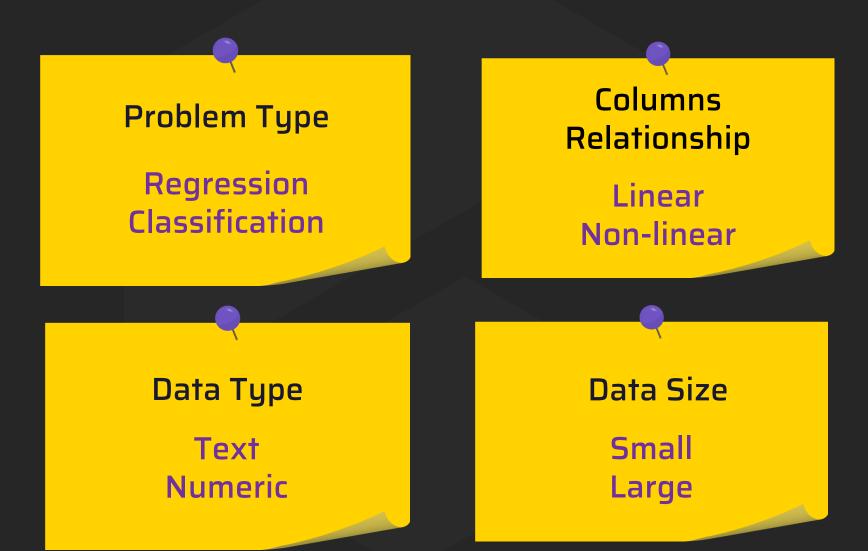


# **Model Selection Guide**

Picking the right model for a given problem statement is an art as well as a science. In this guide, we will provide some guidelines that can help you select the right model for a specific situation

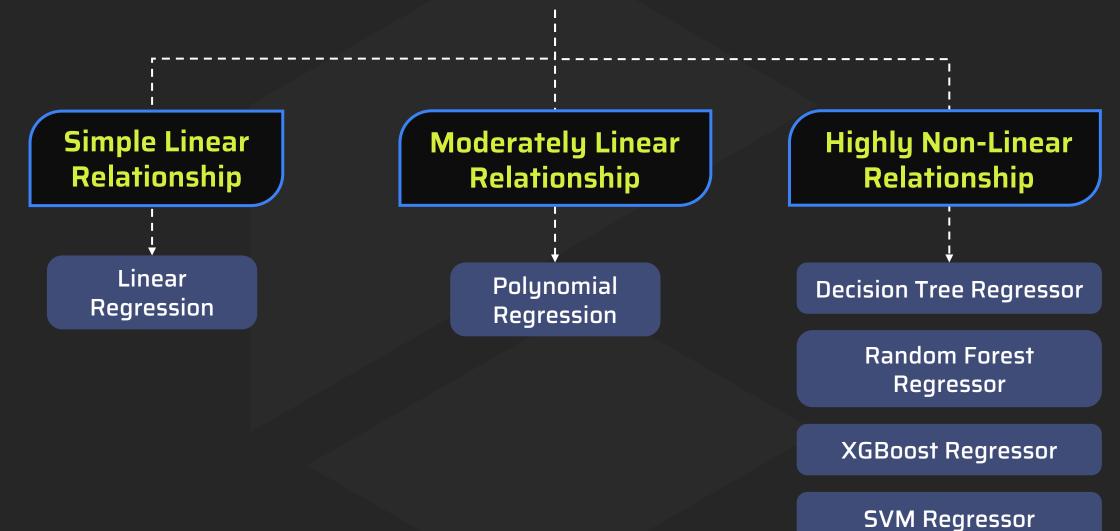


#### We will use the following 4 criteria for model selection











## Regression

Small to Medium Dataset

**Linear Regression** 

**Polynomial Regression** 

**Decision Tree Regression** 

**SVM** Regressor

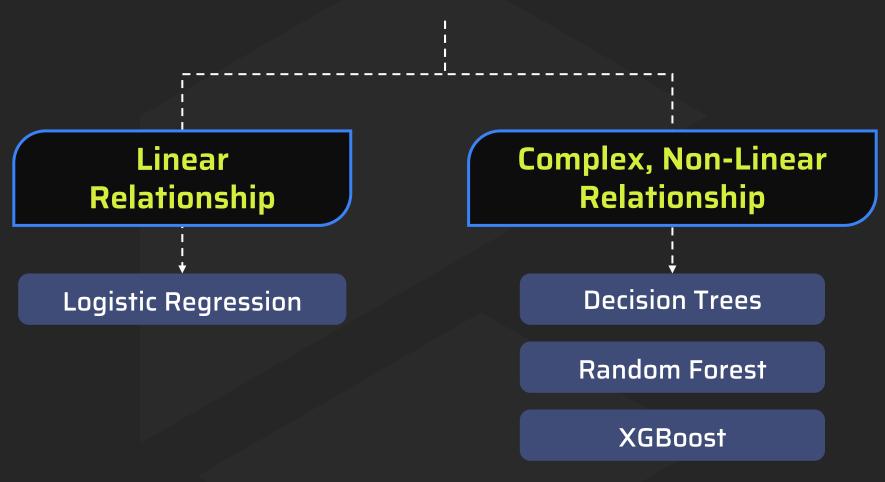
Large Dataset

Random Forest Regression

**XGBoost Regression** 

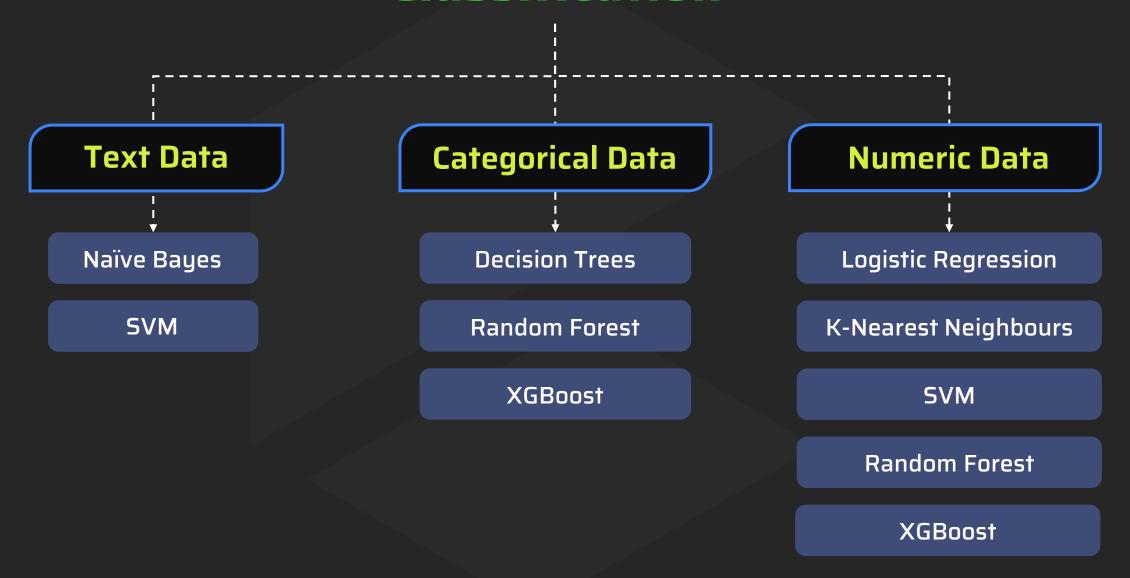






#### Classification







### Classification

**Small to** Large **Medium Dataset Dataset Random Forest Logistic Regression SVM** XGBoost

**Decision Tree** 

Naïve Bayes