

Regression vs. Classification

Common Regression Models

- Linear Regression
- Polynomial Regression
- Regression Trees/Random Forests
- Neural Nets
-

Common Classification Models

- Logistic Regression
- Decision Trees
- KNN
- Support Vector Machines
- Naive Bayes
- Neural Nets
-

Supervised vs. Unsupervised

Supervised

- Has labeled data (we know the correct answers and use them to train the model)
- Goal: to accurately predict our target value
- e.g. classification or regression

Unsupervised

- Does not have labeled data (there are no correct answers)
- Goal: to create/recognize latent structure in the data
- e.g. PCA, clustering