

# Final Project Requirements

# Final Project Requirements: Demystifying ML

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01

Find a problem worth solving, analyzing, or visualizing.

02

Use ML in the context of technologies learned.

03

You must use: Scikit-Learn and/or another machine learning library.

04

You must use at least two of the below:

Python Pandas

HTML/CSS/Bootstrap

JavaScript Leaflet

Python Matplotlib

JavaScript Plotly

SQL Database

Tableau

JavaScript D3.js

MongoDB Database

05

Host application using Heroku or a tool of your choice.

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06

Prepare a 15-minute data deep-dive or infrastructure walkthrough that shows machine learning in the context of what we've already learned.

07

## Example projects:

- Create a front-end interface that maps to an API to “smarten” the algorithm.
- Perform a deep dive of existing data using machine learning.
- Create a visualization that continues to learn where clusters lie based on ML.  
(Use D3 or Plotly to change the visualization.)
- Create an idea with mock data that simulates how machine learning might be used.
- Create an analysis of existing data to make a prediction, classification, or regression.



The key is to **show** the value of what you know.

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## Forming Teams:



You can choose your team.



Teams should have 2–6 people.



Work with students from your class only.



Tell us if you want to be placed on a team.