Journey through R - A motivating workshop

Introduction and Hands-On Examples

Workshop procedure
Too much too little time - around 200 slides
So many registered > 60 people

- 9th, 10th of May, 2025: theory

- 16th, 17th of May, 2025: cooking recipes, "hands on"

- Relatively little interaction, more in the form of a monologue

I'm late, I'm Late, for a very important date. No time to say hello, goodbye,

I'm late, I'm late, I'm late!

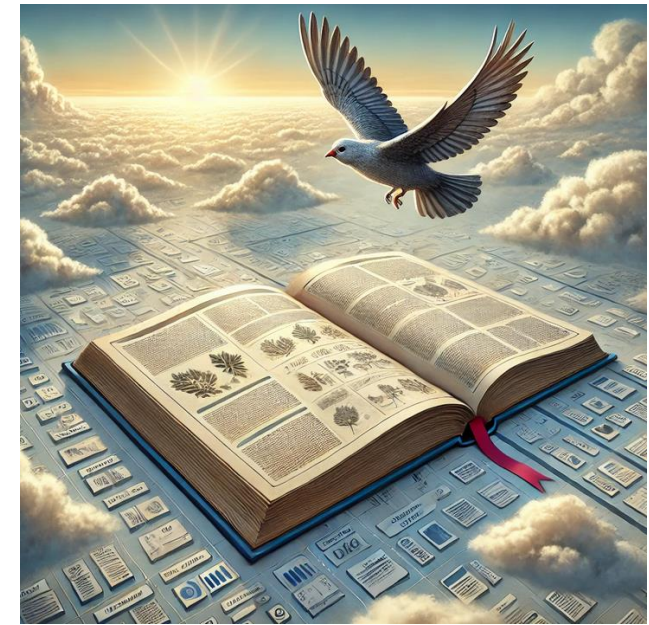Lewis Carroll
Alice in Wonderland

Workshop procedure
Too much too little time - around 200 slides

- the slides can be used for reference and self-study

One long-term idea

- Set up a student working group to improve you R skills if desired?

- (IF time) conduct another "hands on" workshop?

Record my screen

Open Broadcaster Software (OBS) Overview:
- OBS Studio is a free, open-source software used for video recording and live streaming.

Screen Recording:
- I will only record the screen from my shared window and record my audio.

Intended Use:
- **For Internal Use Only**: Screen recordings created with OBS are solely for internal documentation.

Goal:
⇒A student will apply LLMs locally to
        transcribe the audio file to text
        to summarize the text

To write a documentation for students in the future about LLMs, something like https://www.uni-mannheim.de/media/Einrichtungen/Koordinationsstelle_Studieninformationen/Dokumente/Erstsemester/ChatGPT_Handreichung_Studierende_UMA_Stand_Mai_2023.pdf

Does anybody NOT want my split screen to be recorded?

Who am I?

EDUCATIONAL TRAINING

- Sep 2015 – Sep 2018   Applied Statistics (M.Sc.), *University of Göttingen*
- Sep 2012 – July 2015   Psychology (B.Sc.), *Université de Fribourg (CH)*
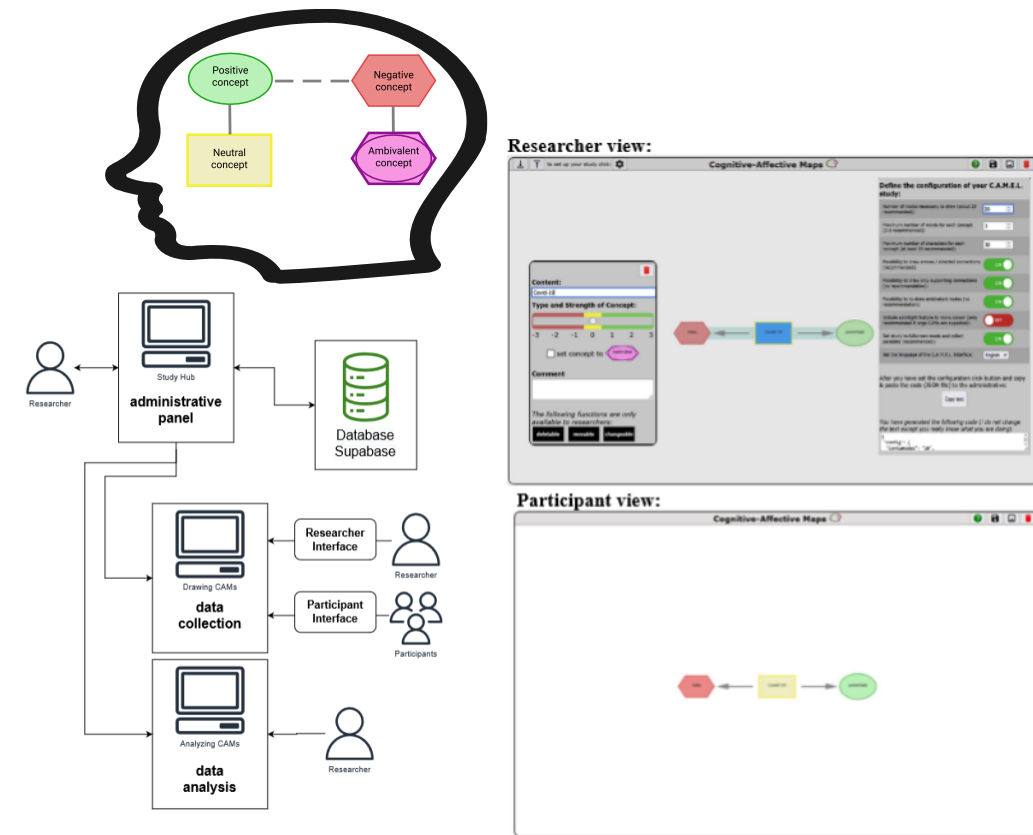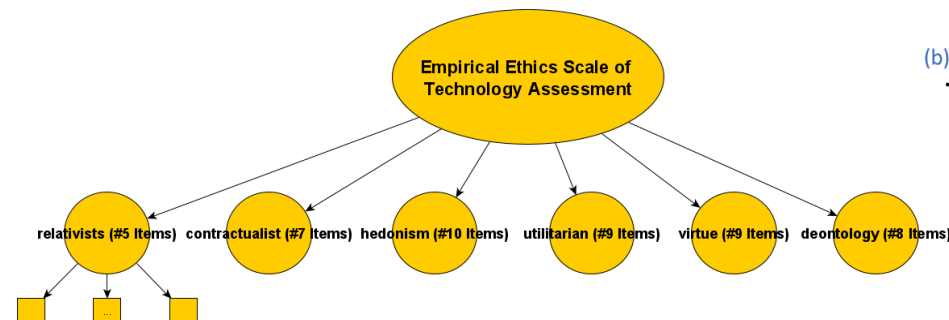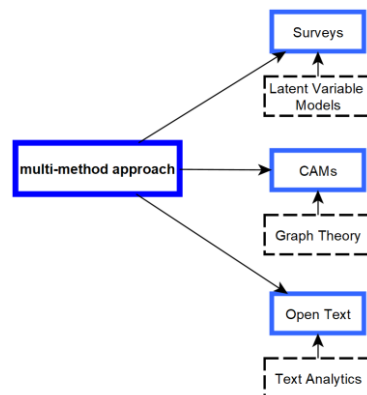
PROFESSIONAL TRAINING

- Since April 2024 PostDoc Project in the DFG Research Training Group "Statistical Modeling in Psychology", primary advisor Prof. Kiesel (University of Freiburg)

- October 2020 – March 2024 PhD Project in the DFG Research Training Group "Statistical Modeling in Psychology", primary advisor Prof. Kiesel (University of Freiburg)

- Since Jan 2020 freelancer: coach for data analysis (supervision of bachelor, master and doctoral theses), private tuition on statistics

My research

Semantic Networks: Cognitive-Affective Maps *extended logic*: Proposing Tools to Collect and Analyze Attitudes and Belief Systems; https://drawyourminds.de/

Empirical Ethics: Development and Validation of an Empirical Ethics Scale for Technology Assessment - Challenges and Perspectives for a Real Time Ethics for Emerging Technologies

Prospective Technology Assessment: Propose methodologies to investigate (ethical) concerns of technologies at an early development stage.
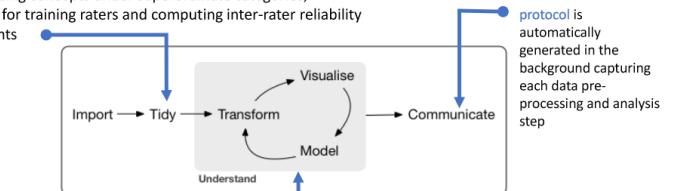
Two announcements

1) We Are Hiring!

Looking for Student Assistants (with programming interest)

> If you enjoy coding and want to gain hands-on experience, we are looking for motivated students to join our team as research assistants.

2) Master Program: Skill Project Opportunity

Get involved in an exciting project this year

- You will have the chance to work with publicly available datasets.
- Focus areas include social science data such as:
    - European Social Survey (ESS)
    - Armed Conflict Location & Event Data Project (ACLED)
- The project will guide you through real-world data analysis, helping you build practical skills for your academic and professional career.

Example Project Outcome: https://rpubs.com/fennstat777/1293167

Evaluations of my previous R workshops

See: https://rpubs.com/fennstat777/1155605