

# R 语言实战系列之

Practical methods for learning data science in R

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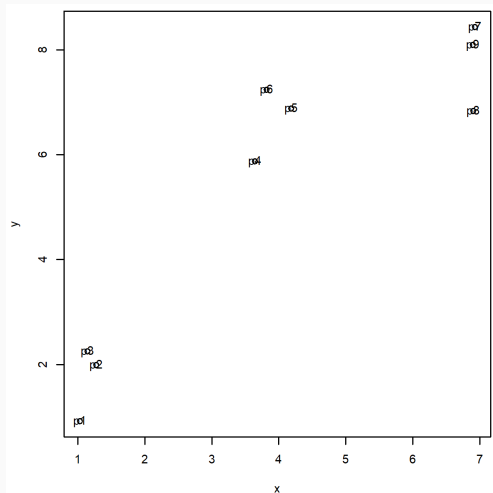
# **PMLDSR\_0003: Efficiently perform kNN related operations in R**

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# Outline

- kNN
  - k-Nearest Neighbors algorithm
  - Used for classification and regression tasks
  - One of important steps in kNN: find nearest neighbors
  - Efficient functions in R
- 执行实战操作 in RStudio
  - 如何找到 k 个最近邻
  - 介绍 7 种非常有效的 kNN 方法
  - 简单比较这 7 种方法

# How to find 4 nearest neighbors for each point in the plot



**Figure 1:** Scatter plot for learning kNN