Course info + logistics

Work:

→ 4 HW (written + programming) - in pairs

→ Midterm

→ Final Project - in teams of 1-3

Friday TA sections - worked examples, prereq review

Discussion forum - Ed

Course topics

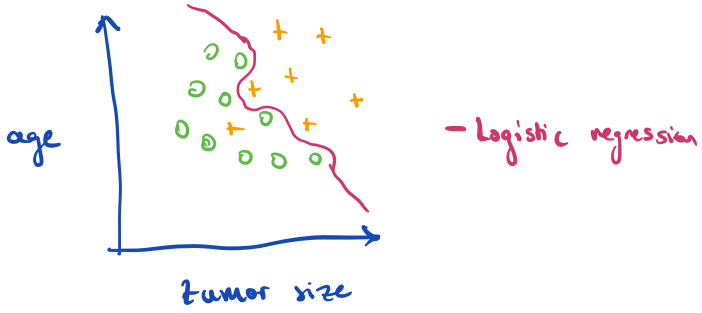
→ Supervised learning

Given dataset (X, Y) : X features, Y labels/outputs

where every x_i feature vector has label y_i

learn a model $\Theta : X \to Y$ that maps feature vectors to outputs

For example: Cancer prediction.

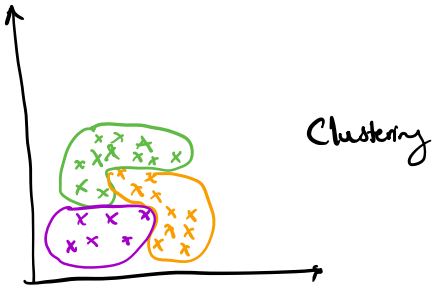


→ Deep learning (neural networks)

→ Practical ML advice

→ Unsupervised learning

Given dataset X (features only), find interesting properties about the data



ex. Google News – recommendation algorithm

→ Reinforcement Learning