Source:

Types of ML

- Supervised
    - Linear regression
        - Good for predicting the outcome of independent variables
        - We are trying to find a line – `y=mx+b`
        - What about with more features?
            - Just add dimensions
                - Not as visual, but math is the same
        - Helps to relate variables
        - Not good for:
            - What type of tree is x based upon height and width?
            - Not a numeric output
            - Can't just assign numbers to words, as 0-1-2 is related to each other; say, model says its a combo of 1 and 2, comes out to a 1, which DOESN'T work. (idk why that auto capitalized)
        - Very fast and simple, which makes output easy to understand
        - ==Assumes linear relation between incomes and outputs==
            - Important to visualize our data even after we run out model Screen Shot 2020-08-26 at 1.25.42 PM.png
                - These all have the same best fit line, the same x mean, y mean, x y standard dev, and a bunch more
- Unsupervised
- Semi-Supervised

Used for:

- Classification
- Clustering
    - Find related data points
- Regression
- Translation
- Anomaly Detection
    - KBPoker_With_Wes Poker Story
- Generation

Important terms:

Weights Labels