008, Accepted 06 Jan 2010, Published online: 18 May 2010

Cite this article <https://doi.org/10.1080/09645291003726483>

Sample our
Education
Journals



>> **Sign in here** to start your access
to the latest two volumes for 14 days

Full Article

Figures & data

References

Citations

Metrics

Reprints & Permissions

Read this article

Share

Abstract

According to standard human capital theory, firm-financed training cannot be explained if the skills obtained are general in nature. Nevertheless, in German-speaking countries, firms invest heavily in apprenticeship training although the skills are assumed to be general. In our paper, we study the extent to which apprenticeship training is general at all and how specificity of training may be defined based on Lazear's skill-weights approach. We build occupation-specific skill-weights and find that the more specific the skill portfolio in an occupation, the higher the net costs firms have to bear for these apprenticeship training occupations and, at the same time, the smaller the probability of an occupational change during an employee's entire career. Due to the new definition of occupational specificity, we thus find that apprenticeship training – previously assessed as general training – is very heterogeneous in its specificity.

Acknowledgements

This research is partly funded by the Swiss Federal Office for Professional Education and Technology through its Leading House on Economics of Education, Firm Behaviour and Training Policies. We thank Edward P. Lazear, and the participants of the Economics of Education Session of the German Economic Association in Bern, of the international conference of economics of education in Zurich and of the research seminars at the University of Zurich for helpful comments and suggestions. The data used in this paper were collected by the 'Bundesinstitut für Berufsbildung (BIBB)' and the 'Institut für Arbeitsmarkt-und Berufsforschung (IAB)' and are documented by the German Zentralarchiv für Empirische Sozialforschung at the University of Cologne (ZA). Neither the producers of the data nor the ZA bear any responsibility for the analysis and interpretation of the data in this paper.

Notes

Since the number of occupations in these cost evaluations is limited, we have to concentrate the empirical analysis in this paper on these particular occupations.

The cost evaluation 1991 includes only training firms from West Germany, while the newest study also includes East Germany. Not only were the labour market structures (and thus mobility) of the two parts of the country quite different, but also training compensation and therefore training costs differ considerably.

To homogenise our sample, we exclude female employees as they show a different behaviour towards mobility than their male counterparts. We cannot control for any interruption in working life, e.g. pregnancy or maternity leave.

A complete list of skills in the data-sets can be found in Appendix 1, Table A2.

A complete list of all analysed apprenticeship training occupations in this paper can be found in Appendix [1](#), Table A3.

We use ranks instead of relative frequencies to normalise our explanatory variable. The specificity degree must not be distorted by the number of acquired skills in an occupation. If this were the case, we would replicate the (low or high) skill level of an education, instead of the specificity of a skill combination.

We are able to perfectly match 28 training occupations in the 1980s, 11 training occupations in the early 1990s, and 35 occupations in the late 1990s. Overall, this makes 74 cases with different degrees of occupational specificity.

As we use broad classification codes, an employee is in case of upward career mobility (e.g. promotion) nonetheless still classified in the same occupation and therefore no horizontal occupational change occurred despite this career move.

Related research

People also read

Recommended articles

Cited by
31

Information for

Authors

R&D professionals

Editors

Librarians

Societies

Opportunities

Reprints and e-prints

Advertising solutions

Accelerated publication

Corporate access solutions

Open access

Overview

Open journals

Open Select

Dove Medical Press

F1000Research

Help and information

Help and contact

Newsroom

All journals

Books

Keep up to date

Register to receive personalised research and resources
by email

 Sign me up

  

  

Copyright © 2026 Informa UK Limited Privacy policy Cookies Terms & conditions

Accessibility



Registered in England & Wales No. 01072954
5 Howick Place | London | SW1P 1WG