

1 Classification FREE

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In this chapter, you will be introduced to classification problems and learn how to solve them using supervised learning techniques. Classification problems are prevalent in a variety of domains, ranging from finance to healthcare. Here, you will have the chance to apply what you are learning to a political dataset, where you classify the party affiliation of United States Congressmen based on their voting records.

▶	Supervised learning	50 xp
☰	Which of these is a classification problem?	50 xp
▶	Exploratory data analysis	50 xp
☰	Numerical EDA	50 xp
☰	Visual EDA	50 xp
▶	The classification challenge	50 xp
</>	k-Nearest Neighbors: Fit	100 xp
</>	k-Nearest Neighbors: Predict	100 xp
▶	Measuring model performance	50 xp
</>	The digits recognition dataset	100 xp
</>	Train/Test Split + Fit/Predict/Accuracy	100 xp
</>	Overfitting and underfitting	100 xp

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