

Homework 1 Presentation

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Overview

1 Supervised and Unsupervised Learning

2 Hastie and Tibshirani

Supervised and Unsupervised Learning

Q: What's the difference between Supervised and Unsupervised learning?

Supervised and Unsupervised Learning

Supervised Learning

- Labeled Data

Unsupervised Learning

- Unlabeled Data

Remark

Supervised learning requires labeled or pre-classified data

Caution!

Labeled data often comes with a greater up-front cost, typically through manual classification

Supervised and Unsupervised Learning

Supervised Learning

- Labeled Data
- Known Features

Unsupervised Learning

- Unlabeled Data
- Unknown Features

Remark

Supervised and Unsupervised Learning

Supervised Learning

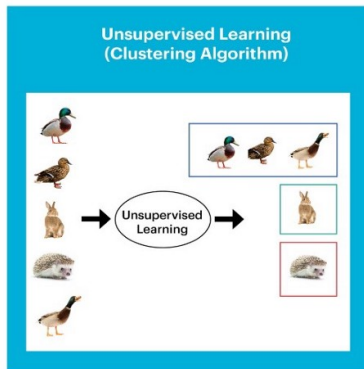
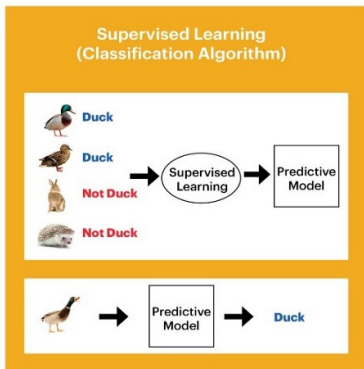
- Labeled Data
- Known Features
- Leverages Experience

Unsupervised Learning

- Unlabeled Data
- Unknown Features
- Discovers New Patterns

Remark

For Example:



Western Digital.

Hastie and Tibshirani

Sample frame title

Examples

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