Homework Assignment 1

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## Problem 1 (Practice the computation of KNN)

When K = 1, classified label is ‘A’

When K = 2, classified label is ‘A’

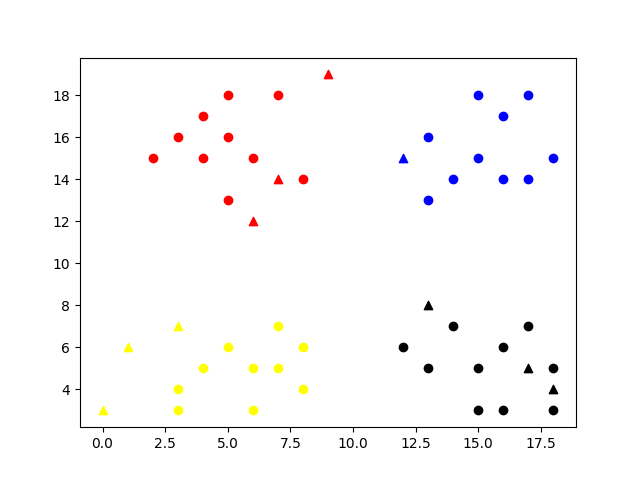
When K = 3, classified label is ‘A’

电脑萤幕的截图

描述已自动生成

## Problem 2 (KNN for simple data)

K = 1



K = 5

图表, 散点图

描述已自动生成

K = 10

图表, 散点图

描述已自动生成

文本

描述已自动生成

文本

描述已自动生成

## Problem 3 (KNN for handwriting digit recognition)

I choose 20 testing images and train them on all 60000 training datasets, the accuracy is 0.95

文本

描述已自动生成

文本

描述已自动生成