Regression vs. Classification

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

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

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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