

Linear regression:

- This is me

Polynomial regression:

- Polynomial regression is a line that smoothly changes slope as X changes, this allows the line to be closer to non-linear relationships.

Decision Tree regression:

- Decision tree regression is essentially a flow chart, you answer questions and then come to answers based on the answers
- Qualitative data

A linear regression is a straight line, while polynomial can be curved.

MSE is the mean squared error, it calculates the error(difference between the predicted point and the actual point), squares it to get distance, and then takes the mean. It is a value that represents the error that a line has.

RMSE squares the MSE, preserving the original units