Week 10 Exercises

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Contents

7.6.1 (Section 7.6.7)

Execute the BDMO Algorightm with p=3 on the following 1-dimensional, Euclidean data:

```
1, 45, 80, 24, 56, 71, 17, 40, 66, 32, 48, 96, 9, 41, 75, 11, 58, 93, 28, 39, 77
```

The clustering algorithms is k-means with k = 3. Only the centroid of a cluster, along with its count, is needed to represent a cluster.

```
# ####### #
# Functions #
# ######## #
source("clustering_library.R")
```

```
##
## Attaching package: 'dplyr'
##
## The following objects are masked from 'package:stats':
##
## filter, lag
##
## The following objects are masked from 'package:base':
##
## intersect, setdiff, setequal, union
```