



The Final Push

Data Boot Camp
Lesson 23.1



Final Project Requirements

Do What Your Heart Commands



Suggested Final Project: Demystifying ML

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

Google Cloud SQL

Python Matplotlib

JavaScript Plotly

SQL Database

Amazon AWS

JavaScript D3.js

MongoDB Database

Tableau

Suggested Final Project: Demystifying ML

05

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

06

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.

Final Project

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.

The background of the slide is a dark blue rectangle filled with a complex, repeating geometric pattern of triangles. The triangles are in various shades of blue, creating a textured, low-poly effect.

Questions?