Machine Learning

# Language

* Python
  + NumPy Library.

# Steps

* The Problem – Analyze, what do u want it to do?
* Data Collection – What data do u need, where are u getting it from? ML will be using a lot of this.
* Data Cleaning – You got to clean it, because there is so much u need to organize it.
* Data Selection – Too much data, but will u be using all of it? Is all of it relevant? No.
* Pick a model, what algorithm you are going to use, how are you going to solve the problem,
* Train Model – Feed all the data in.
* Test Model – check is the model is accurate and it actually does something.
* Repeat – keep improving the model until it is near perfect.

# Problems

* Although math is in fact a huge part if M.L. it is not scary or that hard, because you are using math that has already been do. The most important factor about the math is to understand what the model is doing.

# Getting Started

* Get the basics of the language down. (Objects, classes, syntax, built-in functions etc.)
* Basic M.L. Algorithm learning
  + Linear Regression
  + KNN (K-Nearest-Neighbors)
  + SVM (Support Vector Machines)
* Learn what Interests You
  + Reinforcement Learning (Q-learning)
  + Neural Networks
  + Computer Vision