



# University of Bamberg



## Yes you can, just believe in yourself!

The influence of self-efficacy beliefs and self-assessment of professional skills  
on scientific career aspirations of computer scientists

Silvia Förtzsch, Anja Gärtig-Daugus



### Research approach

Questionnaire-based survey among information systems and computer science students

- Return rate: 20,59% (190 out of 923 students)
- Men: n =120; women: n =70 over three years (2013, 2014, 2015)
- Method: Wilcoxon rank-sum test and discriminant analysis

Significance: \*/\*\*/\*\*\* sig. at 10/5/1% level

### Discussion

#### Lower self-confidence seems to keep women from academic careers

- Could more positive feedback for good academic achievement strengthen self-efficacy beliefs of female students?
- If so, can women come to a more realistic view of their skills and academic abilities?

