Other Methods

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User-Research Methods VU 2017

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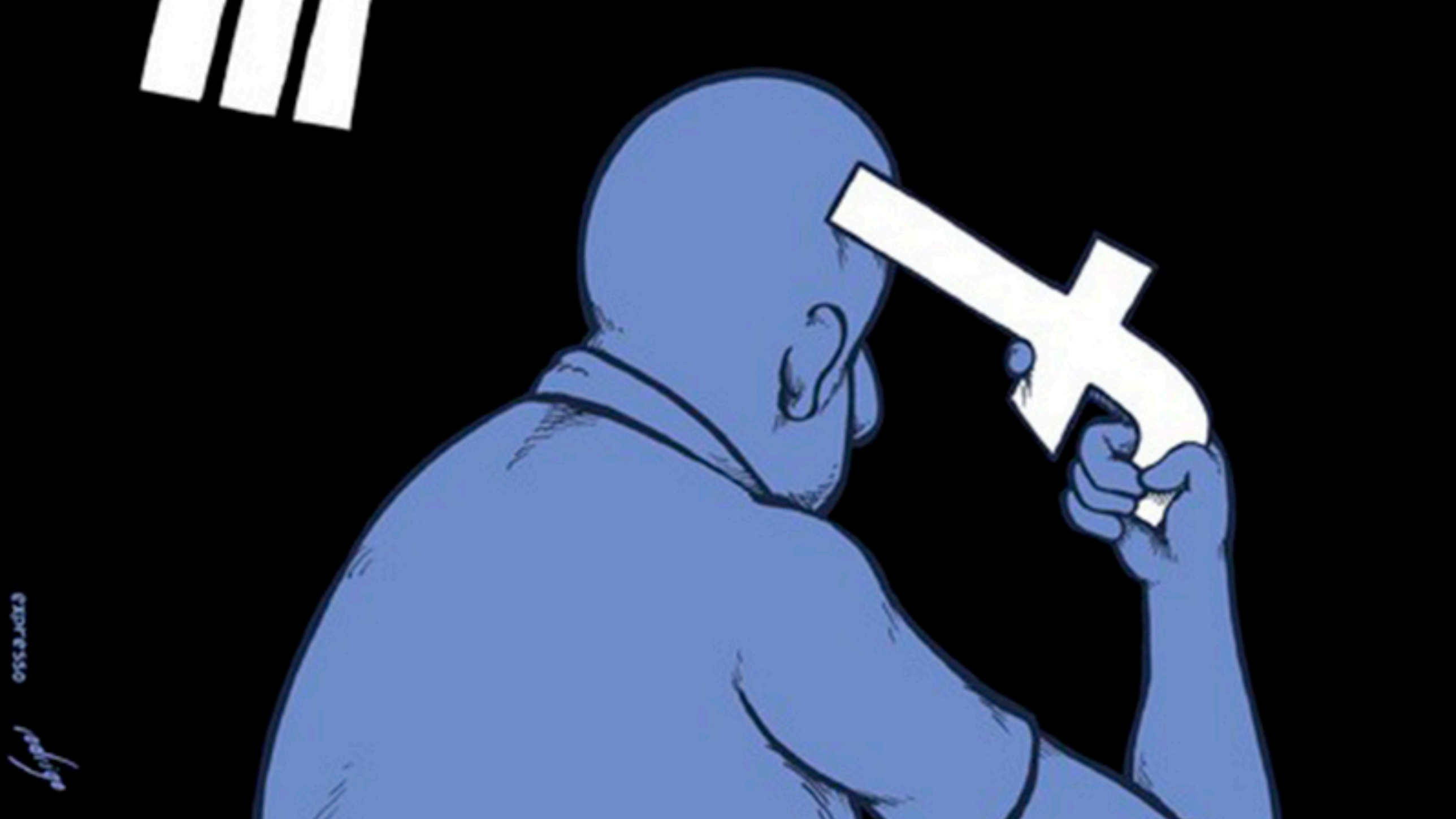
Overview

- Online Research
  Digital ethnography, Social Networks...
- Experience Sampling, Diaries
- Probes - technology, cultural
- Auto-ethnography
- Sensor-based methods

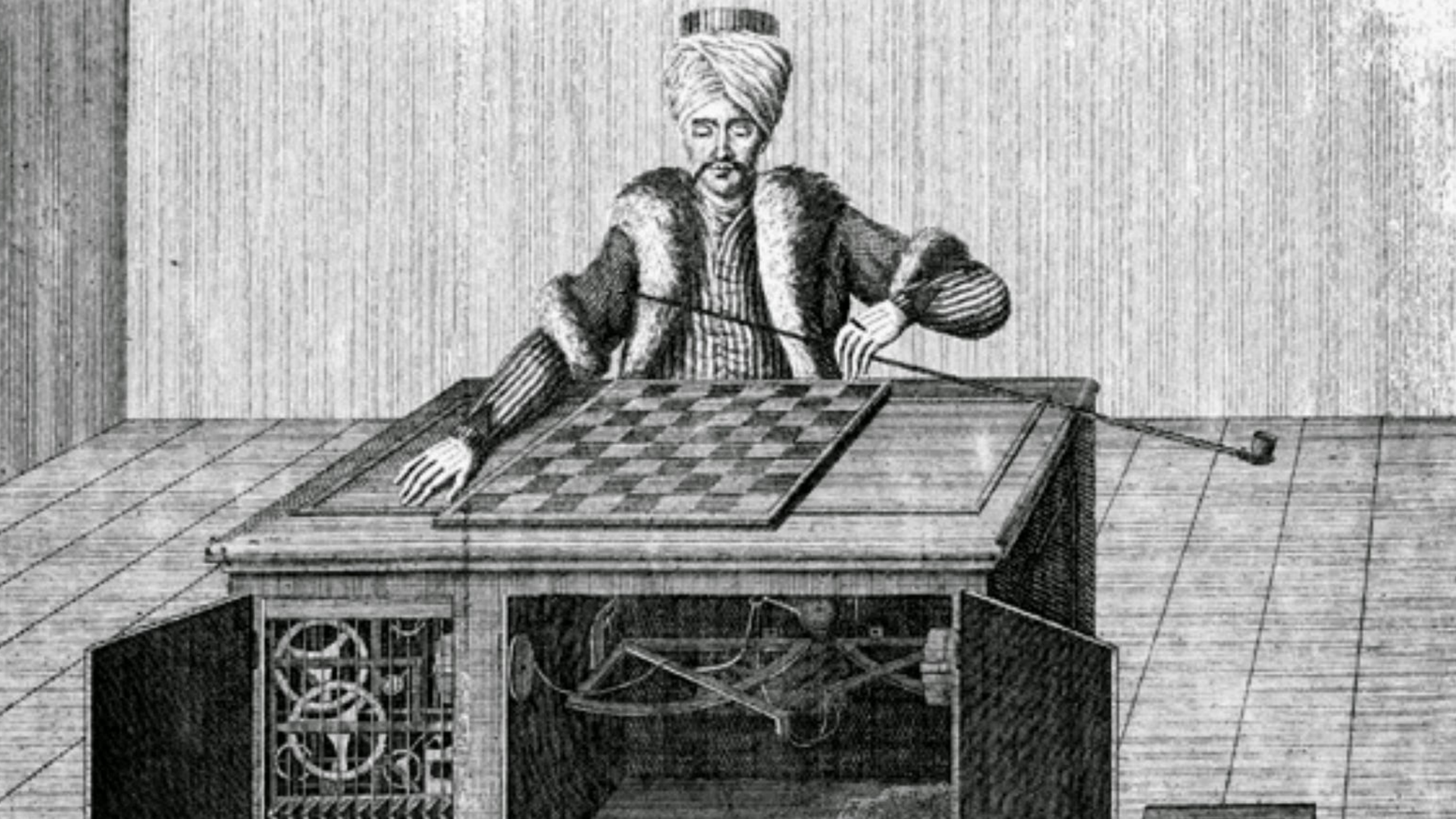

expresso

Online Research

Is **online**...

Uses (publicly) available data from time-lines, chats, forums, video sites.....

Digital ethnography expanded by using digital tools and data sources.

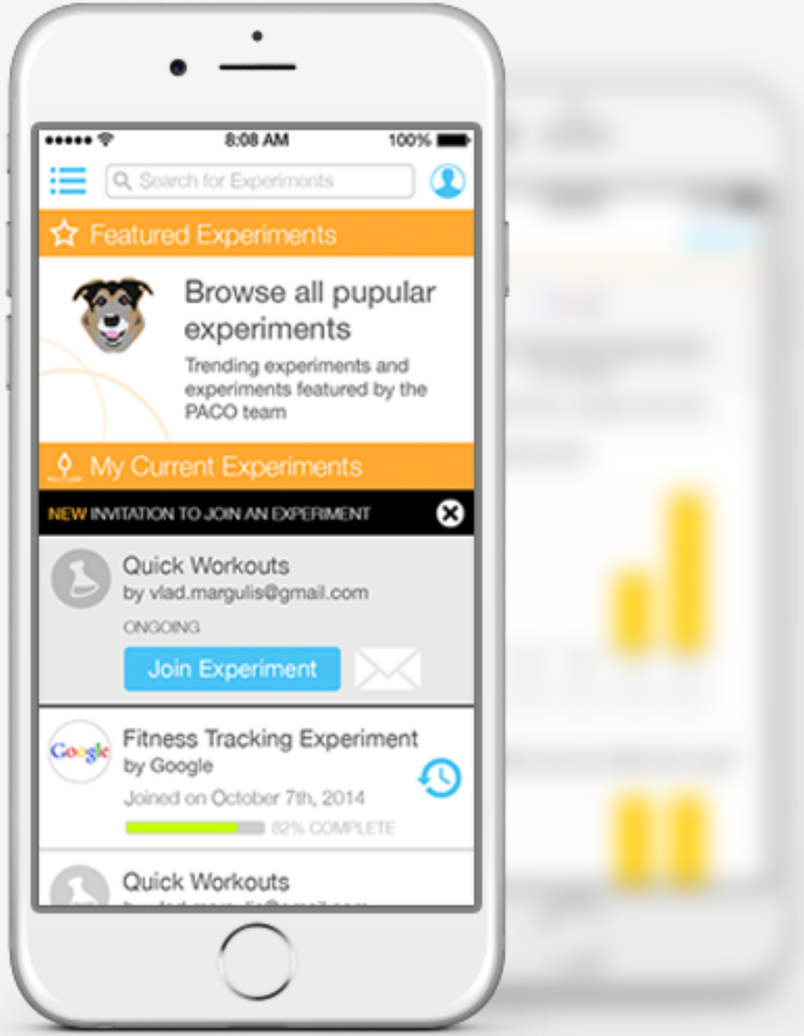


M-Turk Studies

Requesting and paying for people to participate in your user research study.

PACO

The Personal Analytics Companion



PACO

is a tool for building Personal Science Experiments IN MINUTES!

Start an Experiment!

SIGN IN to start or join an experiment.

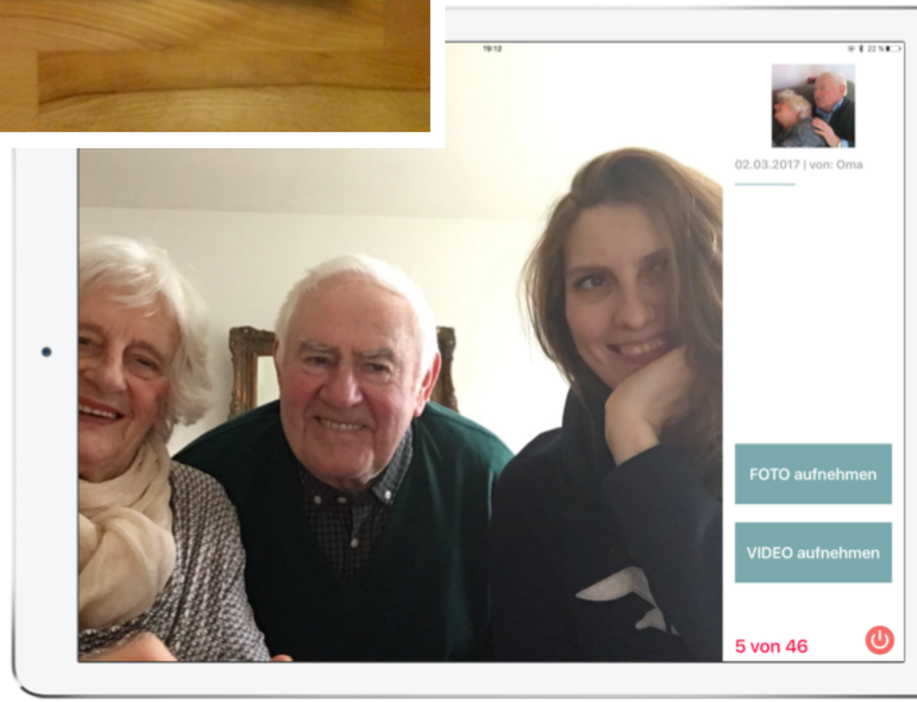
Participate in Paco studies on your phone

Available on the App Store

ANDROID APP ON Google play

Download PACO free on the AppStore or Google Play. If you already have the app, sign in here.

Experience Sampling Self-report / diary data collection, often supported by technology.



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Probes

Pack for participants to take away and record aspects of their lives in their own time.

O'Kane, A. A., Rogers, Y., & Blandford, A. E. (2014). Gaining Empathy for Non-routine Mobile Device Use Through Autoethnography. In Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (pp. 987–990). New York, NY, USA: ACM. https://doi.org/10.1145/2556288.2557179

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Auto-ethnography

Uses a researcher's personal experience to describe and critique cultural beliefs, practices, and experiences.

Slovák, P., Tennent, P., Reeves, S., & Fitzpatrick, G. (2014). Exploring Skin Conductance Synchronisation in Everyday Interactions. In Proceedings of the 8th Nordic Conference on Human-Computer Interaction: Fun, Fast, Foundational (pp. 511–520). New York, NY, USA: ACM. https://doi.org/10.1145/2639189.2639206

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Sensor-based Methods

- Eye-tracking
- Galvanic Skin Response & emotion

  GSR: Galvanic Skin Response

  SCR: Skin conductance response

  SC: skin conductance

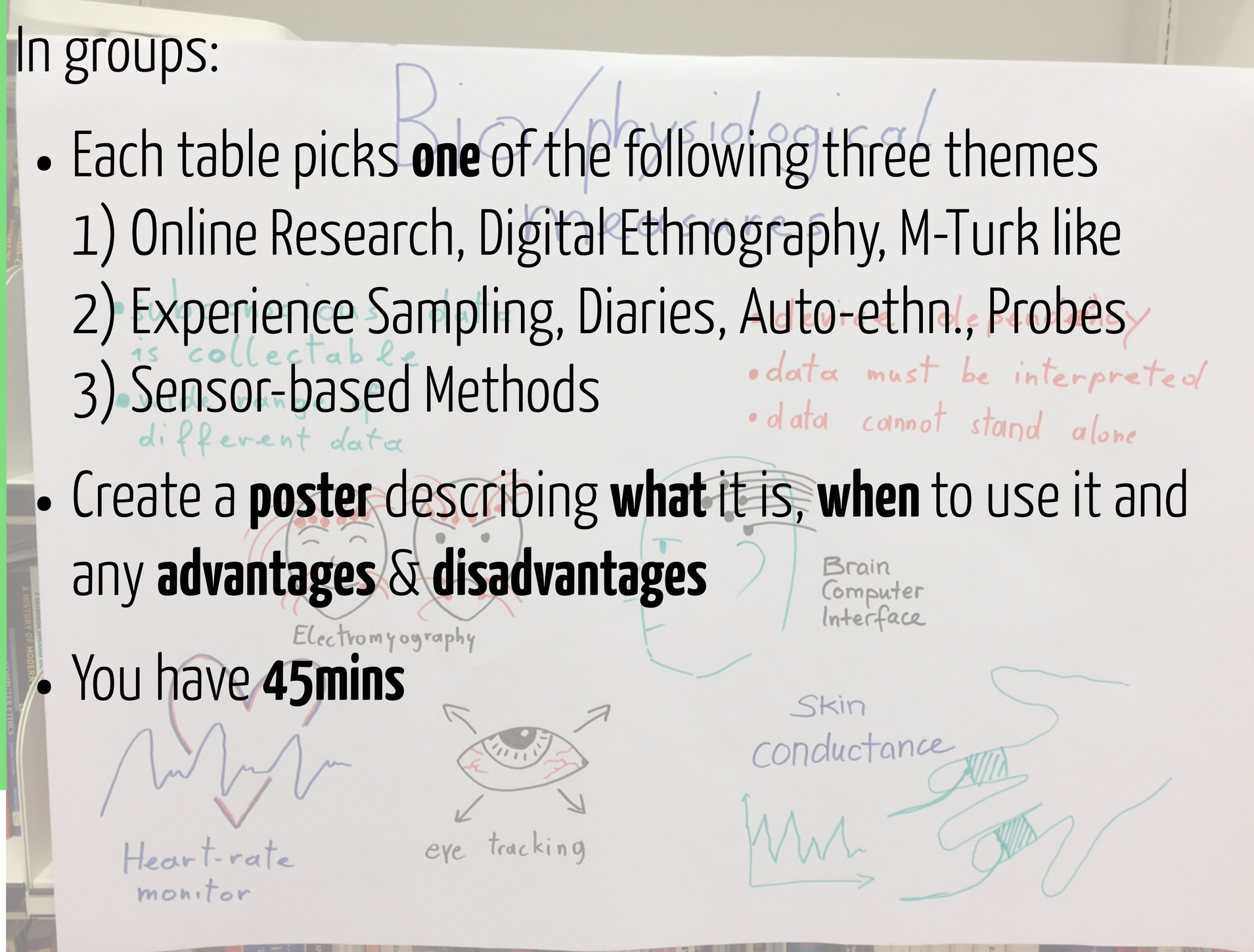
  EDA: electro dermal activity

  EDR: electro dermal response
- Heart-rate
- EEG, ECG...

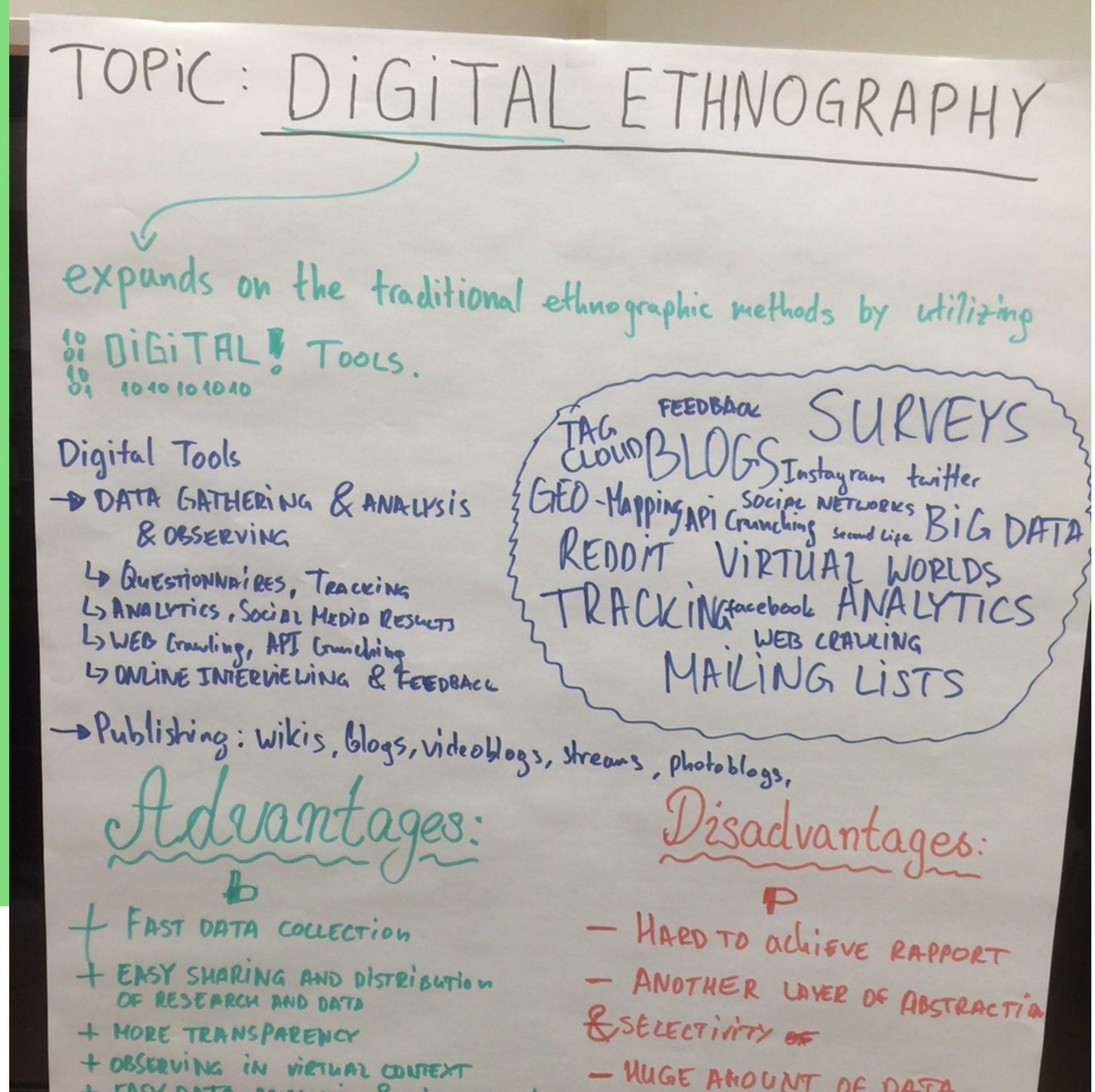
Exercise

In groups:

- Each table picks **one** of the following three themes
  1) Online Research, Digital Ethnography, M-Turk like
  2) Experience Sampling, Diaries, Auto-ethn., Probes
  3) Sensor-based Methods
- Create a **poster** describing **what** it is, **when** to use it and any **advantages** & **disadvantages**
- You have **45mins**



Exercise



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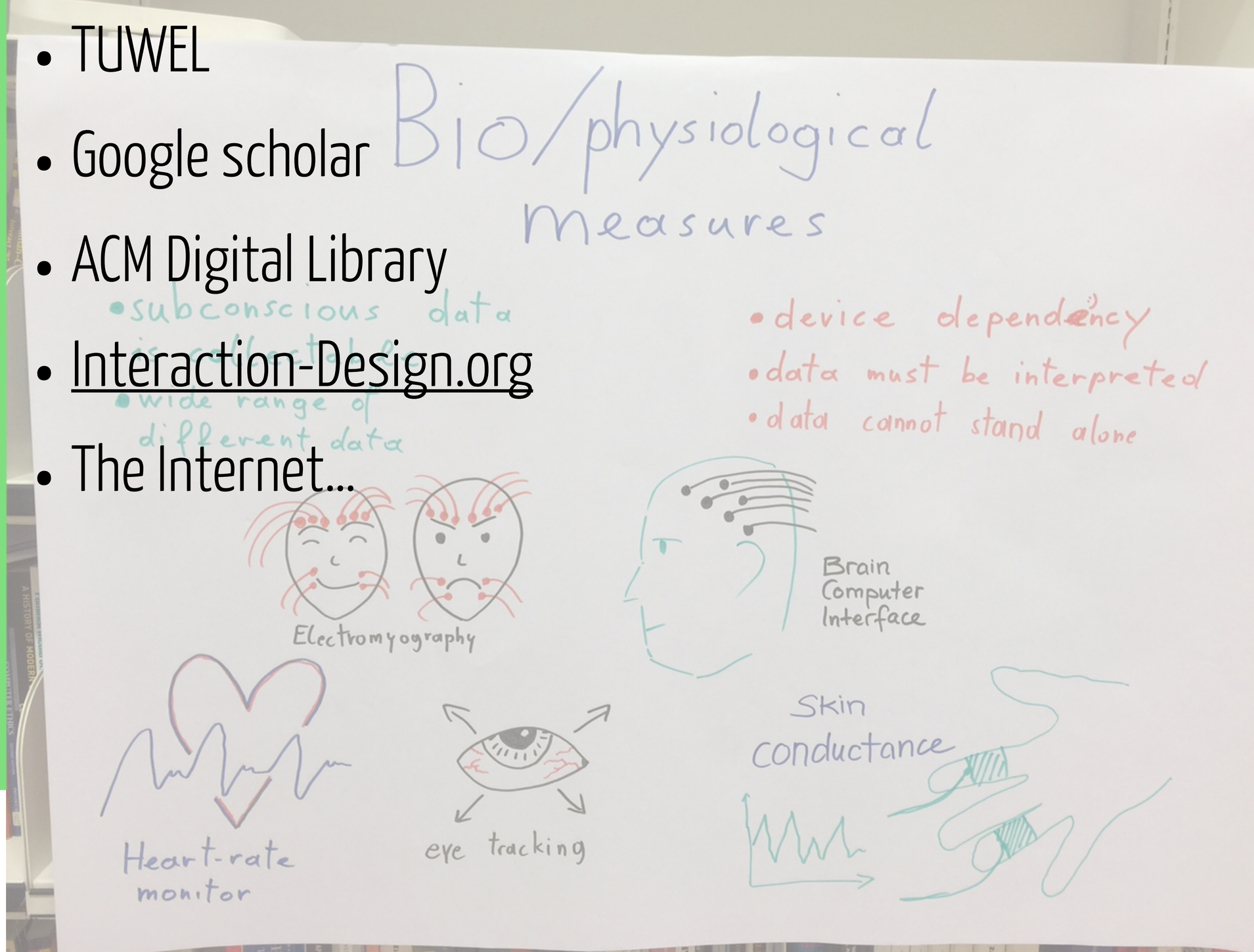
Exercise Resources

- TUWEL
- Google scholar
- ACM Digital Library
- Interaction-Design.org
- The Internet...



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