A brief introduction to the k-nearest neighbors classifier

Course: English for Academic Purposes

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Classifying rodents

Problem introduction

Classifying rodents

Training data

Labelled data

Day measurements

Unlabelled data

Night measurements

Unlabelled data

Data superposition

Visual prediction



Higher dimensional data



Distance

Distance

Closeness

Closeness ranking

Closeness

Nearest neighbour label

2D set recap



Edges to the nearest neighbour

Nearest neighbour prediction

Decision boundary

Decision boundary

Prediction for 10-NN

Decision boundary for 10-NN



Data summary

Dataset summary

Results

Results

Questions?

Thank you! Questions?

