Georg-August-Universität Göttingen

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The Effects of Digitization and Artificial Intelligence on Human Decision-Making Seminar SS 2018

Moduls

M.WIWI-VWL.0026 & M.WIWI.VWL-0036

Expected no. of participants

15

Registration

To sign up for the seminar, write an email including preferred topic(s) to lukas.meub@wiwi.uni-goettingen.de

Language

English

Dates

Date	Time	Location	Remark
19.04.2018	16-17 p.m.	Theologicum 0.135	First Meeting
26./27.07.2018	8-18 p.m.	Oec 1.163	Blocked Seminar

Content

This seminar analyzes the effects of digital transformation and artificial intelligence on human decision-making. Further, it discusses how these effects might alter economists' understanding and modeling of human-decision processes. Following a broad interdisciplinary approach and abstracting from standard game theory, seminar papers should explore likely future developments in human decision-making from various perspectives. Popular science publications written by (academic) experts introduce students to the basic concepts and ideas in the respective strands of literature. Students are expected to develop their own research question expanding the introductory literature to current journal articles. However, research questions should all relate to aspects of digital transformation and decision-making. Given the overall exploratory approach as well as the variety and interdisciplinarity of topics, students are encouraged to analyze the bigger picture and hypothesize about likely developments in human decision-making.

All books can be borrowed from the responsible instructor. The deadline for handing in the seminar papers is one week before the blocked seminar. The deadline to enroll/withdraw in

FlexNow is four weeks after the first meeting.

List of Topics

1. *Homo Deus: A Brief History of Tomorrow* by Yuval Noah Harari

2. *Life 3.0: Being Human in the Age of Artificial Intelligence* by Max Tegmark

3. *Thinking, Fast and Slow* by Daniel Kahneman

4. *Risk Savvy: How to make good decisions* by Gerd Gigerenzer

5. *In the Swarm: Digital Prospects* by Byung-Chul Han

6. *Phishing for Phools: The Economics of Manipulation and Deception* by George Akerlof and Robert Shiller

7. *The Brain: The Story of You* by David Eagleman

8. *Self Comes to Mind: Constructing the Conscious Brain* by Antonio Damasio

9. *The Black Box Society: The Secret Algorithms That Control Money and Information* by Frank Pasquale

10. *Who Owns The Future?* by Jaron Lanier

11. *The Data Revolution: Big Data, Open Data, Data Infrastructures and their Consequences* by Rob Kitchin

12. *Virtual Competition: The Promise and Perils of the Algorithm-Driven Economy* by Ariel Ezrachi and Maurice Stucke

13. *Artificial Intelligence and Machine Learning for Business: A No-Nonsense Guide to Data Driven Technologies* by Steven Finlay

14. *Algorithms to Live By: The Computer Science of Human Decisions* by Brian Christian and Tom Griffiths

Certificates
Seminar paper of max. 15 pages, presentation and discussion in class.