Machine Learning – Anything that can **Train, Fit, Predict** (SKLearn, Tensorflow, Keras, etc.)

Python Pandas, Spark, Matplotlib

HTML/CSS/JS, Plotly, D3, Leaflet

SQL DB, MongoDB, Google Cloud SQL

Amazon AWS

Tableau

15 Minute Data Deep Drive or infrastructure walkthrough, showing ML in the context of what we’ve learned.

Examples:

* Create a front-end interface that maps to an API to “smarten” the algorithm.
* Perform a deep dive of existing data using machine learning. (Vague)
* 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 ML might be used. (More research based, talks more about the mechanics of how ML works)
* Create an analysis of existing data to make a prediction, classification, or regression.

Show the value of what we know. Be able to sell what we’ve learned, skill set, usefulness, etc.

**Recommendations:** Mark recommends that we try running the data through unsupervised first, then see how we can improve it by manually tweaking things.