computational social media

project development:
ethical review & data management

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19.03.2021
reminder: project schedule

1. team building: DONE
   email the list of your team members on Fri 05.03.2021
   each team will have a designated project mentor

2. project pitch
   5-minute presentation of your project on Fri 26.03.2021
   structure: title, problem, goals, approach, evaluation

3. project progress presentation on Fri 30.04.2021
   5-minute presentation per team about project progress

4. final project presentation on Fri 11.06.2021
   talk: 25-minute presentation + 20-minute questions
   reserve day from 09:00-16:00

5. final project report by Fri 18.06.2021
   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 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 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](https://epfl-ethics-submissions.gomovein.com)

Thanks to Esther Van der Velde (EPFL) for the slide
project ethical approval

process

  each team needs to apply for ethical approval of their project
  one person per team needs to register on online submission portal
  most of the application is online, couple of extra documents to upload
  application will go through simplified review procedure
  feedback will be provided
  mentors & professor will help if you have questions with application
  we will set a zoom meeting with each team to discuss your 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

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