**De-Mystifying ML**

1. Find a Problem worth Solving, Analyzing, or Visualizing
2. Use ML in the context of technologies learned
3. You must use:
   * Sci-Kit Learn and/or another machine learning library
4. You must use at least two of the below
   * Python Pandas
   * Python Matplotlib
   * Python Tweepy
   * Python Flask
   * HTML/CSS/Bootstrap
   * JavaScript Plotly
   * Javascript D3.js
   * JavaScript Leaflet
   * MySQL Database
   * MongoDB Database
   * Google Cloud SQL
   * Amazon AWS
   * Tableau

**De-Mystifying ML**

1. Prepare a 15 minute “data deep dive” or “infrastructure walkthrough” that shows machine learning the context of what we’ve already learned.
2. 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.**