



Lukas Meub
Platz der Göttinger Sieben 3
37073 Göttingen

mail: lukas.meub@wiwi.uni-goettingen.de
phone: 0551/39 7761

The Effects of Digitization and Artificial Intelligence on Human Decision-Making Seminar WS 2017

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

German/English

Dates

Date	Time	Location	Remark
26.10.2017	16-18 Uhr	VG 1.101	First Meeting
25./26.01.2018	8-18 Uhr	IFH	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.

Seminar papers and presentations can be written in English or German. 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. *Thinking, Fast and Slow* by Daniel Kahneman
3. *Risiko: Wie man die richtigen Entscheidungen trifft* by Gerd Gigerenzer
4. *Predictably Irrational: The Hidden Forces That Shape Our Decisions* by Dan Ariely
5. *Das metrische Wir: Über die Quantifizierung des Sozialen* by Steffen Mau
6. *Im Schwarm: Ansichten des Digitalen* by Byung-Chul Han
7. *Phishing for Phools: The Economics of Manipulation and Deception* by George Akerlof and Robert Shiller
8. *The Brain: The Story of You* by David Eagleman
9. *Self Comes to Mind: Constructing the Conscious Brain* by Antonio Damasio
10. *The Black Box Society: The Secret Algorithms That Control Money and Information* by Frank Pasquale
11. *Who Owns The Future?* by Jaron Lanier
12. *The Data Revolution: Big Data, Open Data, Data Infrastructures and their Consequences* by Rob Kitchin
13. *Virtual Competition: The Promise and Perils of the Algorithm-Driven Economy* by Ariel Ezrachi and Maurice Stucke
14. *Artificial Intelligence and Machine Learning for Business: A No-Nonsense Guide to Data Driven Technologies* by Steven Finlay
15. *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.