

computational social media

**project development:
ethical review & data management**

daniel gatica-perez

project schedule & evaluation

1. team building: **DONE**

email the list of your team members on **Week 2: Fri 04.03.2022**

each team will have a designated project mentor

2. project pitch

5-minute presentation of your project on **Week 5: Fri 25.03.2022**

structure: title, problem, goals, approach, evaluation

3. project progress presentation on **Week 10: Fri 29.04.2022**

5-minute presentation per team about project progress

4. final project presentation on **Fri 10.06.2022**

talk: 25-minute presentation + 20-minute questions

reserve day from 09:00-16:00

5. final project report by **Fri 17.06.2022**

ACM conference paper format (6 pages + references + appendix)

methodology summary

1. Research questions (RQs)

Pose research questions and tasks

2. Experimental protocol

Define target variables

(ground-truth labels)

Define independent variables

(features)

Define subject population

Define data collection process

(questionnaires, APIs, apps)

Address ethics: consent, privacy

Address storage, security, sharing

Get ethical approval

3. Data collection

Get datasets according to protocol

Manual: typically low-scale data

Automated: typically large-data

4. Processing

Clean, filter, and link raw data

5. Coding / Annotation

Enrich raw data with labels

Get external ratings

6. Analysis

Check ground-truth quality: reliability

Check feature quality

Compute descriptive statistics

Perform correlation analysis

Apply machine learning (regression,

classification, clustering)

Interpret the results

Provide answers to the RQs

7. Communication

Write report

Human Research Ethics Committee (HREC)

<https://www.epfl.ch/research/ethic-statement/human-research-ethics-committee/>

EPFL is committed to respect for the basic principles of research ethics. The EPFL Human Research Ethics Committee reviews projects conducted by EPFL researchers that involve human participants and/or personal data. These projects do not fall within the scope of the Federal Act on Research with Human Beings (HRA).



HREC at a glance



Review process

HREC online application form

- **Applicant information** and involved **collaborators/partners**, **funding source**.
- **Project details** (summary, protocol description, ethical issues, communication of results).
- **Study participants** (selection, exclusion/inclusion criteria, vulnerable participants, recruitment material, compensation) and **information and Consent procedure and forms**.
- **Data protection** (personal/sensitive data collected, recording/use of videos/images, data storage/protection/access, EU-GDPR,).
- Attachments: **CV's**, **DMP**, copies of **questionnaires**, **surveys**.

HREC online submission portal: <https://epfl-ethics-submissions.gomovein.com>

project ethical approval

process

each team needs to apply for ethical approval of their project

one person per team needs to register on submission portal

HREC application is done online

HREC application will go through simplified review procedure

feedback & approval will be provided by HREC

professor can help if you have questions with HREC application

main documents to complete/upload

EPFL HREC Template Research Protocol and Ethical Issues

Data Management Plan

when to submit application

as soon as possible after the project pitch

Q&A

daniel.gatica-perez@epfl.ch