

Matt's Exercises

Due never!

Problem 1. (Exercise 1.1)

Imagine you have n data points. Define $d(x,y)$ to be the distance between x and y .

$d(x,y) = 1$ if x and y are different, and $d(x,y) = 0$ if x and y are the same.

What is the smallest dimension k such that the data points can be embedded in \mathbb{R}^k ?