### Introduction to the Course

## TM Quest

# Who are we?

### Topics you will learn in the course!

What is Machine Learning?

**Logistic Regression** 

Polynomial Regression

**Random Forests** 

Bias-Variance Tradeoff

**Dimentionality Reduction** 

**Neural Networks** 



Linear Regression

Preprocessing and Pipelines

**Decision Trees** 

**Cross-Validation** 

**SVMs** 

K-Nearest Neighbors

Unsupervised ML

### Next Three Videos are Prerequisites

### Stine will tell you about:

- Installing Jupyter Notebook and basic usage.
- Working with vectors and matrices in NumPy.
- Working with tabular data in Pandas.

If you already know this, then you can skip ahead. You can always refer back to this later, so don't despair if you don't catch everything.