University of Zurich[UZH]

Institute of Computational Linguistics

Introduction to Machine Learning

Lesson 2

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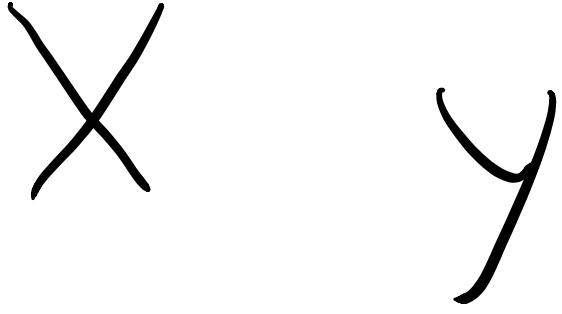
model

INDIA-BURM
ANDRYSIAK

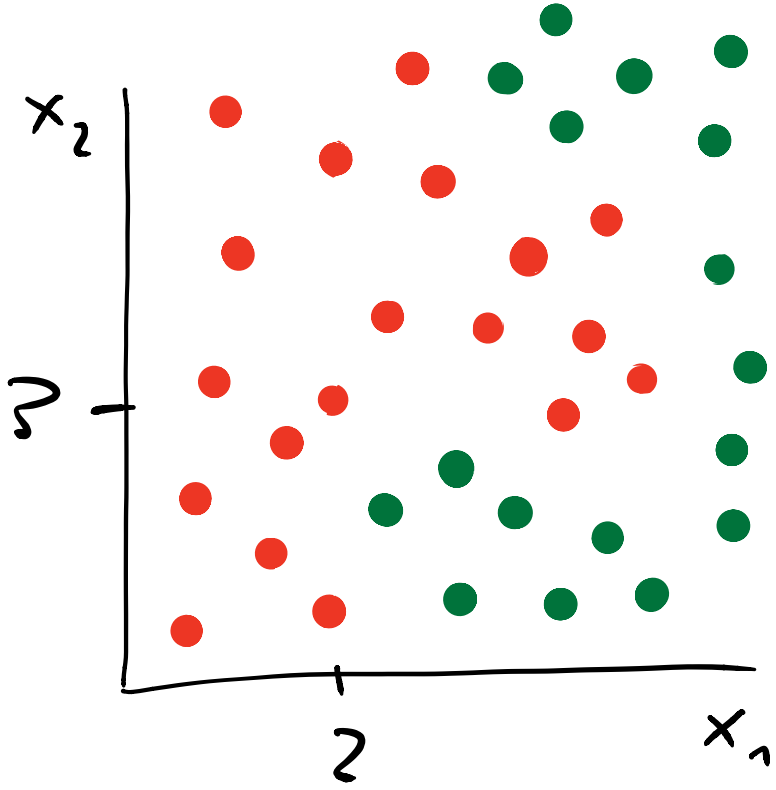
Topic of this lesson

- a first classification algorithm: K Nearest Neighbor (KNN)



Visualize training data

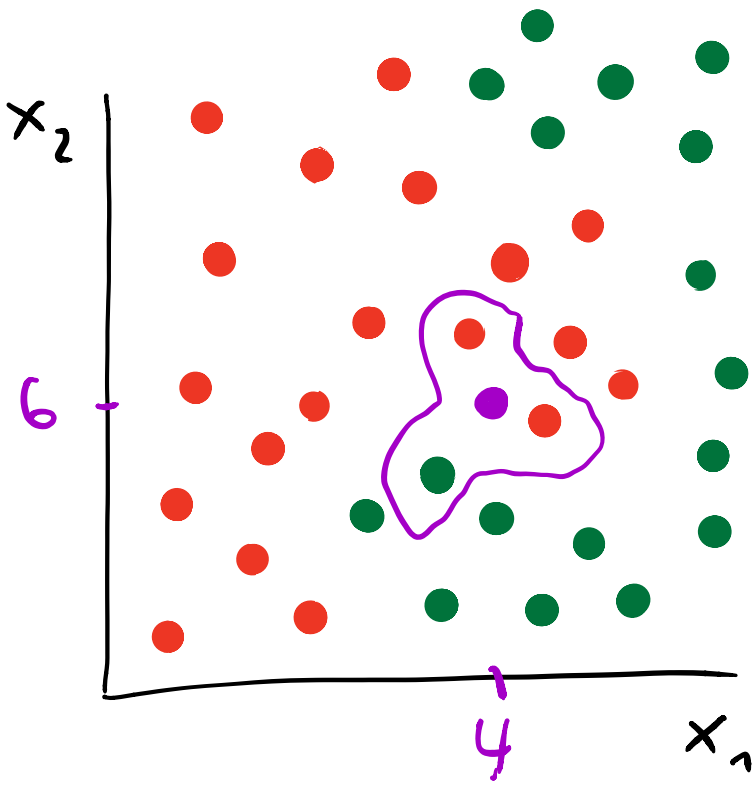
$$x = \begin{bmatrix} 2 \\ 3 \end{bmatrix}$$



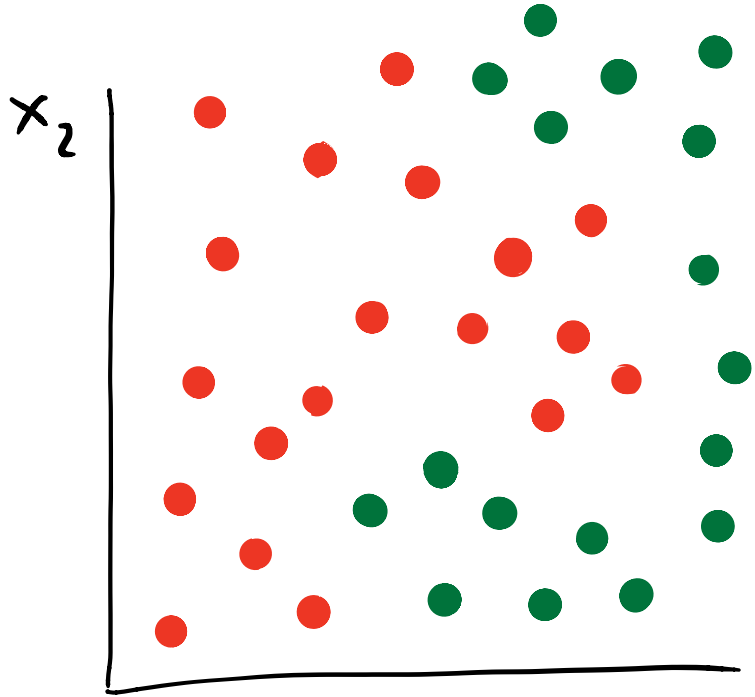
KNN

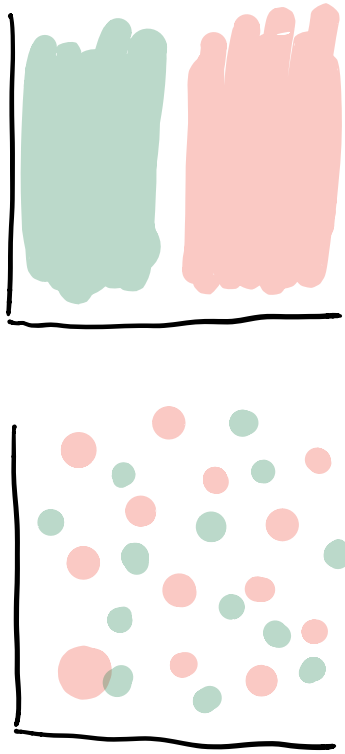
K nearest neighbor (KNN)

$K = 3$



K nearest neighbor (KNN)





decision regions

Summary

- KNN as first classifier
- k: how many neighbors are considered
- fast to train, slow to use

2.ipynb