

LUDWIG-MAXIMILIANS-UNIVERSITÄT MÜNCHEN



Diversity Sensitive Support for Vocational Orientation of Young Women

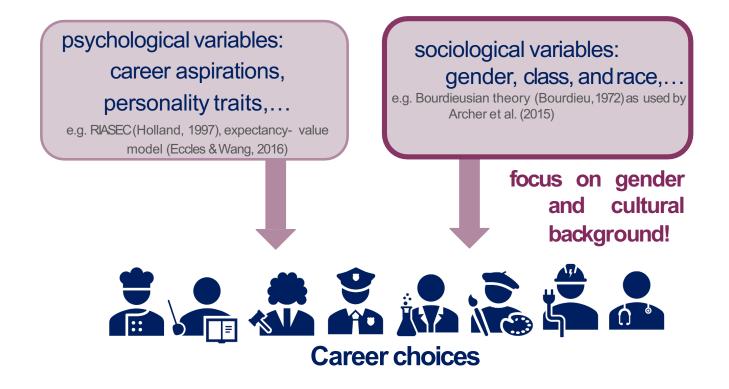


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Career choices can be explained with sociological and psychological variables

(van Tuijl & van der Molen, 2016)





Boys are more likely to



- Choose science subjects (Henderson et al., 2018; OECD, 2009; Riegle-Crumb, Moore, & Ramos-Wada, 2011)
- > work in science (Bøe, Henriksen, Lyons, & Schreiner, 2011; OECD, 2008)
- > choose male-dominated fields such asengineering (Sikora & Pokropek, 2012)

Students from ethnic minorities are less likely to

Øaspire to science careers (Archer et al., 2012b, 2012a; Archer, DeWitt, & Willis, 2014; Carlone, Webb, Archer, & Taylor, 2015)

Øwork in science (OECD, 2008)



women with migration background could be facing a double disadvantage





In school: positive effects of...



practical work experience embedded in the school curriculum

Out of school activities:

- work experiences
- contacts with universities especially for girls! (Robertson, 2000)
- young women: mother's advice (Esch & Grosche, 2011)
- the impact of YouTube science channels has not yet been understood









How could young women with migration background be supported in vocational orientation in science?







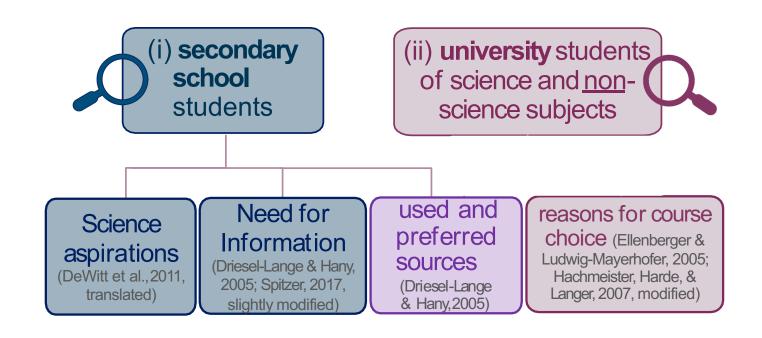








Research Design





Participants

Secondary school students

- 450 students
- 13 19 years old (M=15.3)
- paper-based questionnaire
- 45.8% female
- 49.6% migration background
- 20.9% girls with migration background

Univerity students

- 342 students
- 18 53 years old (M=23)
- pnline survey on 4 German universities
- 86.0% female
- 16.4% migration background
- 58.2% study one science subject



Summery of important results

Secondary school students

- no differences in science aspiration and the need for information
- German girls and boys with migration background use more sources
- boys more likely to use online videos
- girls more likely to consult
 - female family members
 - to visit fairs
 - to wish for open days at the universities

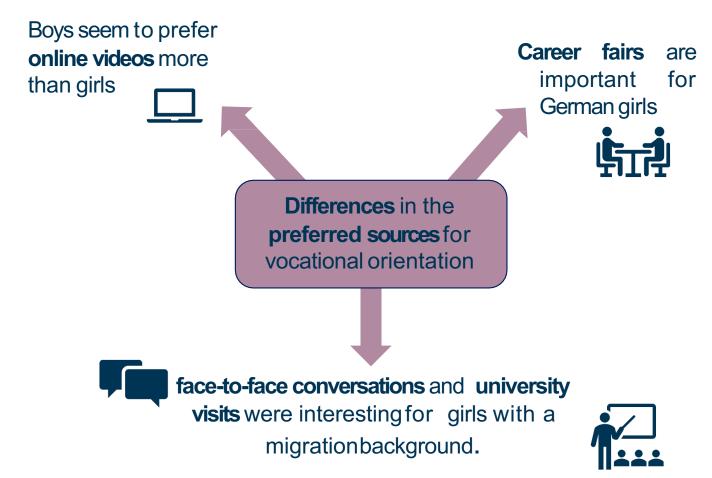


Summery of important results

University students

- used type of sources for vocational orientation
 - teacher advice
 - fairs
 - Girls'/Boys' Day
- desire types of sources for vocational orientation
 - homepages
 - company visits
 - work placements







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Possible interventions



career fairs with female consultants with different cultural backgrounds to avoid language barriers

developing online videos with science role models









Film portraits

Sarah, 23, mechanical and plant engineer



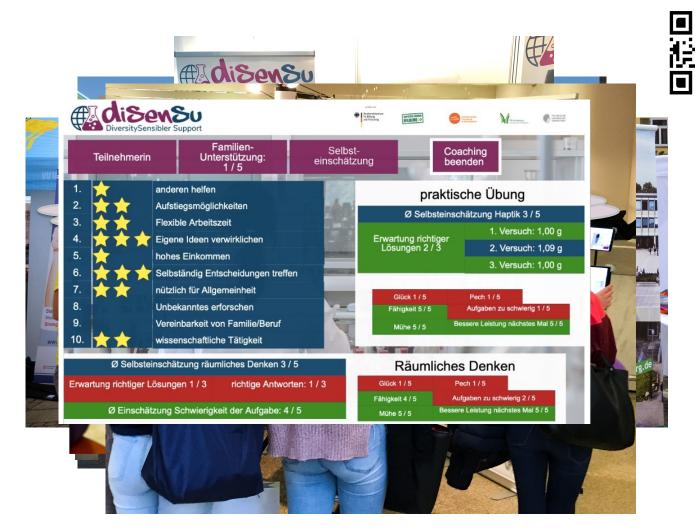






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Thank you very much for your attention!



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GEFÖRDERT VOM







This research was funded by the Federal Ministry of Education and Research as part of the project "Diversity Sensitive Support: vocational orientation in STEM for female adolescents with migration background in cooperation with parents (DiSenSu)". Funding reference numbers 01FP1725 and 01FP1726.