Human-Centered Computing
Research Group

Freie Universität Berlin

## «Human-Centered Data Science»

# Exercise 1

Lars Sipos

Human-Centered Computing, Institute of Computer Science

Freie Universität Berlin

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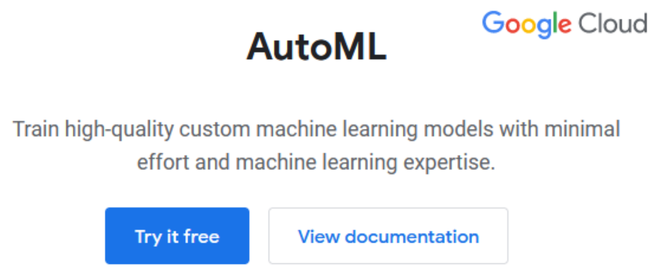
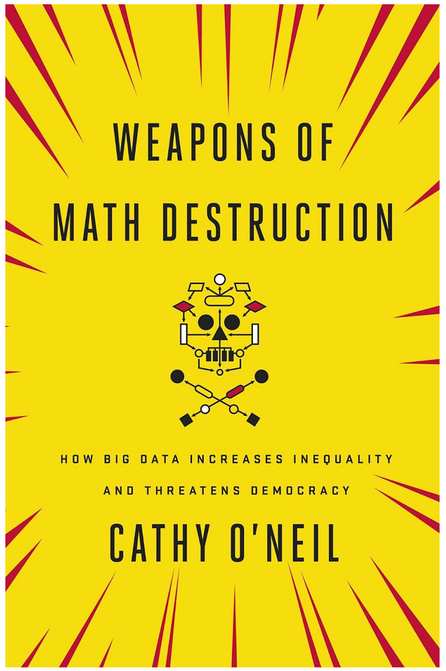
# Human-Centered Data Science

We offer this course as part of the BMBF project ENKIS [1]

➡ **Goal:** Establish study programs for responsible artificial intelligence





NEWS | 24 October 2019 | Update 26 October 2019

**Millions of black people affected by racial bias in health-care algorithms**

Study reveals rampant racism in decision-making software used by US hospitals – and highlights ways to correct it.

Google (2021), Nature (2019), Crown Books (2016)

[1] https://www.mi.fu-berlin.de/en/inf/groups/hcc/research/projects/enkis/index.html

# Exercise Concept and Overview

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# Exercise Learning Objectives

- Apply human-centered design methods in the data science practice, including ethical concerns and privacy requirements
- Build reproducible data science workflow
- Apply measures, techniques and frameworks for human-centered explainable AI (XAI)
- Augment data science workflows by qualitative research approaches
- Able to argue for a responsible usage of AI
- Value a human-entered approach

# Concept of the Exercise

**At home:**

»Reflections

» (Programming) Assignments

Solutions will be published :)

**In the exercise:**

» Reflections

» Discussions

» Group work

»Deepening of the course content

# Active Participation

Your final grade is based on the result of your **written exam** only. But …

In order to actively participate in this course, you need to fulfil the following requirements:

- You need to submit **(n-1) written reflections** and actively do them [planned are 10]
- You need to submit **(n-1) scheduled (programming) assignments** and actively work on them [planned are 6]

Each actively done reflection / assignment gives you **1 point**. You need **(n-1) points** for each submission type.

When is something considered to have been actively done?

➡ Decided by your **peers**!

# About

Exercise is in English

Time: Tuesday 10 am - 12 pm

Room: T9/051 Seminarraum (Takustr. 9)

**Consultation Hour:**

- *Monday 4 - 5 p.m. ?*
- *Friday 2 - 3 p.m. ?*
- *Friday 3 - 4 p.m. ?*
- *Office hour or Webex Meeting?*

# Time to stand up!

# Group Norms

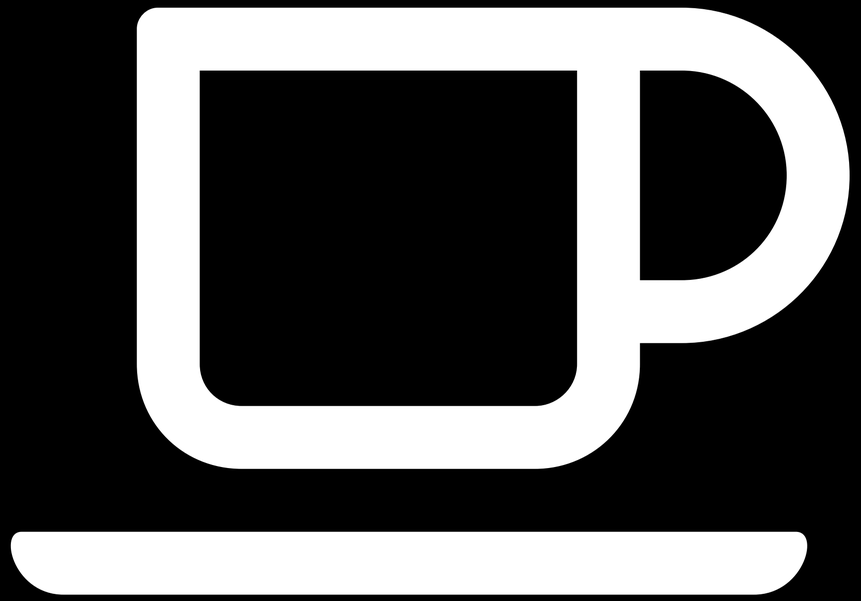
Groups work may suck… but only if you let it!

➡ Establish **group norms**, make team members' expectations clear

1. Consider the best and worst teams you've been part of
2. Discuss what makes for good and bad teams
3. Identify behaviours of successful teamwork
4. Discuss which behaviours to adopt
5. Responding to a team member who does not follow the norms

**Send a mail with your group members** to: lars.sipos@fu-berlin.de with the prefix [HCDS]

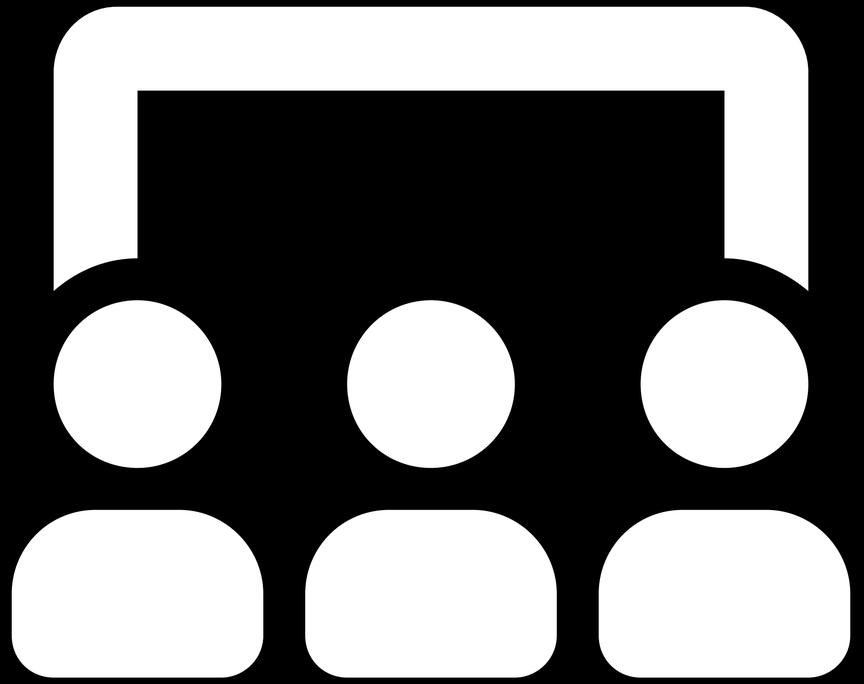
Wiese et al. Using Group Norms as Teamwork Technique in an HCI Class



5 minutes break

# Assignment 1

https://github.com/FUB-HCC/hcds-summer-2022/wiki/01_exercise



# Get into groups!

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# Next Time

you will have …

1. actively participated in the lecture
2. sent a mail with your group to lars.sipos@fu-berlin.de with the prefix [HCDS]
3. done and submitted the reflection
4. done and submitted your progress on the assignment
5. found this room ( T9/051 Seminarraum (Takustr. 9) ) again
6. survived last week (and hopefully enjoyed it)

**Have fun!**