

# FINAL PROJECT PROPOSAL

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Barbara Engelhardt, Princeton University

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## Background

The final project is the culmination of your learning about machine learning and data analysis in this course. The idea is to propose an analytic problem, identify a data set to answer that analytic problem, develop or apply appropriate methods to answer the question using the data, then use appropriate metrics to quantify the results. I would recommend using data that have been cleaned and processed already instead of doing the data cleaning yourself, e.g., Kaggle data sets, and also using methods (or developing your own) starting with existing code.

## Project definition

## Deliverables

Your deliverables for the project proposal include a one page (not including citations) description of the project:

- A title, authors' names, and abstract for the project;
- an motivation of the problem being addressed;
- a thorough description of the data (cite sources), including how much processing is required;
- a description of the methods you will develop and apply to solve this problem;
- a description of the possible metrics to be used for evaluation of the results.

Please put your PDF write up of the project into

- [https://dropbox.cs.princeton.edu/COS424\\_S2018/ProjectProposal](https://dropbox.cs.princeton.edu/COS424_S2018/ProjectProposal)

by Midnight on the assignment due date, with the file name <author1PUIID>\_<author2PUIID>\_proposal.pdf. Please only submit one PDF per pair of authors.

Please use the same template we provided for homework assignments, but remove the parts that are not relevant for the proposal.