Sidebar: Projects

- Projects will comprise, roughly, the second half of the semester.

- Project types mirror the course topics:

  - Mixed-Initiative Visual Exploration

  - Visual Analytics for Understanding Models

  - Visual Analytics for Training Models

Team Formation

- Work in teams of 2.

  - We have 9 students in the class: if everyone works in pairs, then we'll have 1 group of 3.

  - The group (if you so choose) for assignment 3 can be the group for the project, but not necessary.

Project Proposal

- Pitch your project (document and presentation):

  - Brief description of project

  - Background: what problem are you addressing?

  - Task decomposition: what specific tasks should your vis support?

  - Data, models, design

- Both document and presentation due: March 16

What goes into a project?

- Data cleaning, data wrangling: be sure this does not take up too much time

- Machine learning models

  - Mixed-initiative exploration: model should be chosen that aligns well with data & tasks

  - Model understanding, training: more freedom in choosing model, but be sure you have good prior knowledge of how the model works

- Visualization design: should be the emphasis of project

- Project scope: Assignment 3 is a decent rule of thumb

Suggestions

- I encourage projects that leverage your research - you are the domain expert! You know what is important! Tasks become very clear.

  - Should also mitigate data cleaning.

  - (working in groups might complicate this, recommended to form groups soon to work out project ideas - feel free to contact me with pitches prior to proposal)

- Project ideas: read papers for inspiration

- Identify whether Observable will suit your needs, or if a more complicated client/server architecture is appropriate