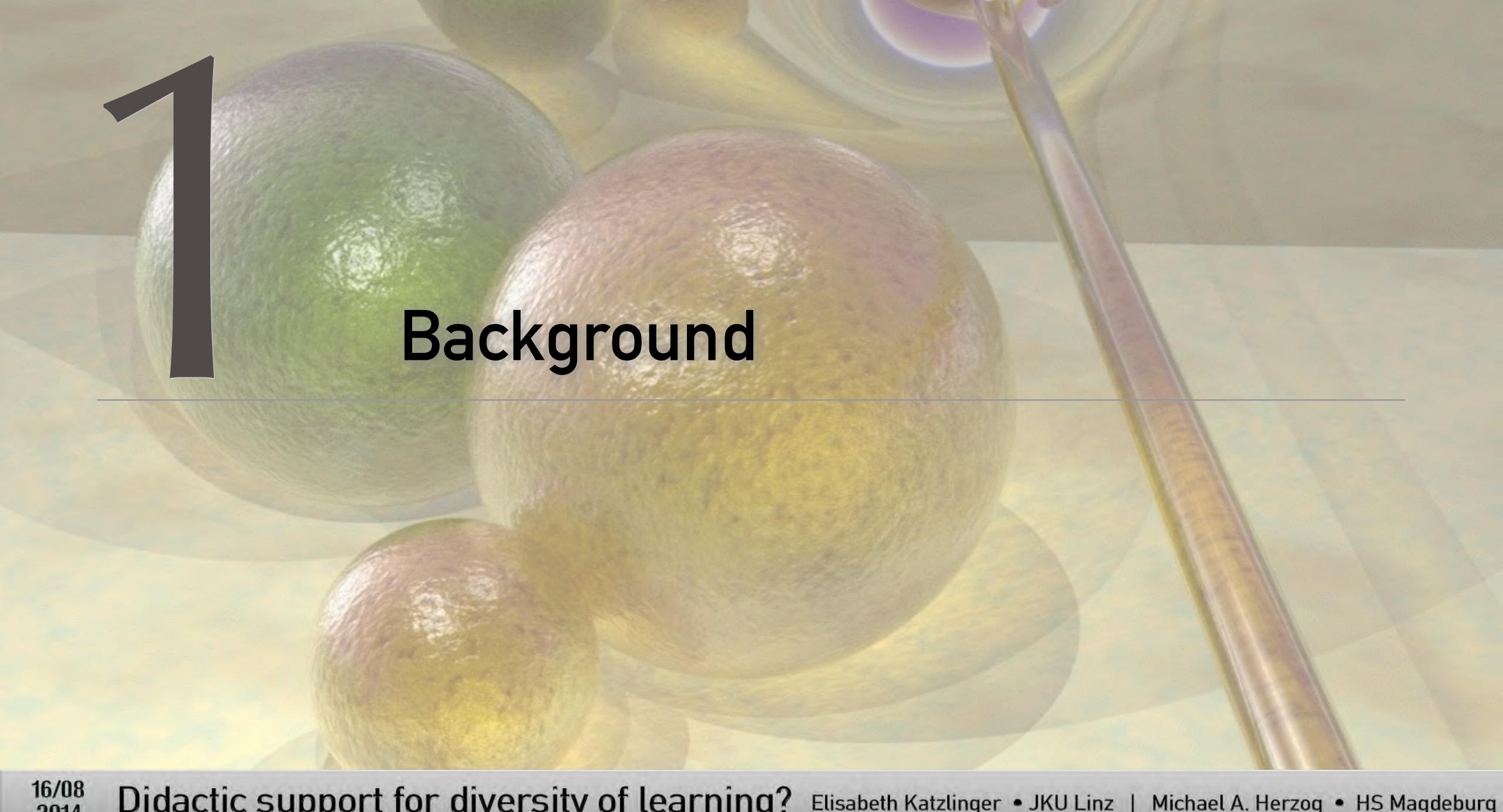
Didactic support with regards to the diversity of learning styles?

Potential analysis of three collaborative learning methods within e-business education

- 1. Background
- 2. Cross Teaching Scenario
- 3. Research Method
- 4. Result Discussion













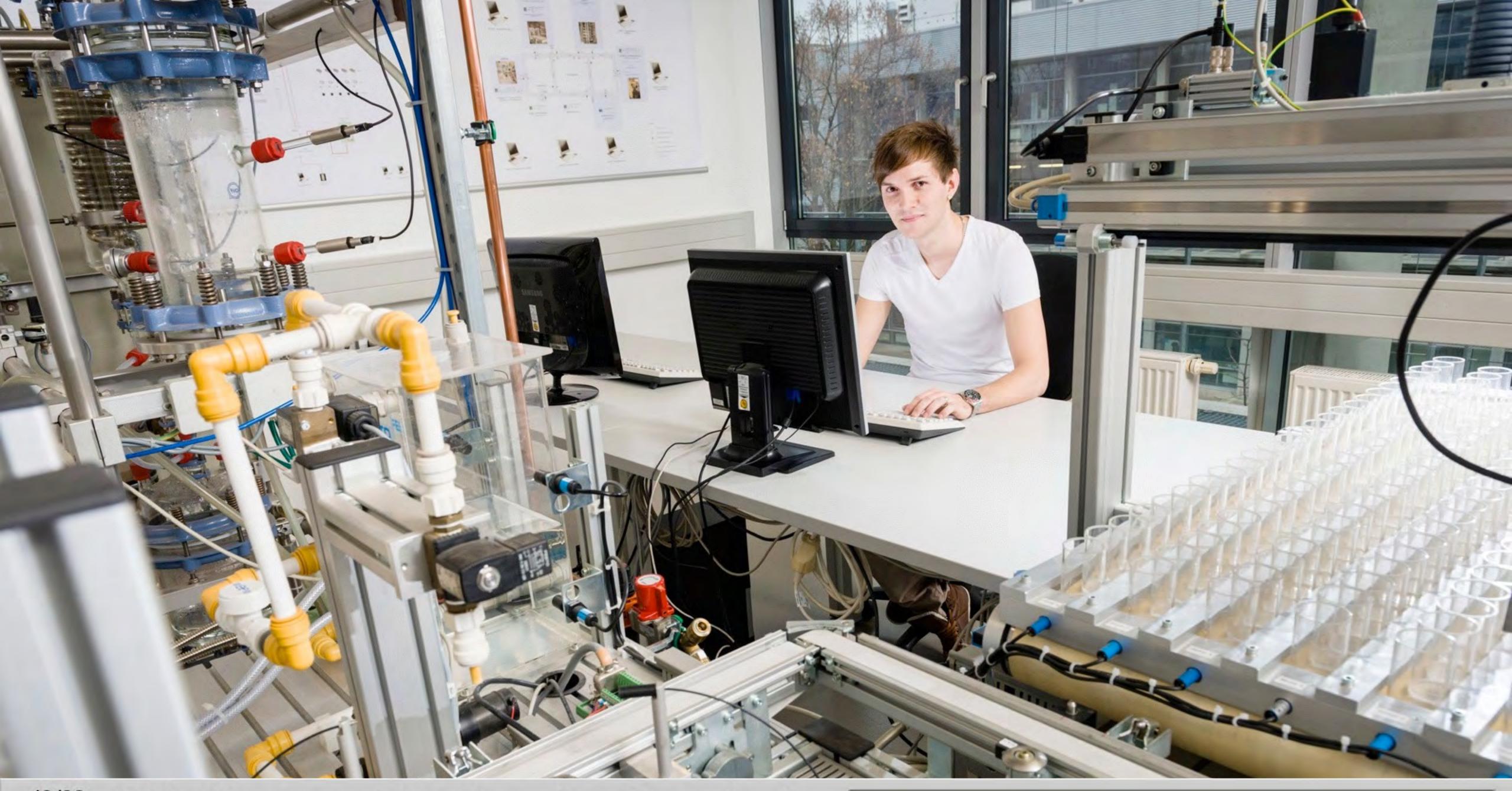














16/08 Didactic support for diversity of learning?



16/08 Didactic support for diversity of learning?





16/08 Didactic support for diversity of learning?

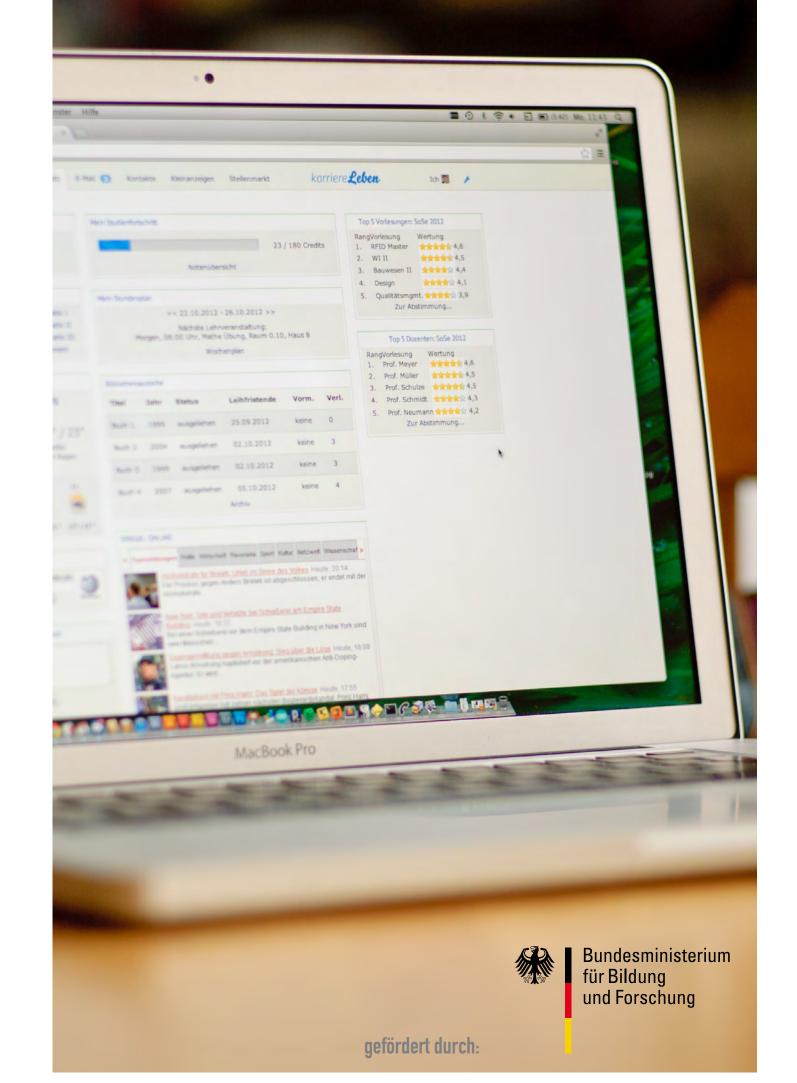




16/08 2014

Didactic support for diversity of learning?





karriereLEBEN

SocialMedia-Portal for Career- and Alumni-Development



ROSI-3D

RFID locating in consideration of moving objects in a radio field with 3D-simulation



Research group Science Projects in Radio and Information Technology



HOME EVENT PROGRAM PEOPLE PARTNERS CONTAC

deutsch english

The Economics of Communication Communication in Business Cycles



Web and Internet technologies initiated the fourth industrial revolution in less than 20 years since their entry into mainstream communication scenarios, significantly changing economics and society.

Digitization and mobile technologies speed up communication and

The conference was held on November, 8th 2013. Location: Landesvertretung Sachsen-Anhalt in Berlin, close to Berlin Central Station.

Video statements of speakers
 and committee

Our Partners

Alcatel-Lucent Stiftung for
Communications Research, Joint
Competence Center, Berlin
German Informatics Society (GI)
Ministry of Economics and
Sciences of the State of Saxony-Anhalt

- Virtual models for a sustainable economy? Moderation: Prof. Dr. Michael A. Herzog
- ► Think virtually local the ecology of new economic models

 Jesse Marsh (Innovation Policy Consulting USA | Italy)
- Sociality of Online Market Interactions Challenges and Implications
 Prof. Dr. Matthias Trier (Copenhagen Business School | Denmark)
- Does the WEB have a past and a future? Moderation: Ontje Helmich (Hochschule Magdeburg-Stendal)
- Can the web be turned into a science?
 Prof. Mag. Johann Mittendorfer (Johannes Kepler Universität Linz | Austria)
- ▶ A Closer Look at Web Archives and Accessibility Key Ingredients for Sustainable Digital Data Preservation. Dr. Martin Klein (Los Alamos National Laboratories | USA)
- ICT as a catalyzer for a sustainable development?
 Moderation: Dr. Erich Zielinski (Alcatel Lucent Stiftung)
- ► ICT as an instrument for more sustainability: Why it is not so easy.

 Prof. Dr. Drs. h.c. Arnold Picot (Ludwig-Maximilians-Universität München)
- Emerging ICT-Markets: Are they reliable? A story from Berlin.

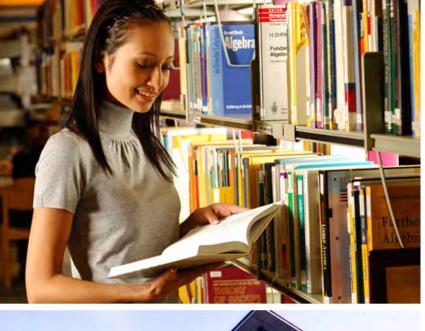
 Prof. Dr. Volker Wiedemer (Magdeburg-Stendal University of Applied Sciences)
- ► ICT markets are going green. The other story from Silicon Valley. Florian Brody (Brody & Partner San Francisco | USA)
- Bridge: ICT for Connecting Knowledge and Knowing

 Dr. Viktor Dörfler (University of Strathclyde Business School Glasgow | UK)

http://eco-com.net









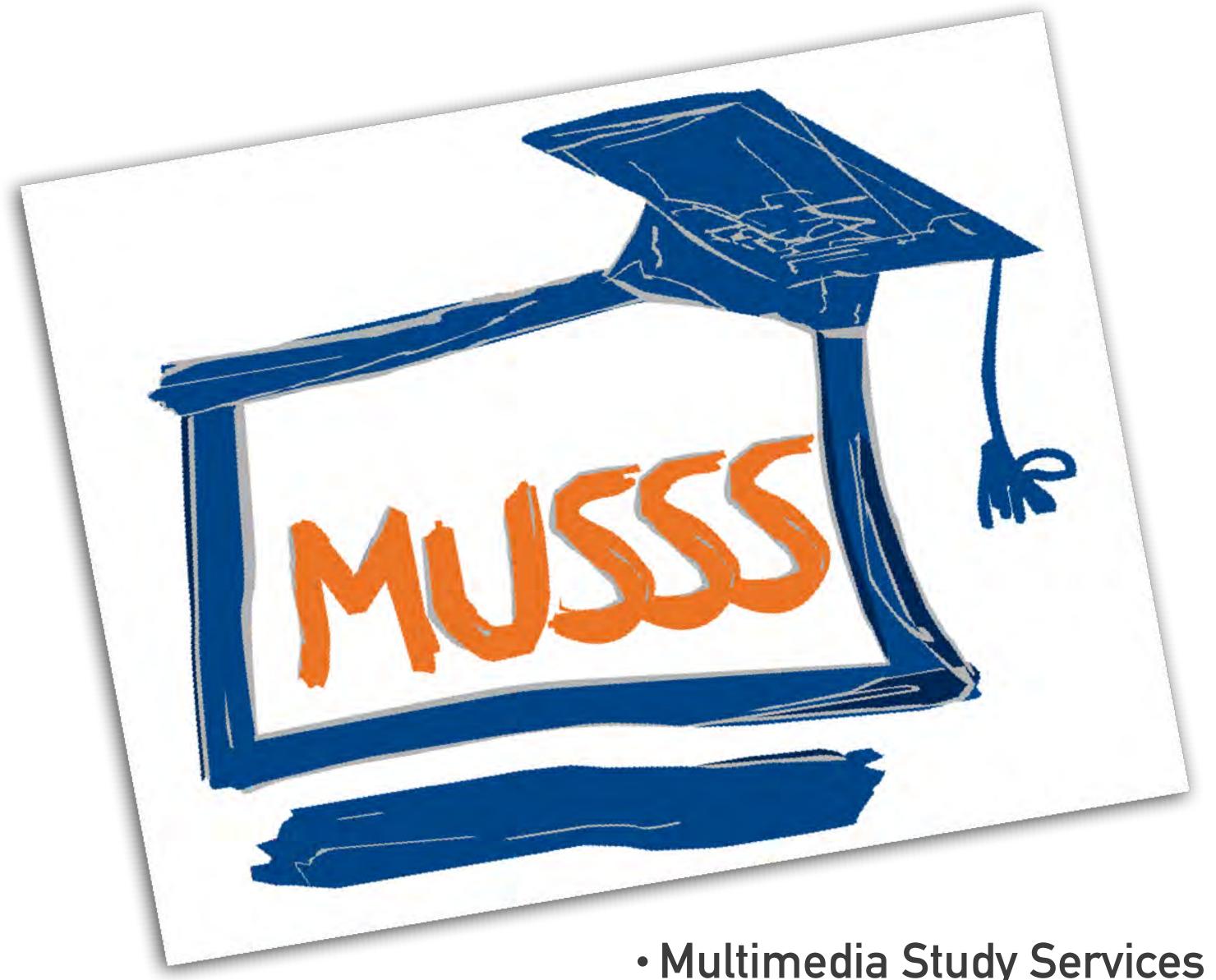
Johannes Kepler Universität Linz





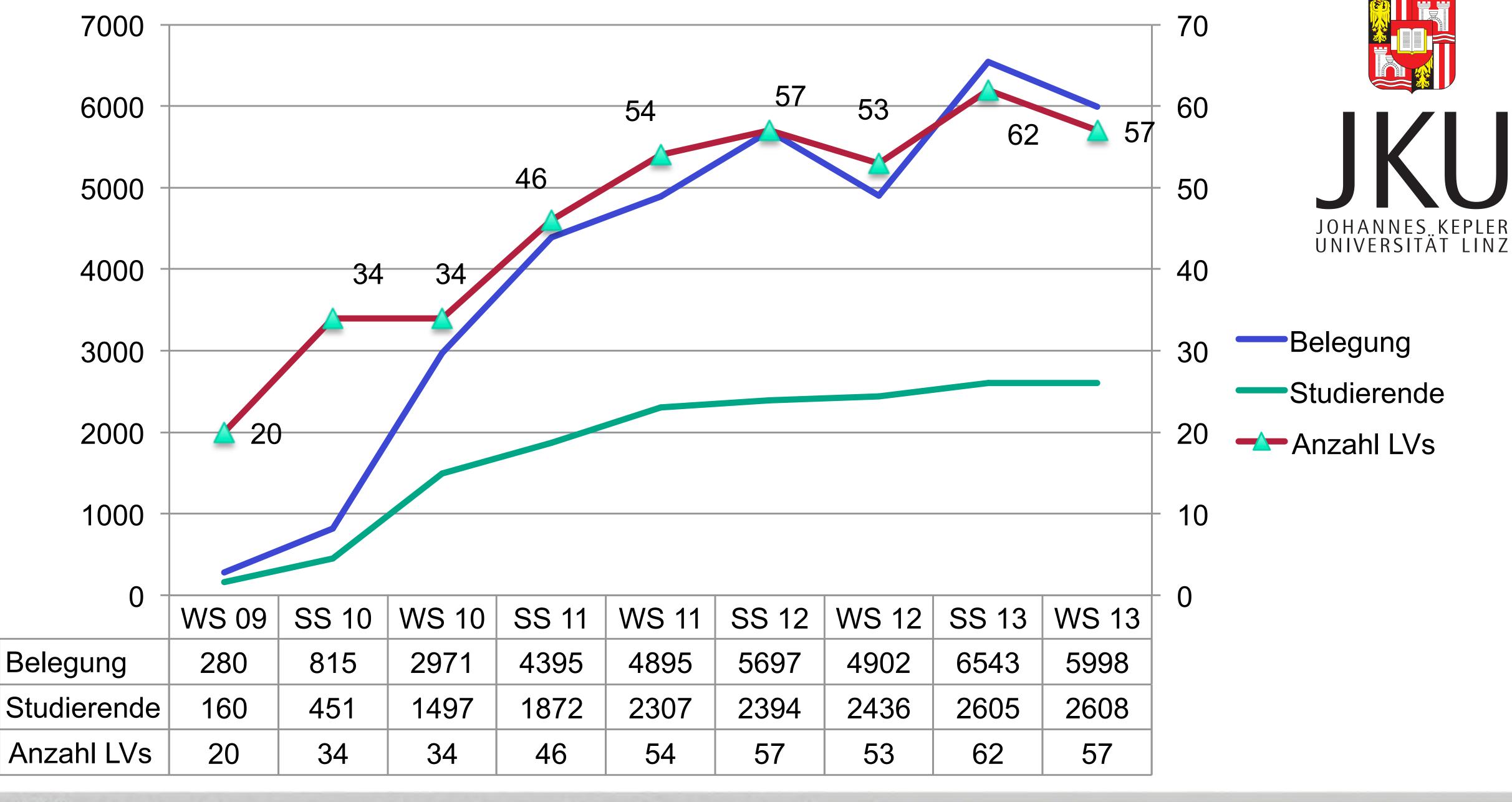
- Faculty of Social sciences, Business and Economics
- Faculty of Engineering and Natural Sciences
- Faculty of Law
- Dept. of Data Processing in Social Sciences, Economics and Business
 - Information Systems
 - Business and Internet (E-Business)
 - Interactive Media
 - E-Learning







Multimedia Study Services for Social Sciences and Economics





Cross Teaching Scenario Motivation Scenario Learning Setting 16/08 2014 Didactic support for diversity of learning? Elisabeth Katzlinger • JKU Linz | Michael A. Herzog • HS Magdeburg



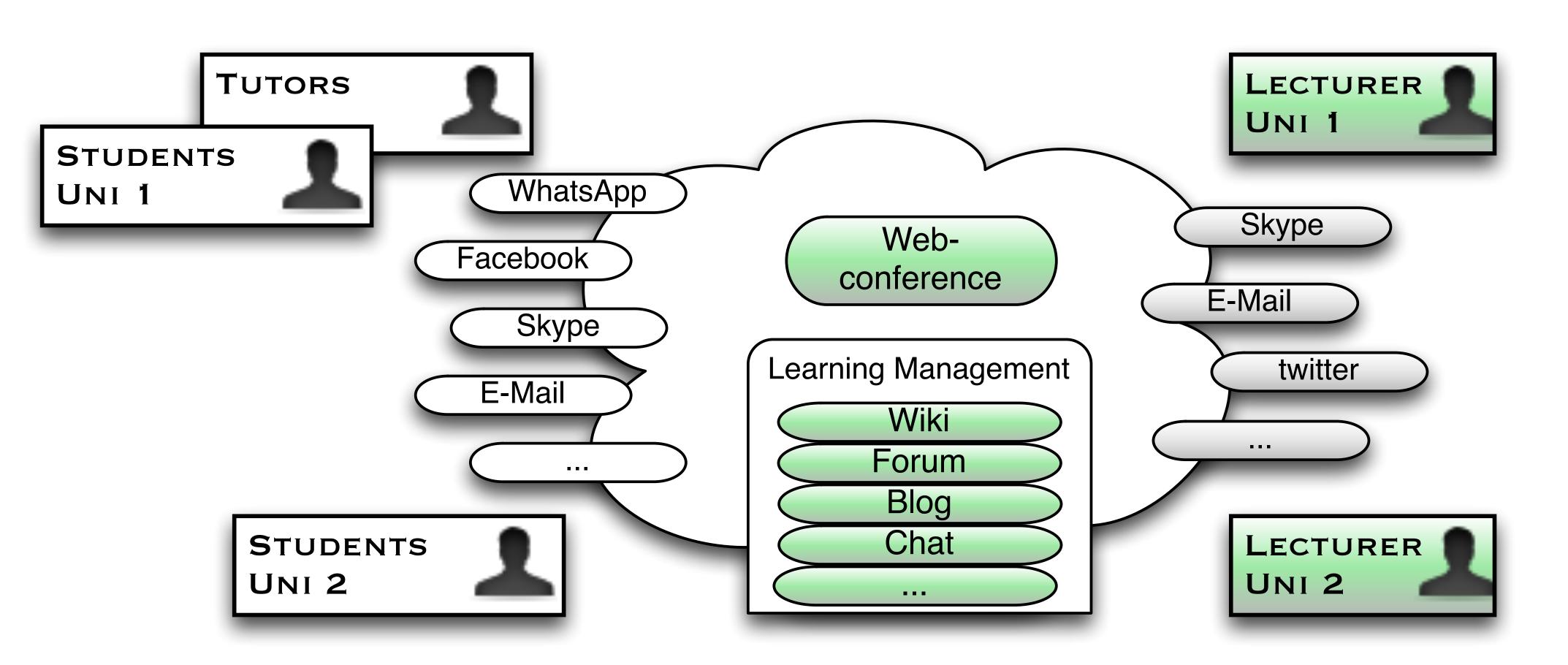
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Didactic support for diversity of learning?

Cross-Teaching-Szenario



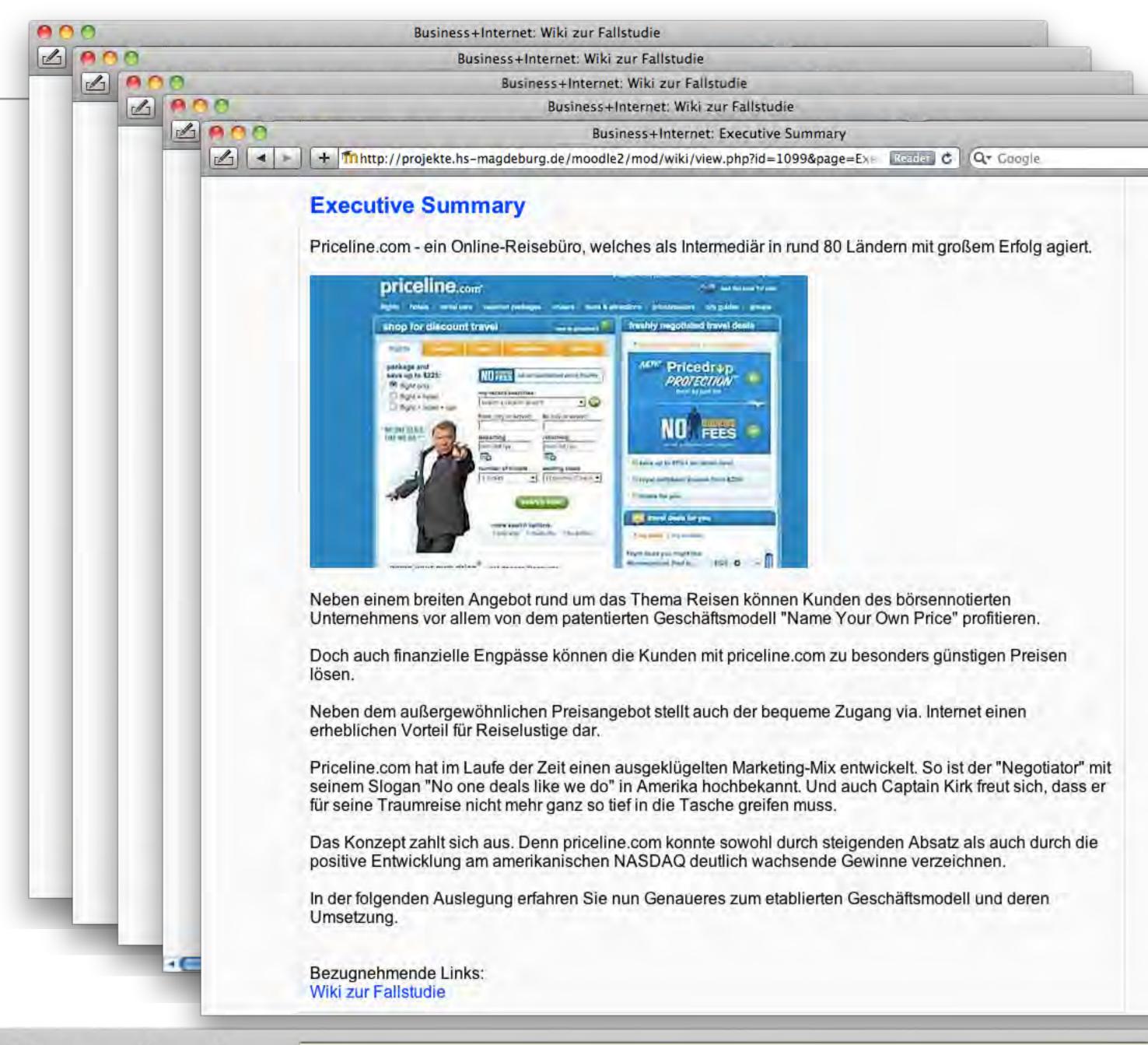






Scope of work

- ► Elaboration of an E-Business case study:
 - Predetermined, e.g. Harvard Business Manager
 - Self investigated,
 e.g. business case
- Learning outcome
 - Wiki documentation
 - Presentation at home campus

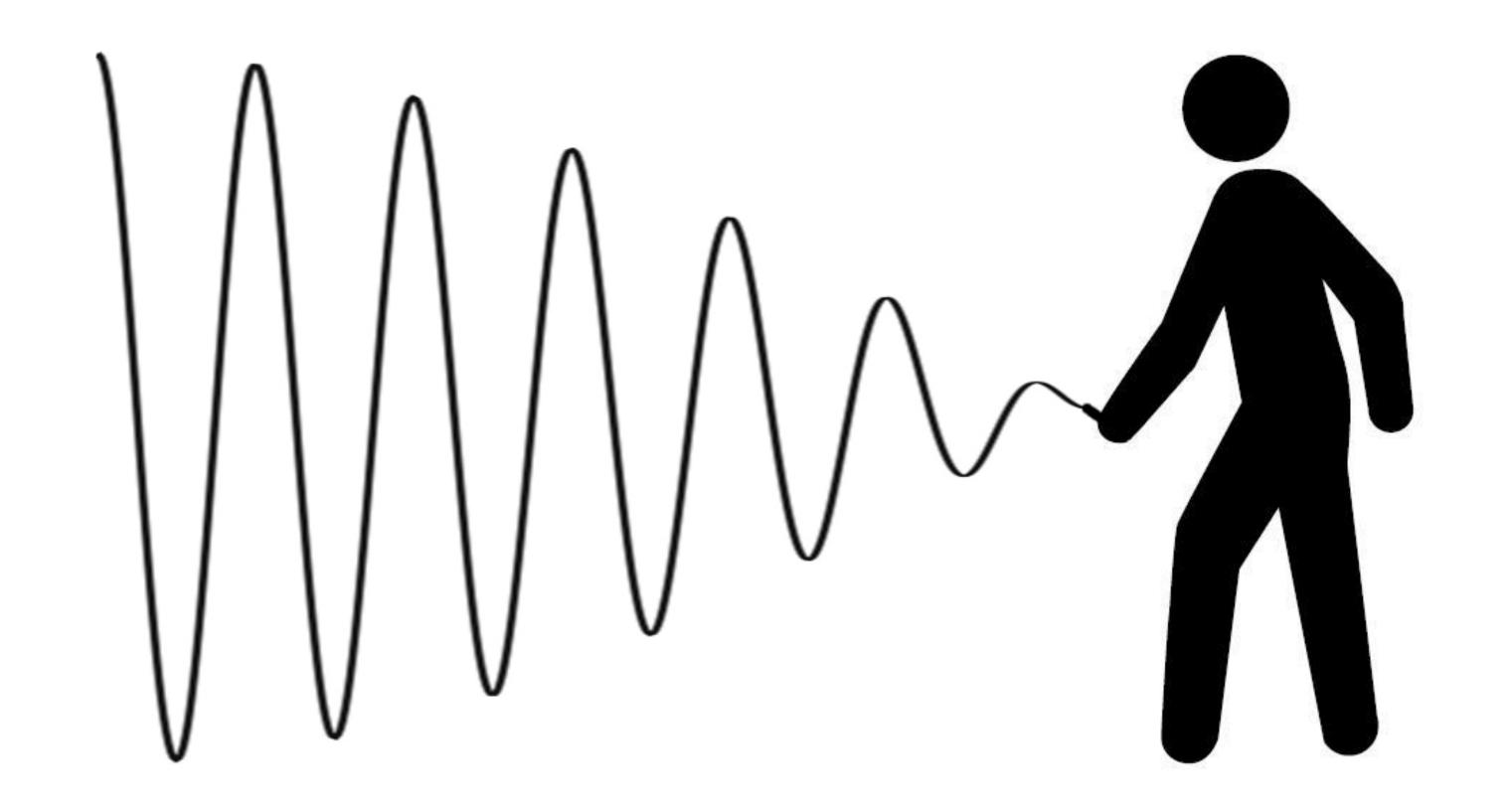


Beer Distribution Game

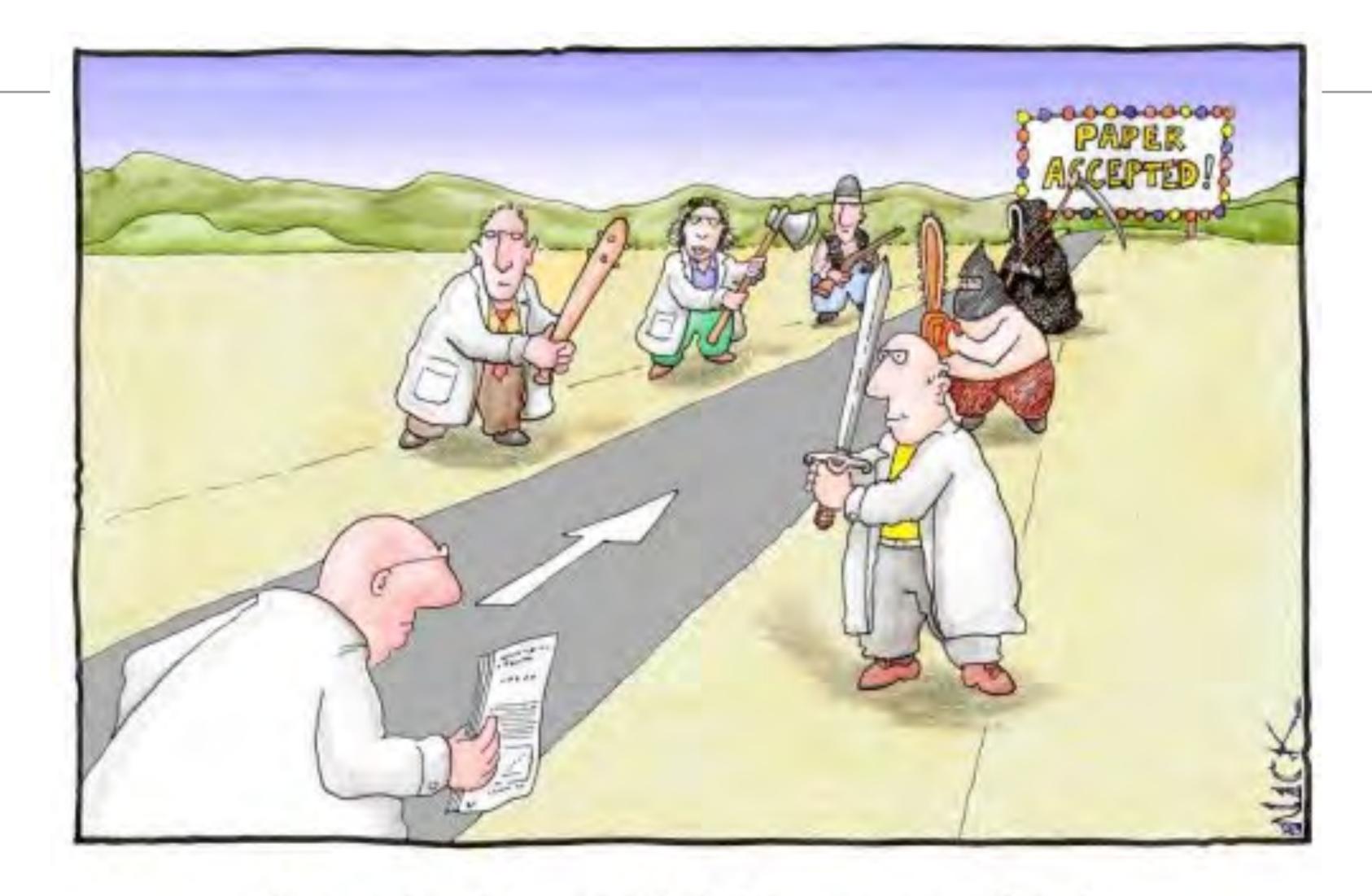
- Online simulation game about Supply Chain Management (SCM)
- Developed as a board game by Sloan System Dynamic Group at MIT in the 60th
- ▶ Played by 1.000nds of students in management education

Beer Distribution Game

Bullwhip-effect

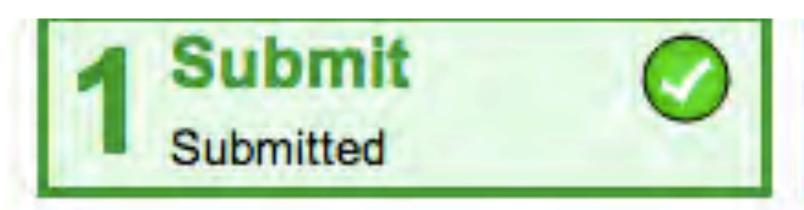


Peer-review

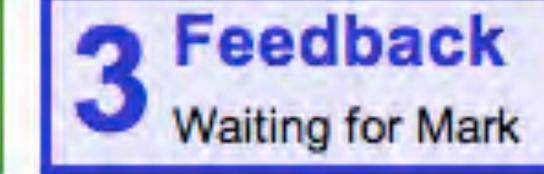


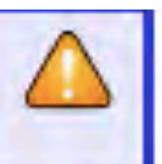
Most scientists regarded the new streamlined peer-review process as 'quite an improvement.'

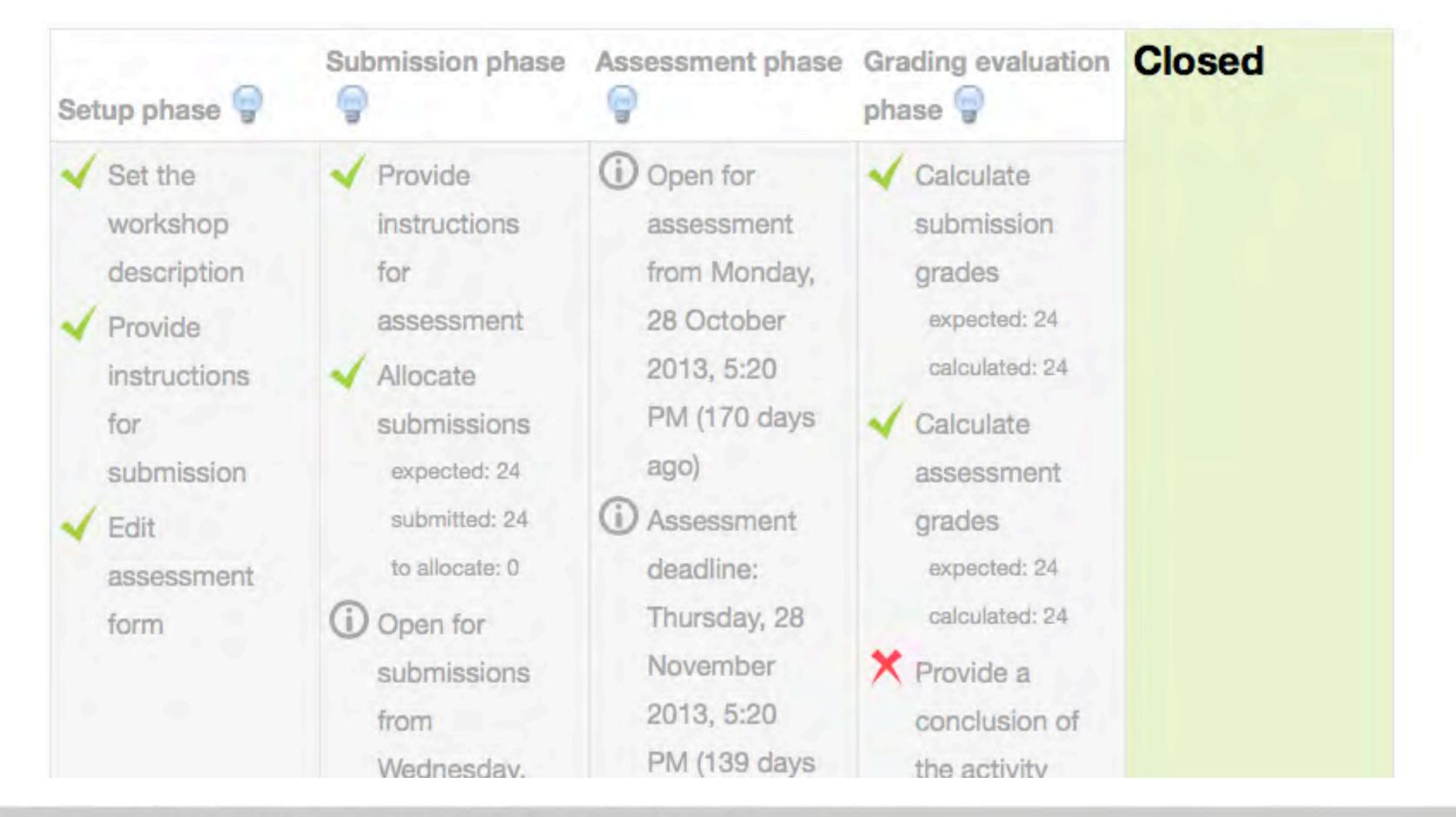
Workshop activity in Moodle











Research Method

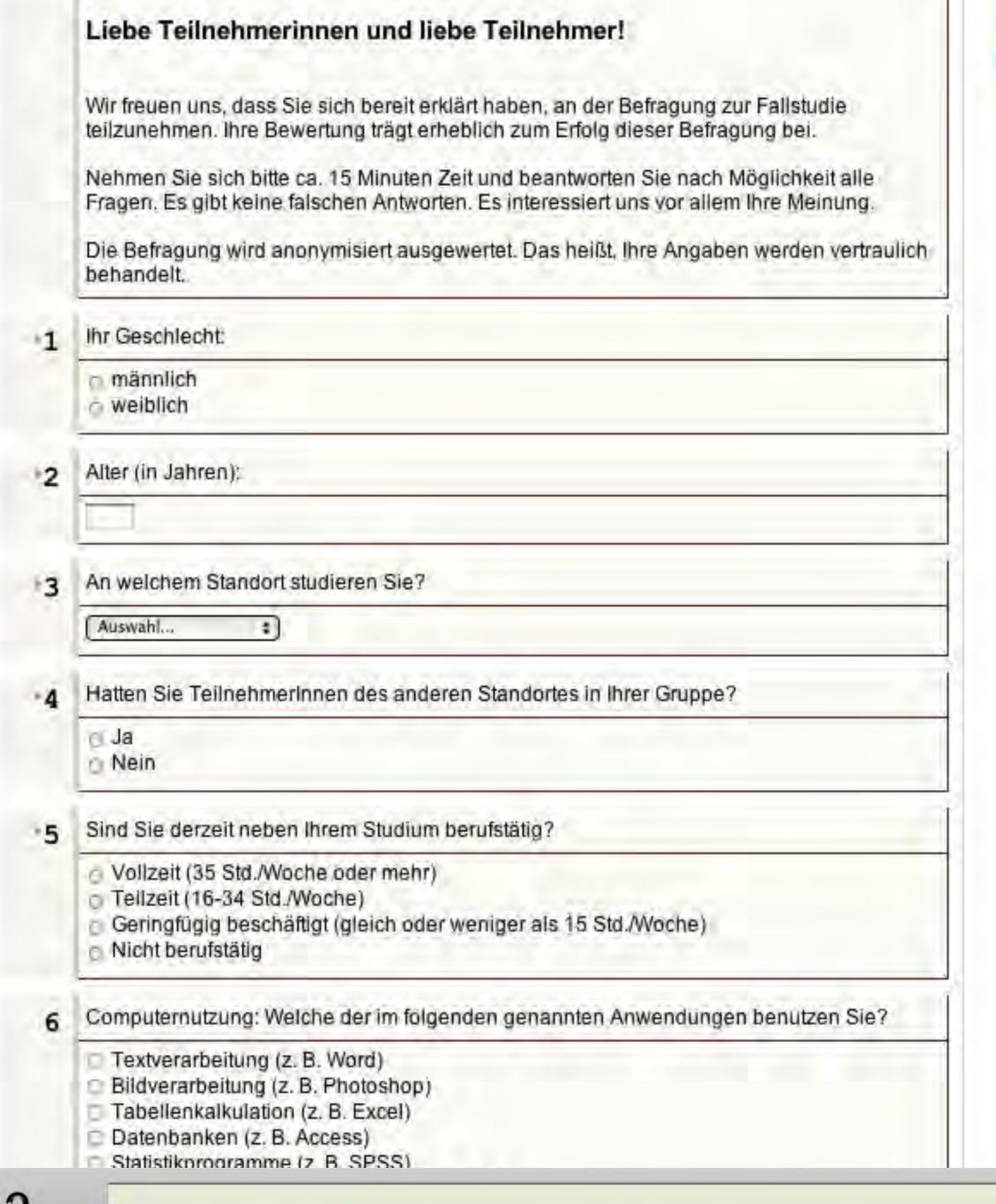
- Method itself
- Cohorts, Criteria
- Online survey implementation
- Underlying theories

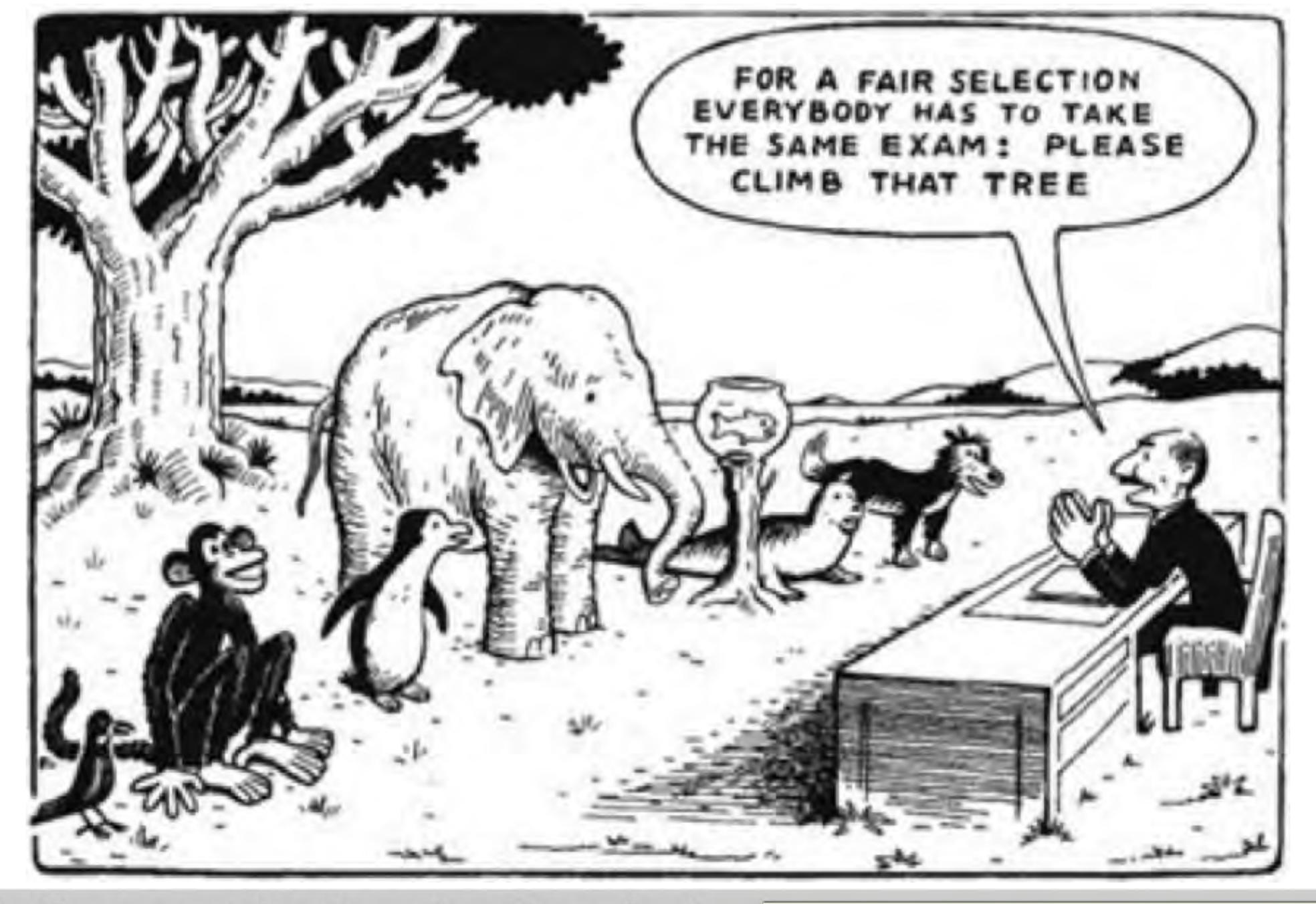
Online survey

- More then 550 students overall participated (2010-2013)
 - 367 at Magdeburg and Stendal
 - 184 at Linz
 - 45 E-Tutors from Linz

Add on:

- ▶ Field reports from E-Tutors
- ▶ Field reports from involved students (Linz)





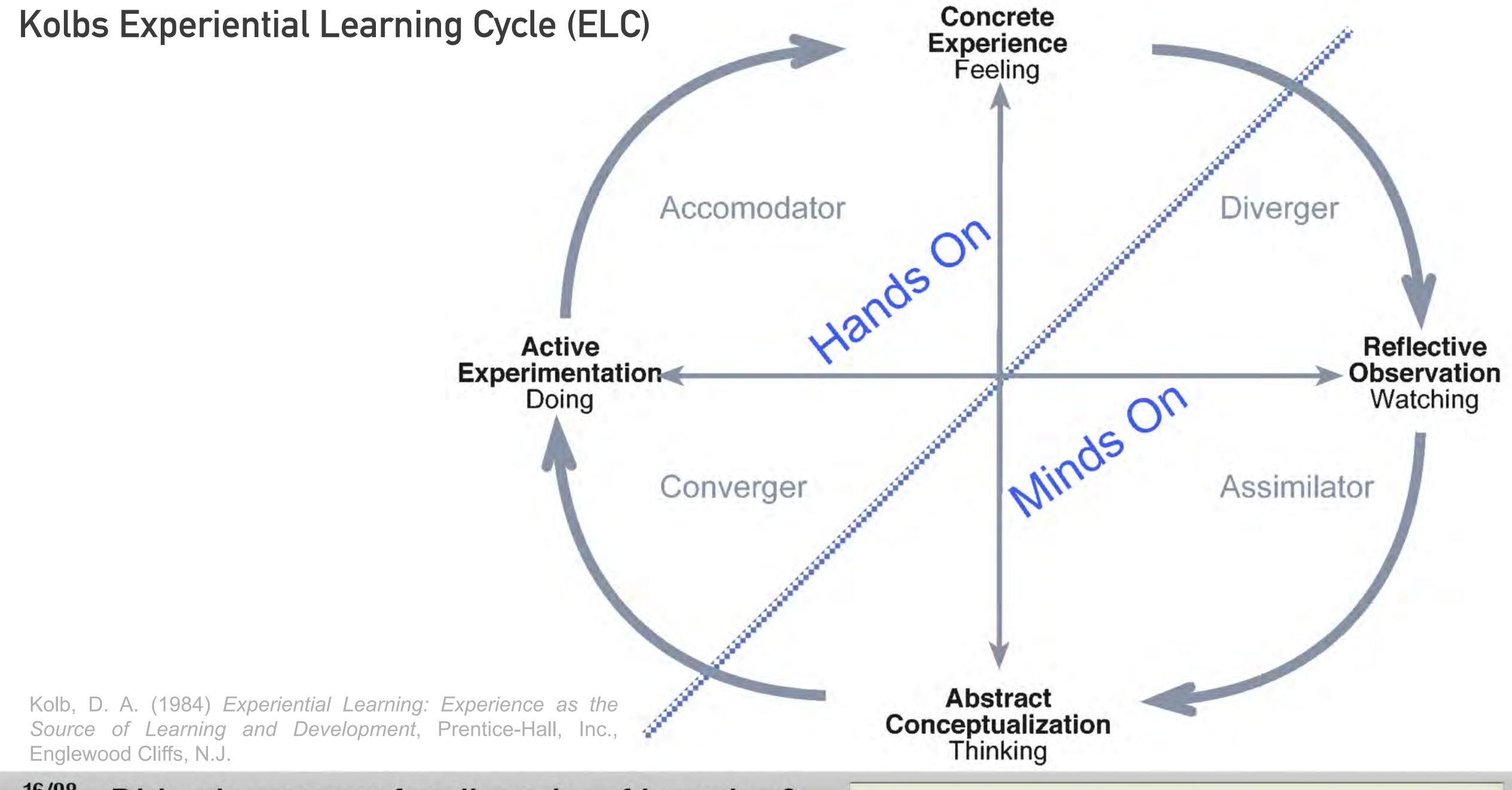
Plurality in reception of knowledge!

- How we can better deal with diversity of students in learning?
- Could media based learning scenarios be adopted to the way of learning?
 or

Are there approved learning scenarios especially suitable for certain learning styles?

Typification of Learning

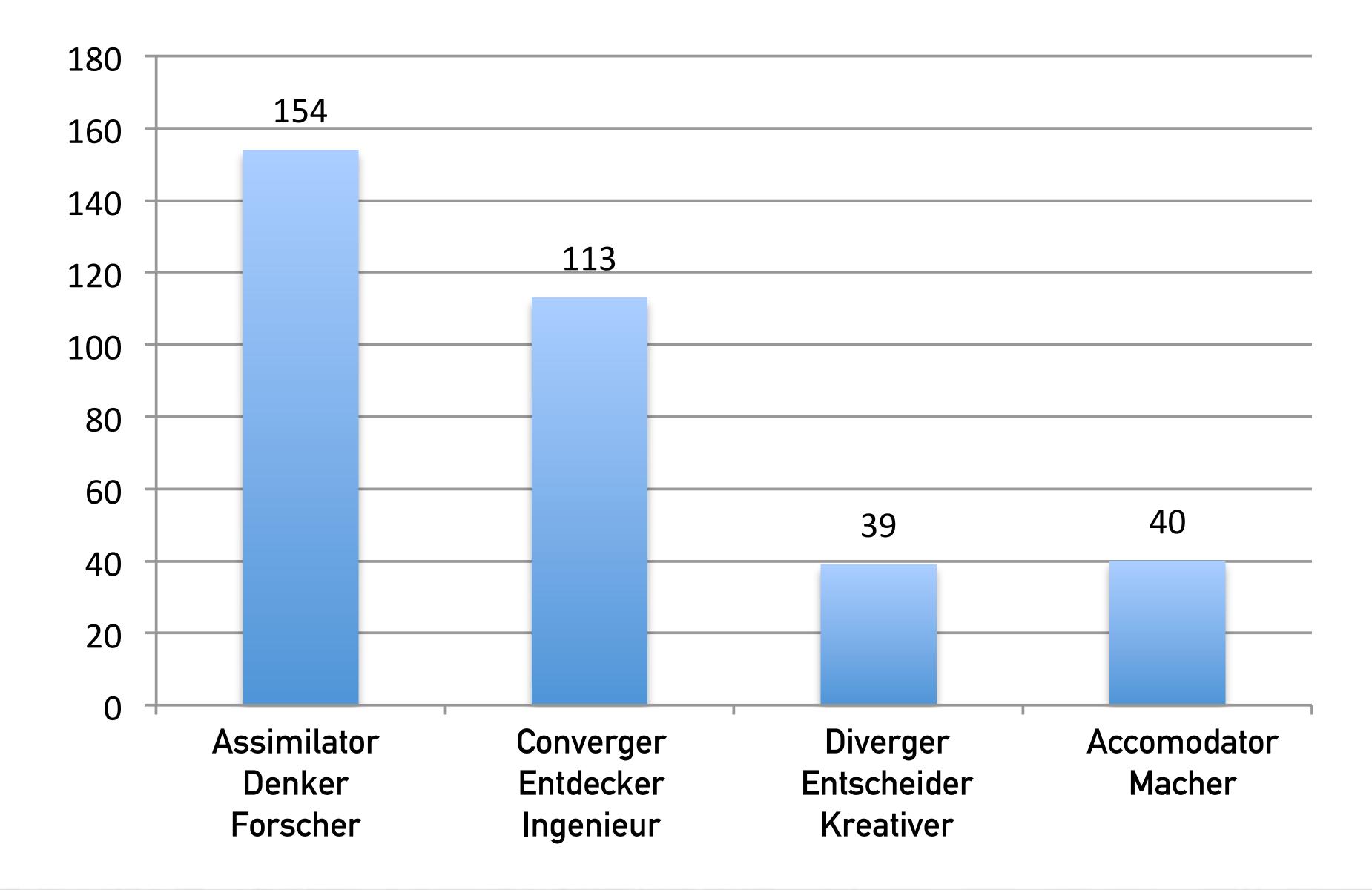
- Visual, kinesthetic, auditive, intellectual (Vester 1975)
- Experiment, observation, experience, conceptualization (Kolb 1984)
- Activist, reflector, theorist, pragmatist (Honey und Mumford 1992)
- »Active and reflective learners«, »sensing and intuitive learners«, »visual and verbal learners«,
 »sequential and global learners« (Felder and Siverman 2002)
- Acting, acoustic, reading, visual Learning, HALB (Stangl 2003)



Demography of the study

	Number of men	Number of women	Total number
Linz (AUS)	117	67	184
Magdeburg (GER)	204	163	367
Total	321	230	551

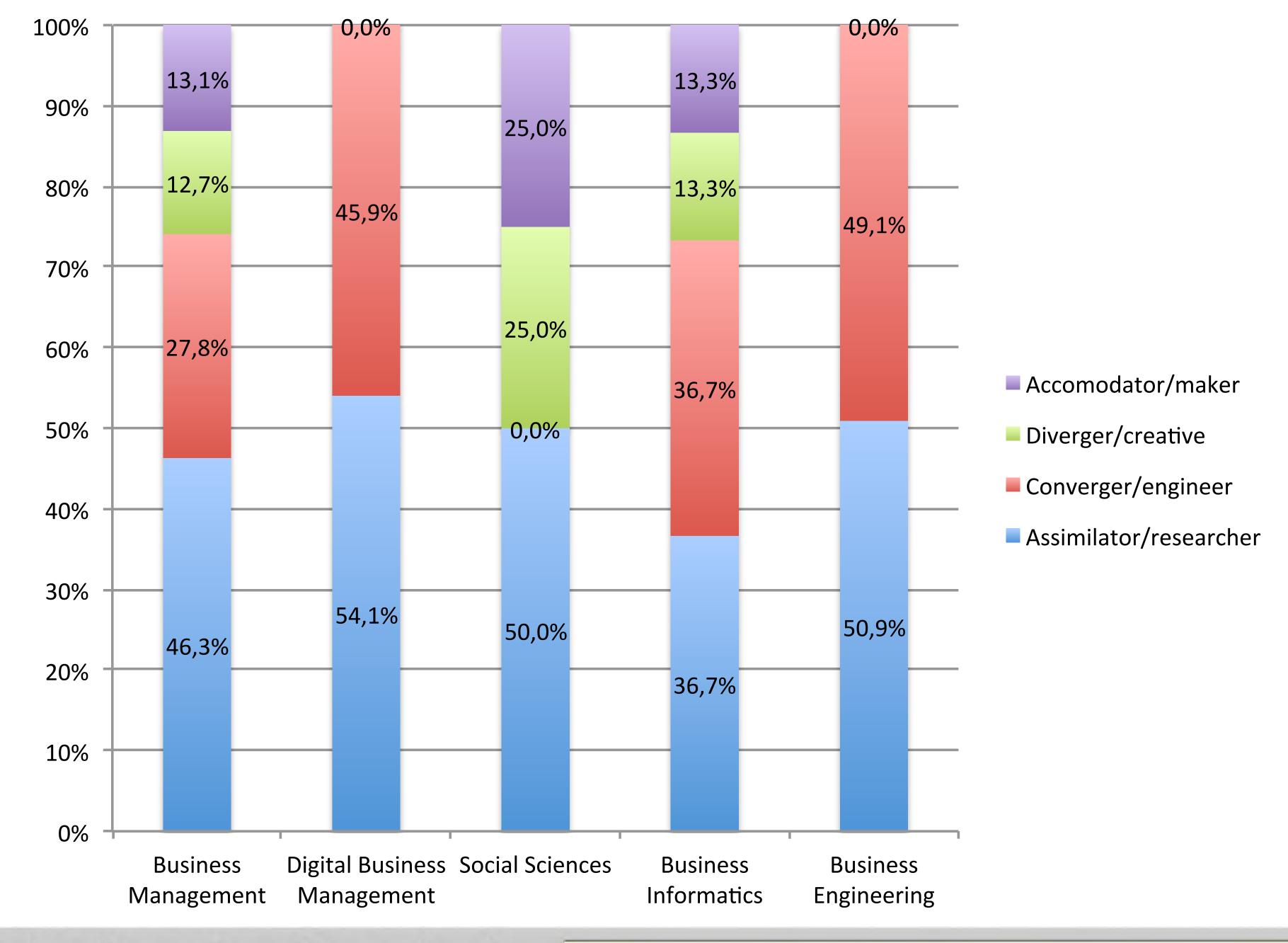
Allocation of Learning styles (n=346)



Result Discussion

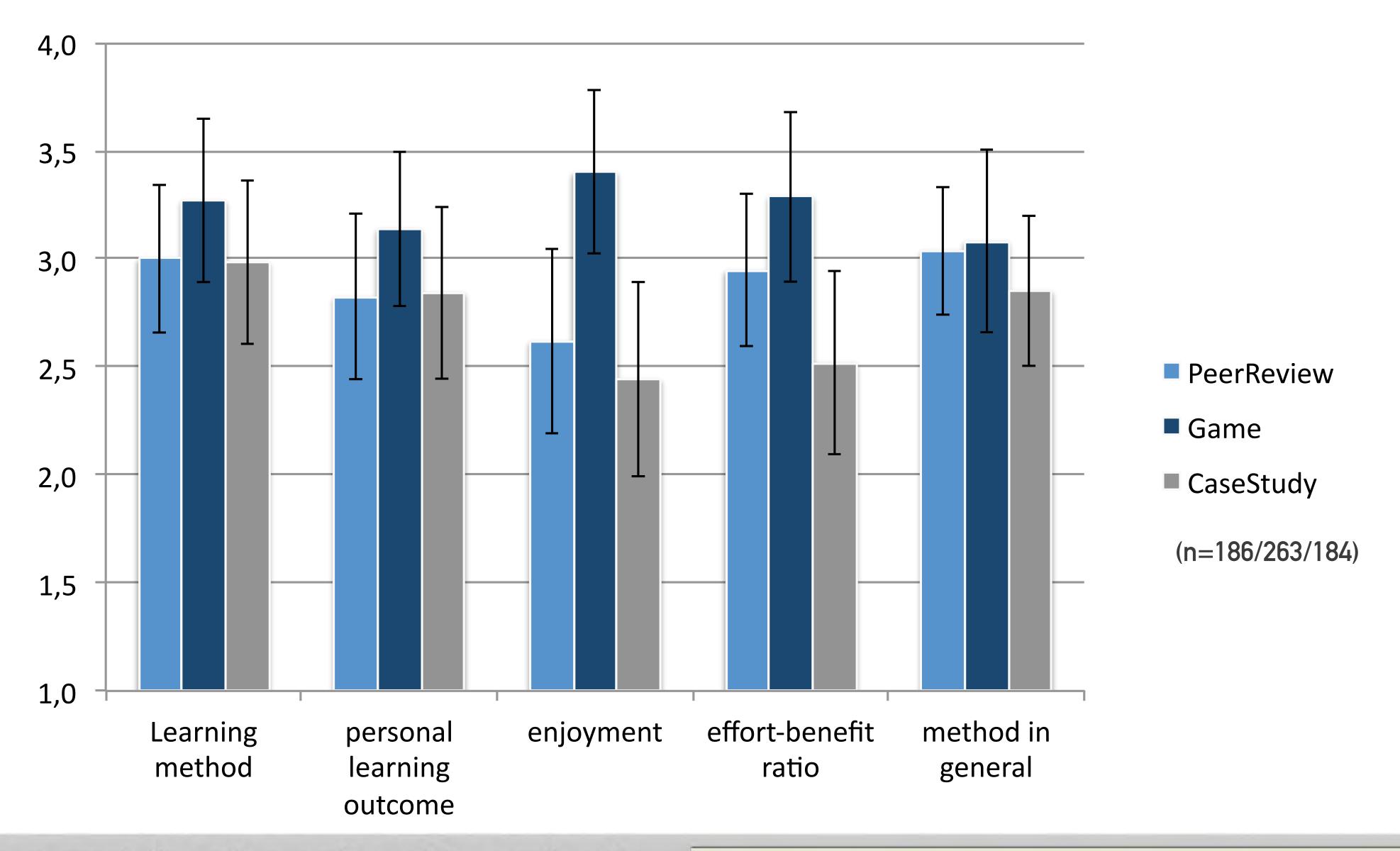
- Learning styles
- Students feedback
- Learning outcome

Learning style by subject of study (n=438)

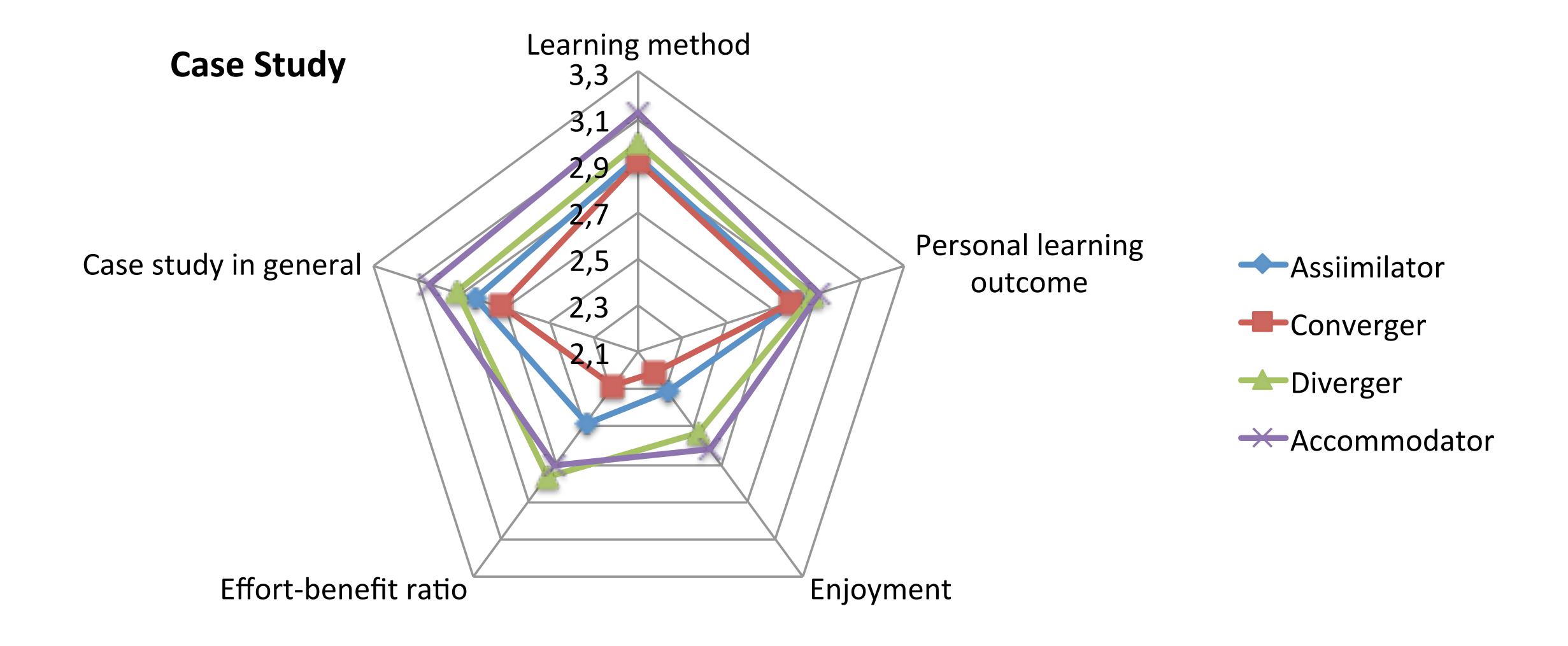


Ranking of different learning methods method

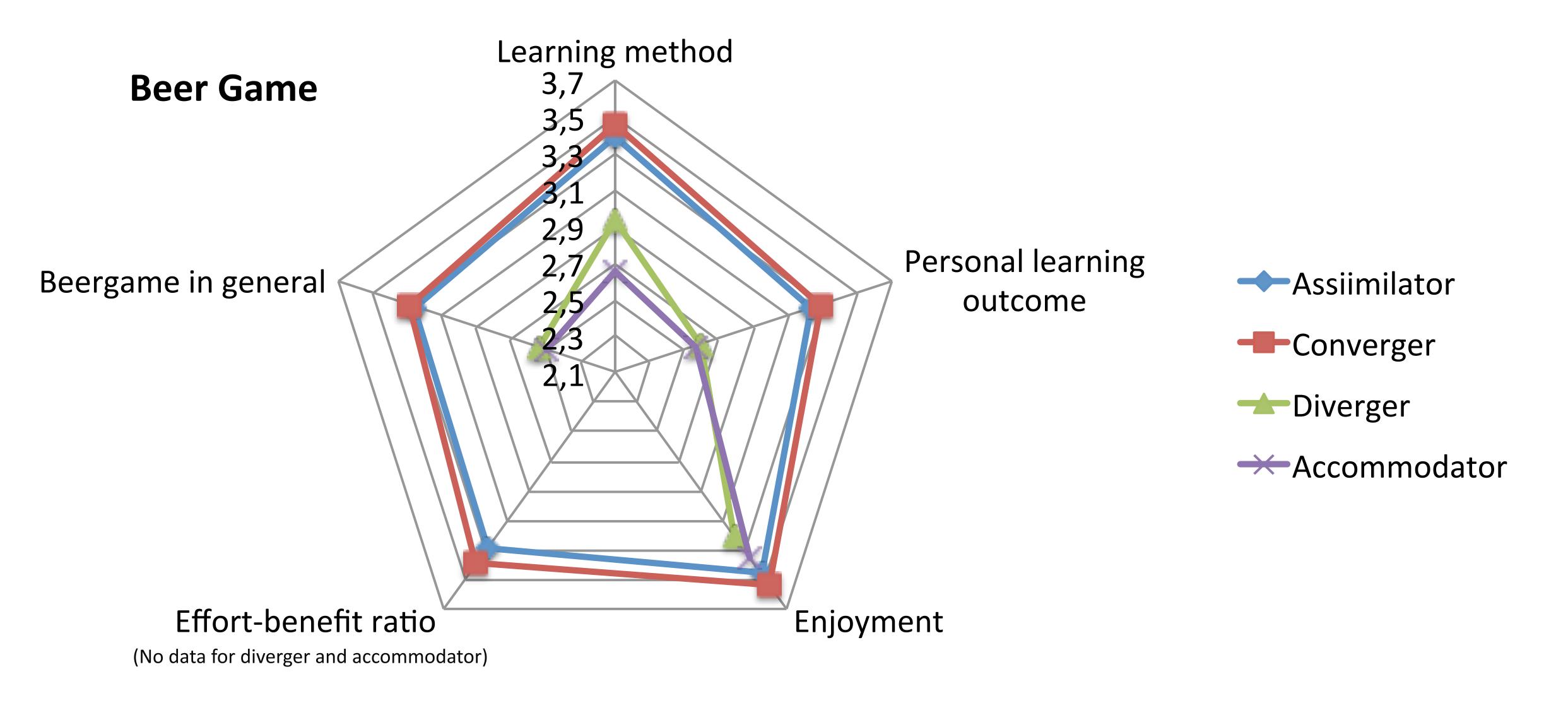
[4] very good
...
[1] poor



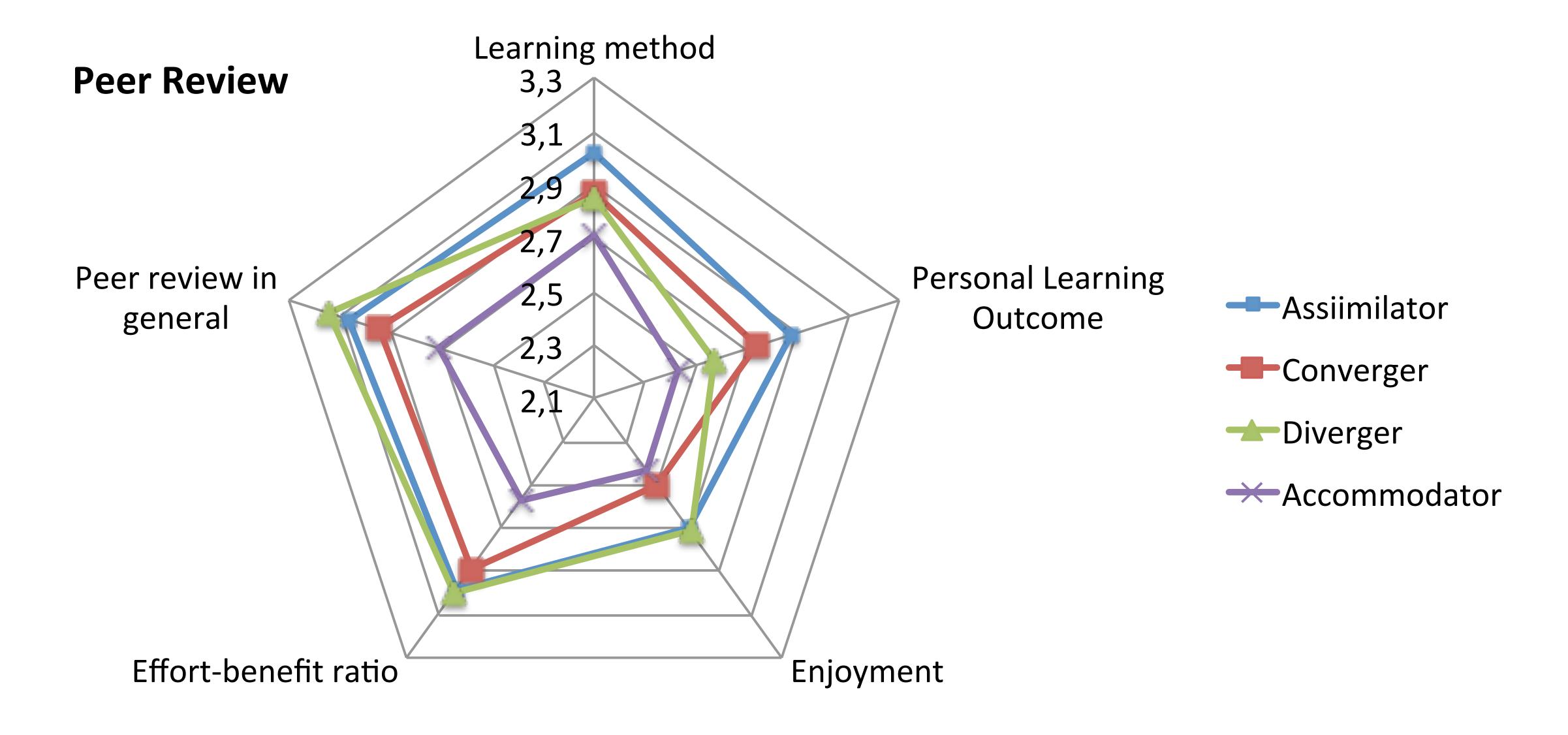
Case study as learning method (assessment by students) N=265



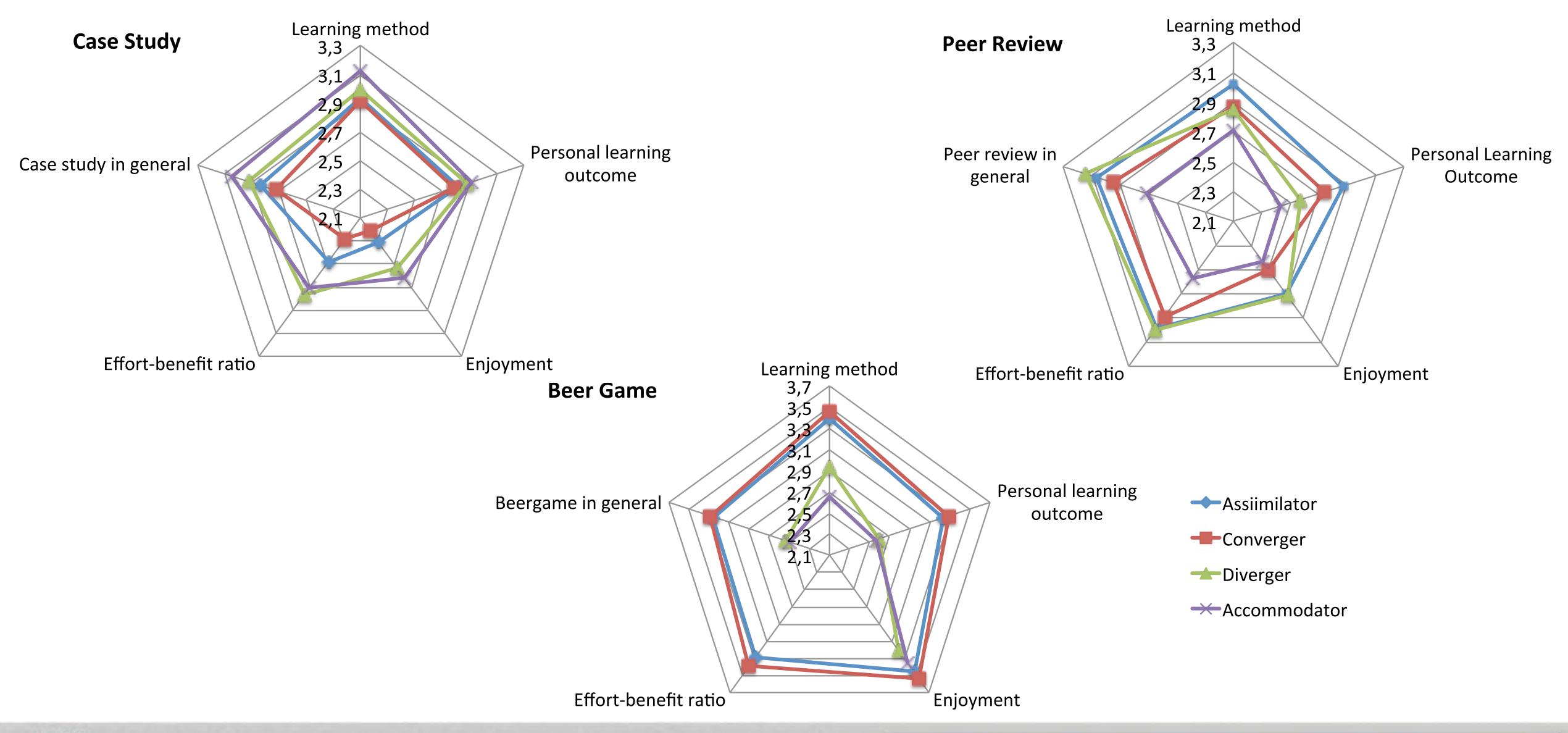
Beer Distribution Game as learning method (assessment by students) N=274



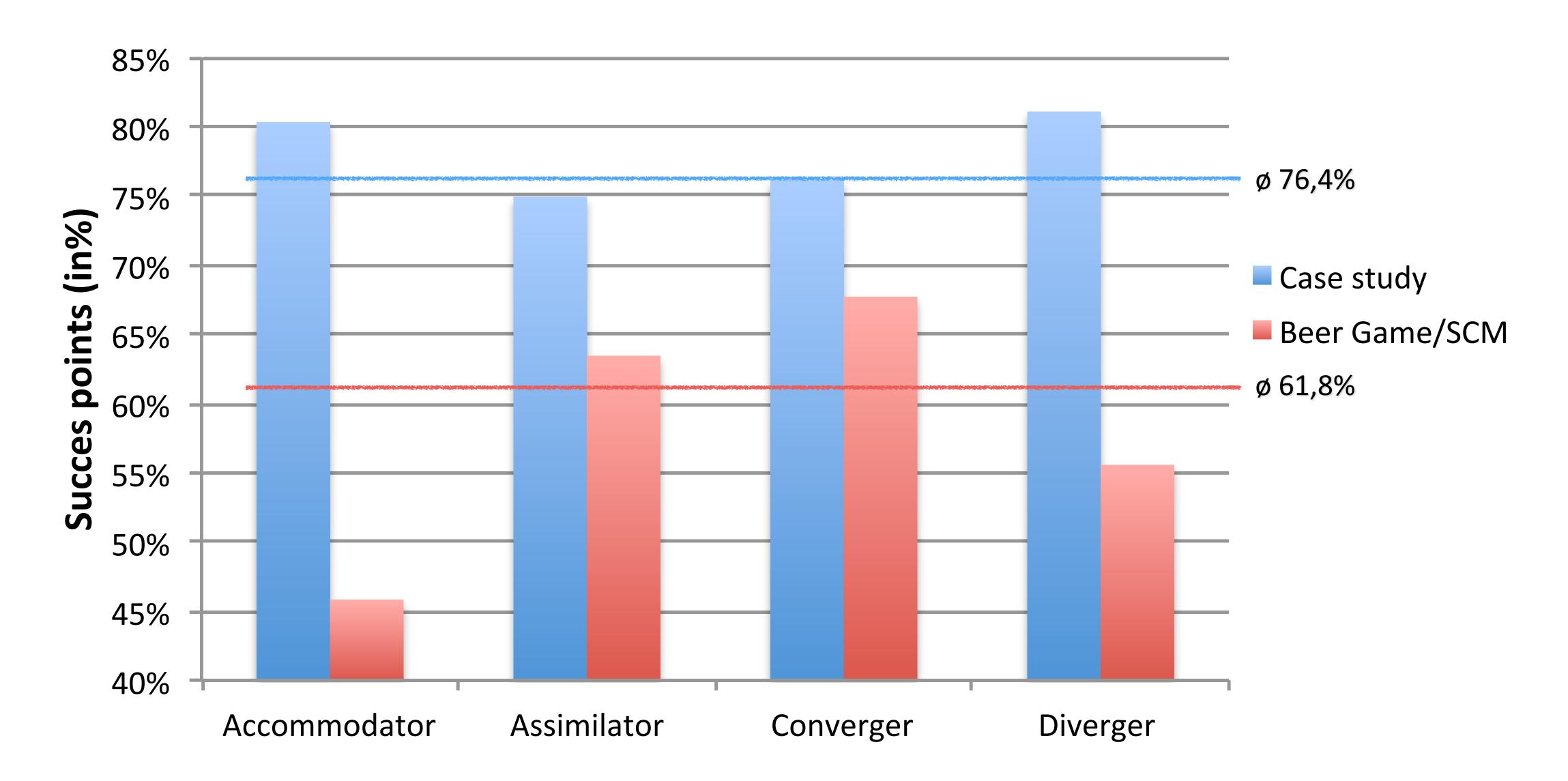
Peer-review as learning method (assessment by students) N=310



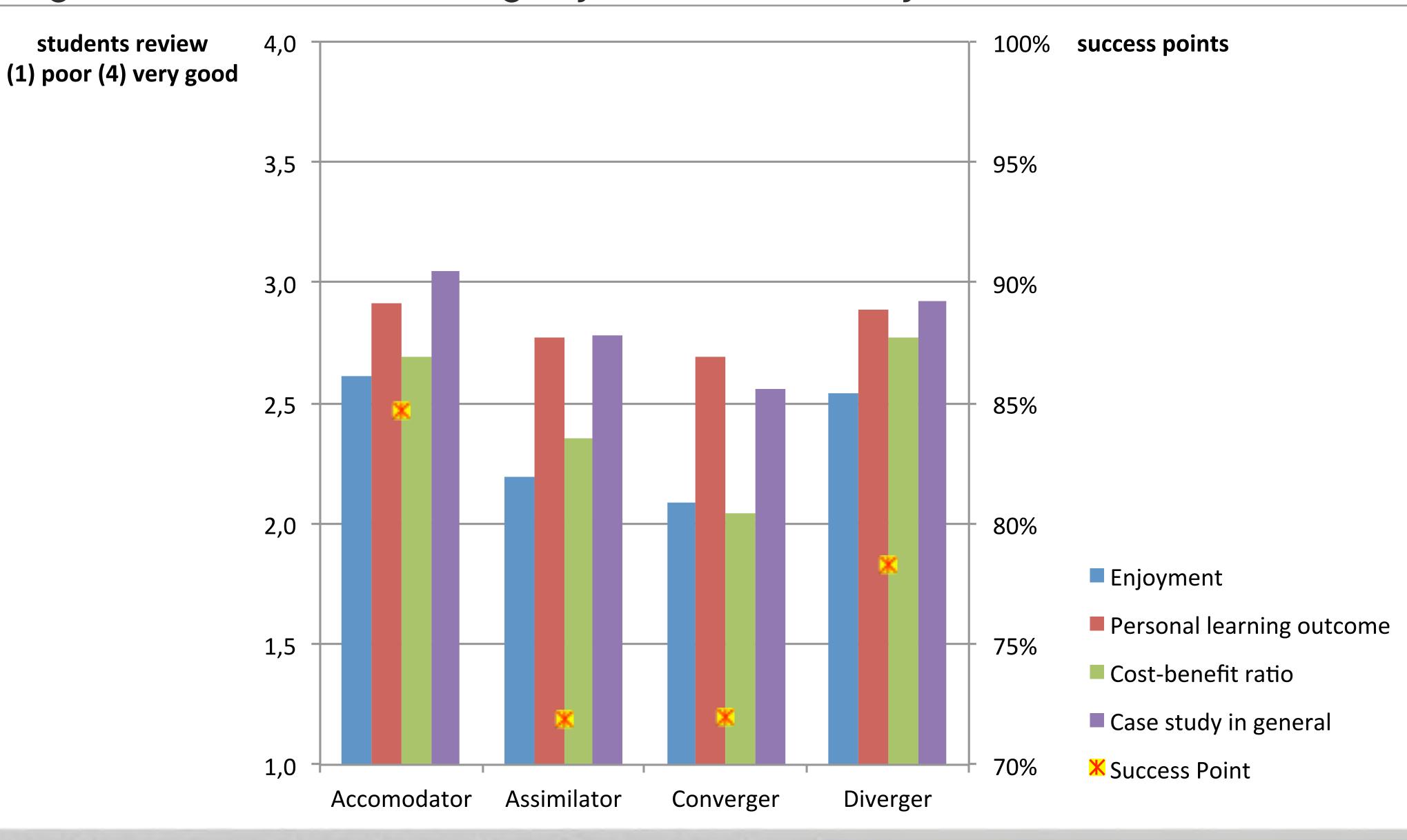
Peer-review as learning method (assessment by students) N=265/274/310



Learning success and learning style (n=210)



Learning success and learning style in Case study scenario (n=210)



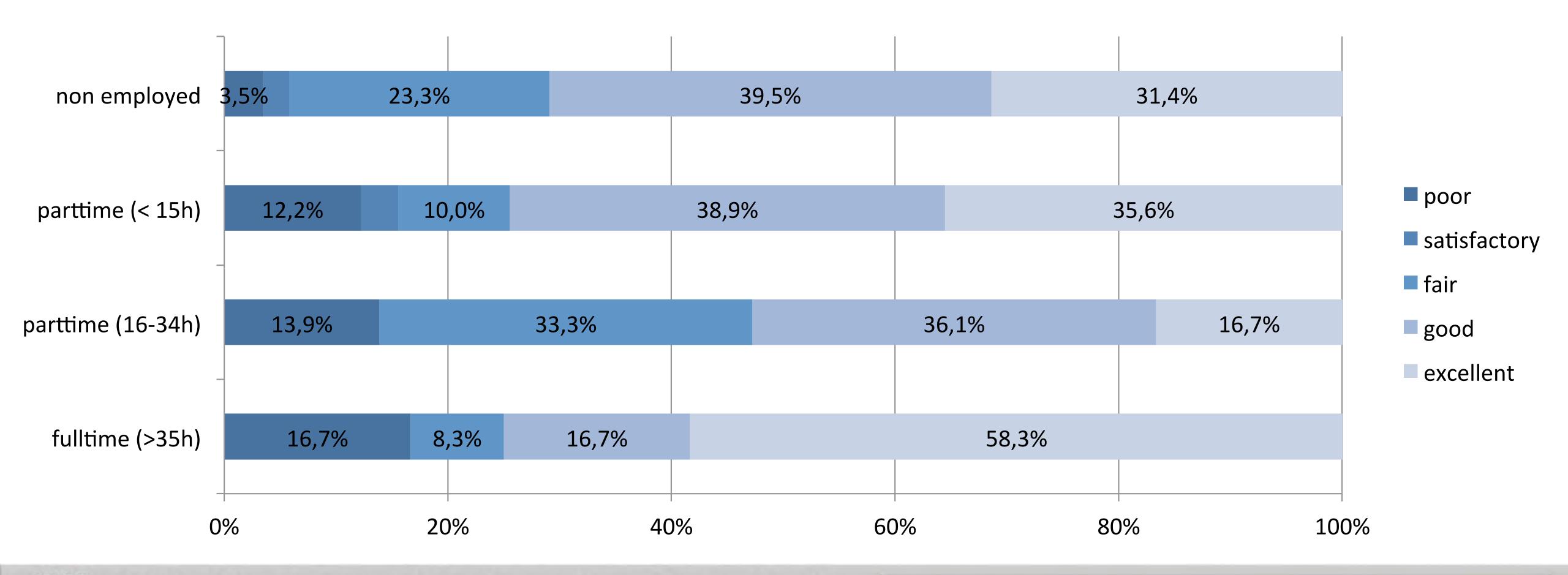
Conclusion & next steps

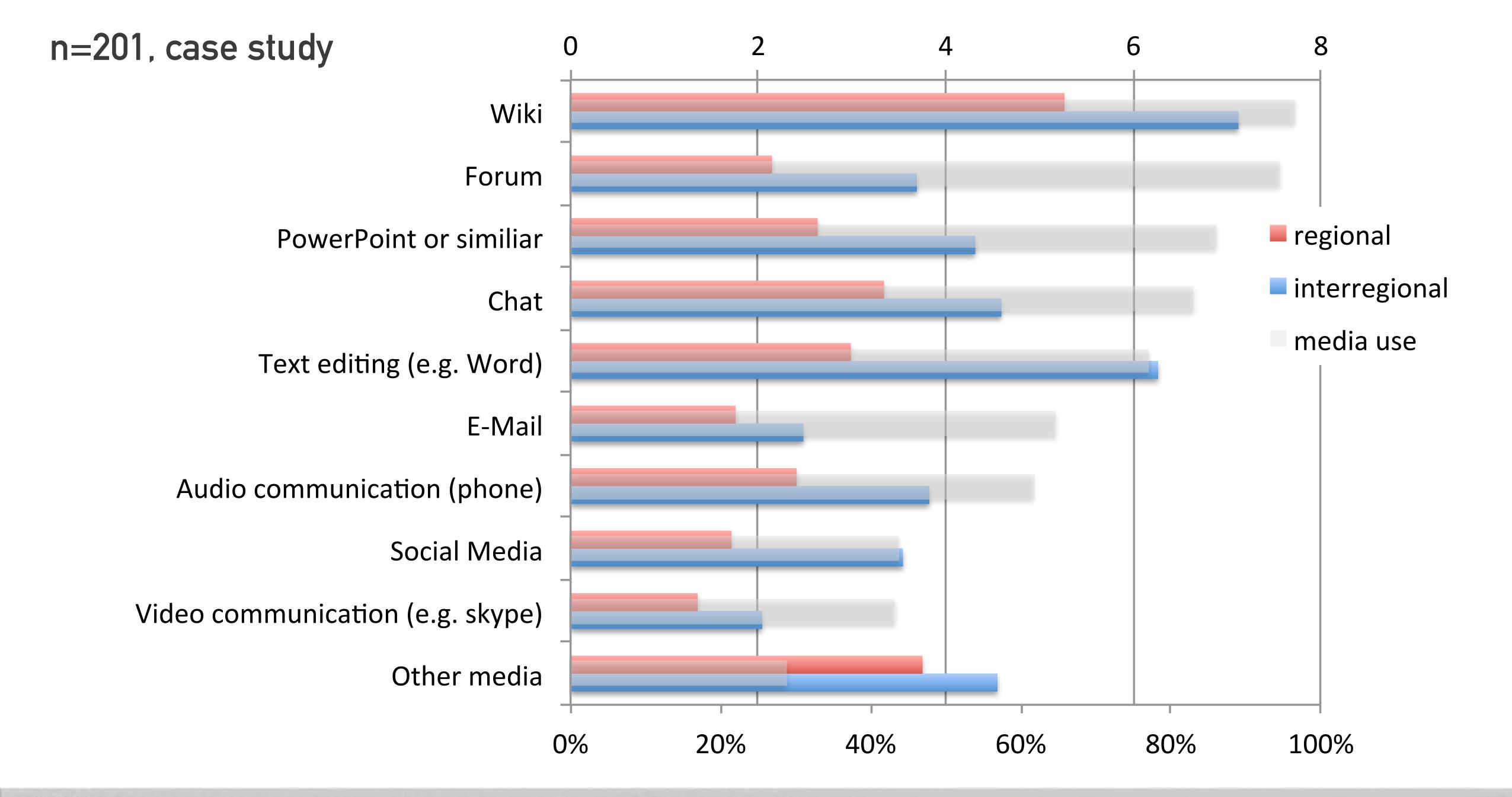
- Knowing your students better is beneficial!
- Different learning scenarios for different learning styles? Worth to try!



- Create groups after learning styles:
 - Case study: mixed groups vs. homogeneous
 - Game Scenario, Peer Review: theory placement in process
- Development of learning style adoptive approaches to increase media literacy
- Improvement of learning scenarios
 - adaptivity and effort-benefit relation
 - placement of feedback for different learning styles

Learning outcome and employment of students (n=224)







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RESEARCH 03.31.2014

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n this piece, anthropologist John Ziker details the first stage of a study of faculty time allocation based on a self-monitoring survey instrument that uses time allocation reporting, a technique used by anthropologists in the field. The first phase of the study found that respondents - all professors at Boise State - spend a large amount of time in meetings and 30 percent of their time doing administrative tasks unrelated to teaching and research. Faculty work well over a 40-hour work week, including putting in time off campus and during the weekends. And they spend a majority of time working alone. - Eds.

TBR Research presents insights and excerpts from peer-reviewed scholarship.

The days of the ivory tower are a distant memory. We may hear about them from our ancestors - our teachers' teachers' predecessors who lived in the days when social philosophers wrote voluminous comparative works and most teaching was done in small groups in the Socratic



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