

Data mining fundamentals: supervised classification. Go to  
  
`socrative.com` and class FDD2

# Course Overview

## Overview Learning

- ▶ Supervised vs Unsupervised Learning Problems
- ▶ Supervised Learning and Decision Rules
- ▶ Training, Testing and Experimental Methodology

## Classification with trees

- ▶ Decision stumps and trees.
- ▶ Pruning and model selection.

## Classification with nearest neighbour

- ▶ The dirty secret of machine learning.
- ▶  $k$ -Nearest Neighbour.

## Advanced topics

- ▶ Robustness and randomisation.
- ▶ Bagging.
- ▶ Random forest.

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