Lab session 8

Machine Learning for Behavioral Data (CS-421)

April 21, 2021

Today

- **08:15 09:00** Tutorial on Recommender Systems Part II
- **09:00 09:15** SHORT BREAK
- **09:15 10:00** Tutorial on Structure Discovery

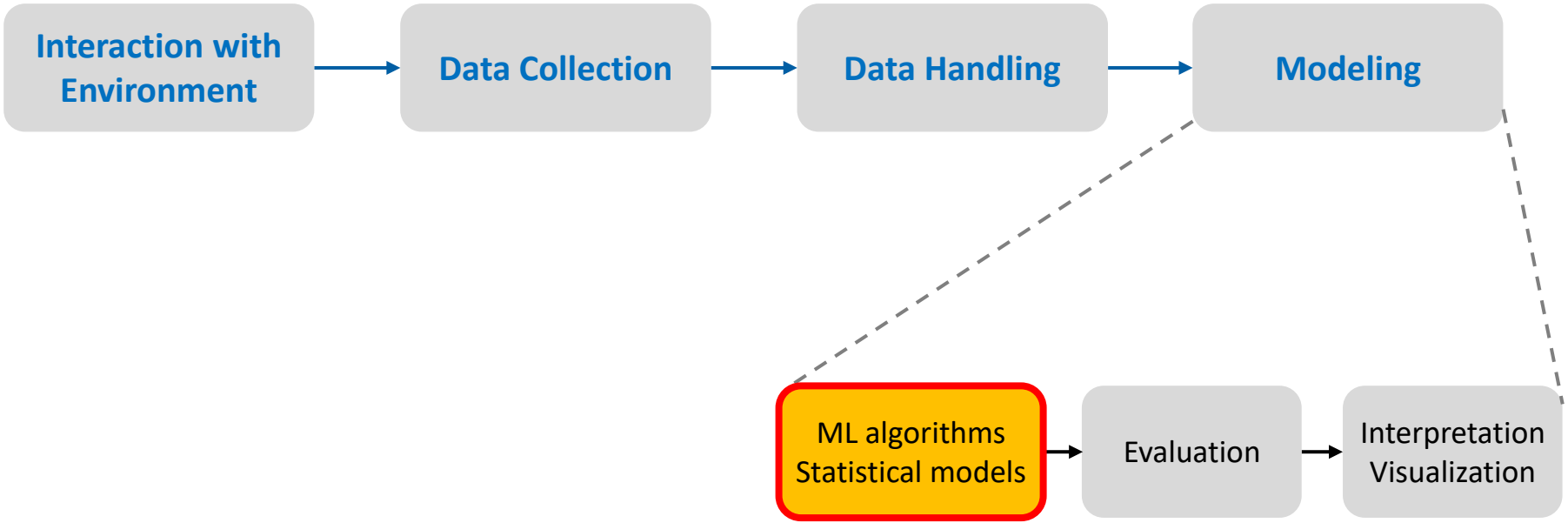
There will also be an office hour during the lab session, organized as a parallel breakout room.

Where we are

Week	Lecture	Lab Sessions	Projects
8	Recommender Systems	Tutorial + PO	M2: Research Questions and Exploratory Analysis
9	Neural Networks	Tutorial + PO	
10	Sequence Mining	Tutorial + PO	
11	Representation/ Feature Learning	Tutorial + PO	M3: Suggested Approach and Preliminary Results
12	Multimodal Analytics	Tutorial + PO	
13	Multimodal Analytics	Tutorial + PO	M4: Mature Approach and Results with Discussion
14	White Monday	PO	
15	Bias/Fairness		Project Presentations

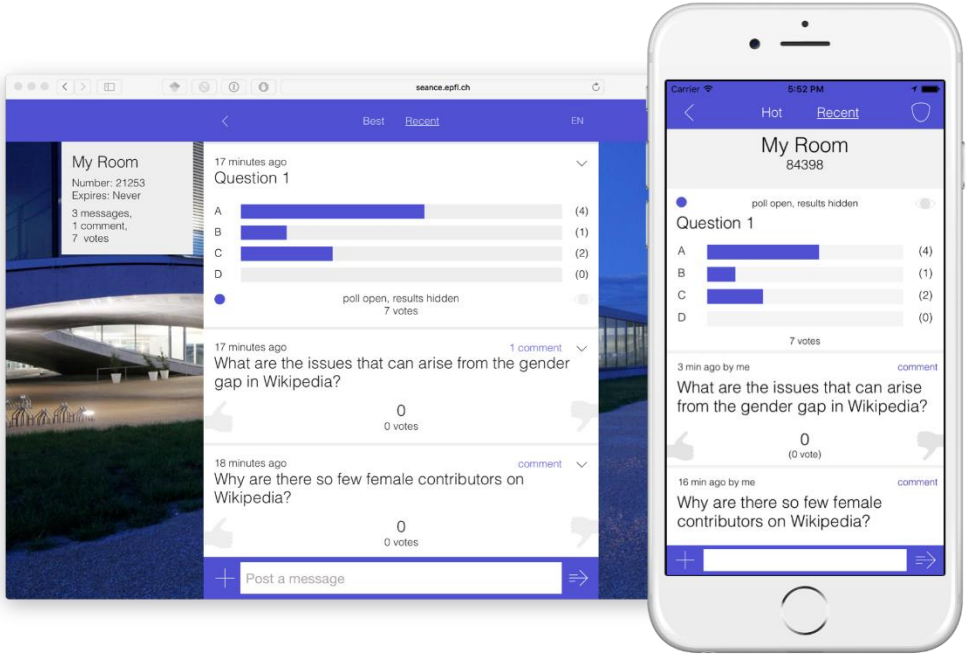
PO = project office hours

ML for Behavioral Data: Modeling



SpeakUp

- **Android / iOS:**
  http://speakup.info/
- **Web App:**
  https://web.speakup.info/
- **Room number:** 87475



Tutorial 8 Hands on

Feel free to use Noto or your own environment:

- Go to https://noto.epfl.ch/.
- Login with your GASPAR.
- If you have **NOT** already cloned the repository:
  - Go to Git → Clone → https://github.com/d-vet-ml4ed/mlbd.
- Go to Git → Pull.
- Go through Tutorials/Tutorial08/Recommender_Systems_PartII.ipynb.

Questions?

Class project milestones

- **M01** on Preferences on Tracks and Group Members
  - due March 23, 2021 23:59 CET - **MANDATORY**
- **M02** on Research Questions and Exploratory Analysis
  - due April 13, 2021 23:59 CET - optional
- **M03** on Implemented Approach and Preliminary Results
  - due May 04, 2021 23:59 CET - optional
- **M04** on Mature Approach and Results with Discussion
  - due May 18, 2021 23:59 CET – optional
- **Project Presentation** for Course Evaluation
  - to be given on May 31, 2021 - **MANDATORY**
- **Final Project Deliverable** for Course Evaluation
  - due June 11, 2021 23:59 CET - **MANDATORY**

Your current idea for the project

SpeakUp: Which type of machine-learning approach are you planning to apply?

A: Traditional supervised learning

B: Traditional unsupervised learning

C: Knowledge tracing

D: Recommendation

E: Others

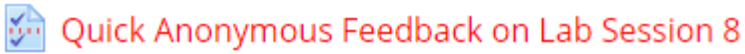
Questions?

Important upcoming dates

- Apr 23, 2021 15:00 16:00
  - Office Hour
- Apr 26, 2021 15:15 17:00
  - Lecture #9
- Apr 28, 2021 08:15 10:00
  - Lab Session #9

Your feedback is essential

- It is a new course, please give feedback on how to improve it.
- Short anonymous feedback forms on Moodle.



https://moodle.epfl.ch/mod/questionnaire/view.php?id=1147889