

Machine Learning for People in a Hurry—Outline

This is the workshop outline.

- The “hook”
 - What is machine learning? (Set up the problem and its variants!)
 - An overview of ML in the wild today... ChatGPT, DALL · E, etc.
 - (And a broad motivation of the topic... careers, projects)
- Introduction
 - About your presenter
 - (About your “TAs”, if they’re present)
 - Agenda
 - Goals
 - The structure of the workshop: flipped classroom!
- Wrangling
 - Reading in data
 - A **brief** note on “clean” data
 - * (Detailed wrangling techniques omitted, with a nod to other resources)
 - Data splitting
 - Where to find data for your projects
- Learning
 - 21 questions and decision trees
 - A first attempt to **f**it a fancier model
 - Transforming our data
 - Tuning our model
- Predicting
 - Assessing our model on the test set
 - Running the model against new data
 - A **brief** note on measuring performance (or, it’s not all about accuracy)
- Deploying
 - It’s a hack-a-thon! Let’s make your model useful
 - Exposing it as an API call
- Further resources
- Questions