Simple Linear Regression

What is clustering?

Clustering is grouping data points into groups where data points in one group are `similar` to each other.

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Methods of Clustering
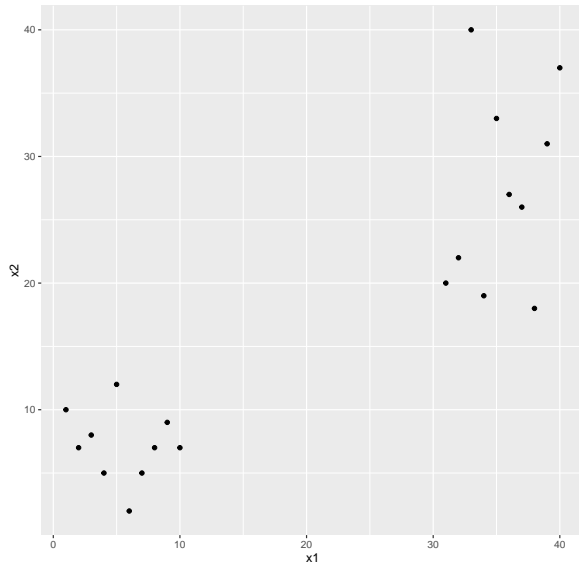
We will cover two clustering methods:

▶ K-means clustering and
▶ Hierarchical clustering

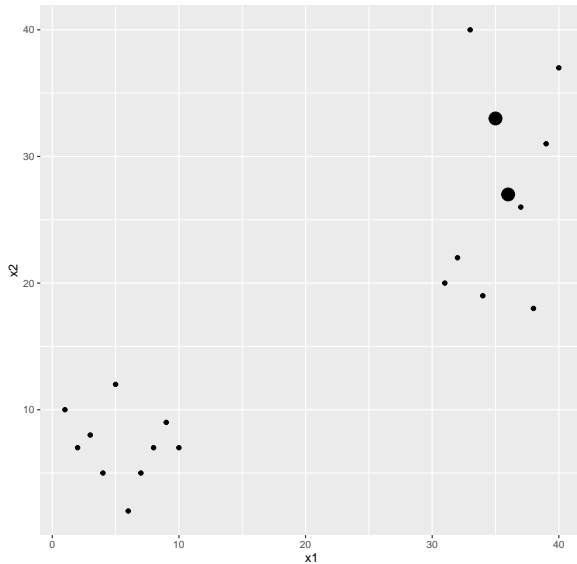# K-means Clustering
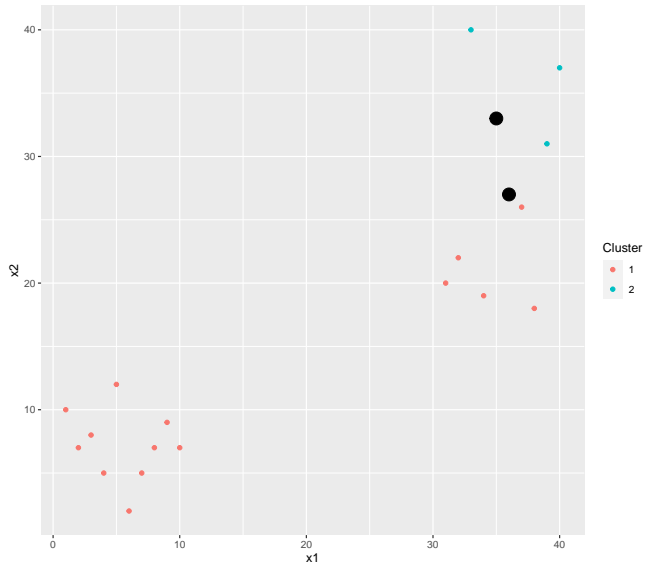
- Data
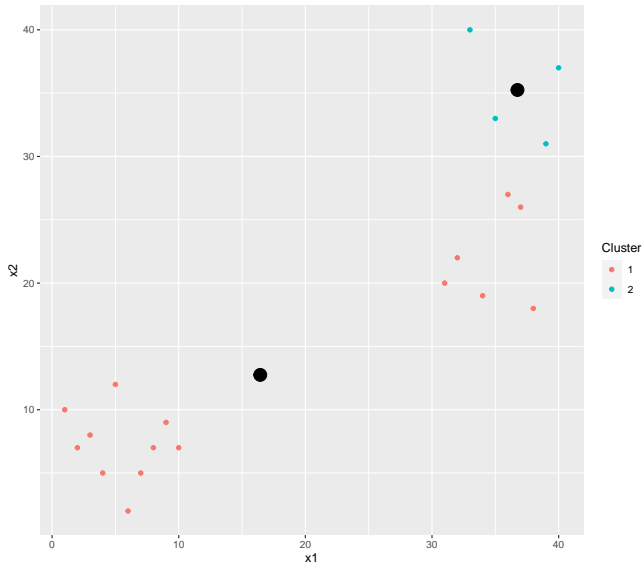- Visualize Data
- Result of K-means clustering

Step 1

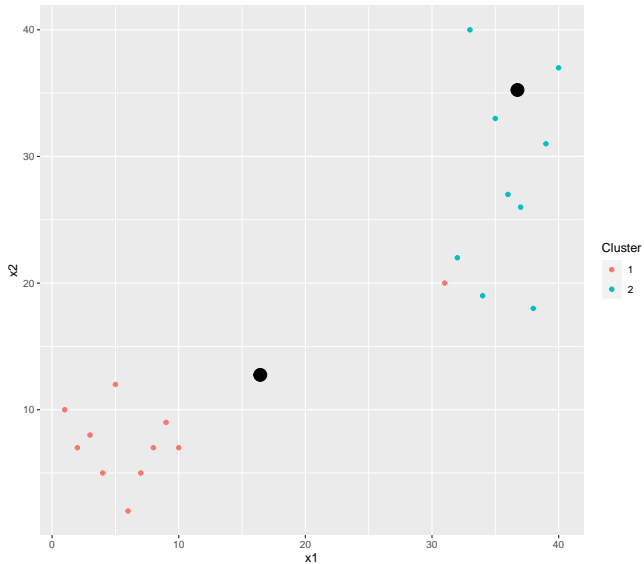# Step 1: Randomly select centroids
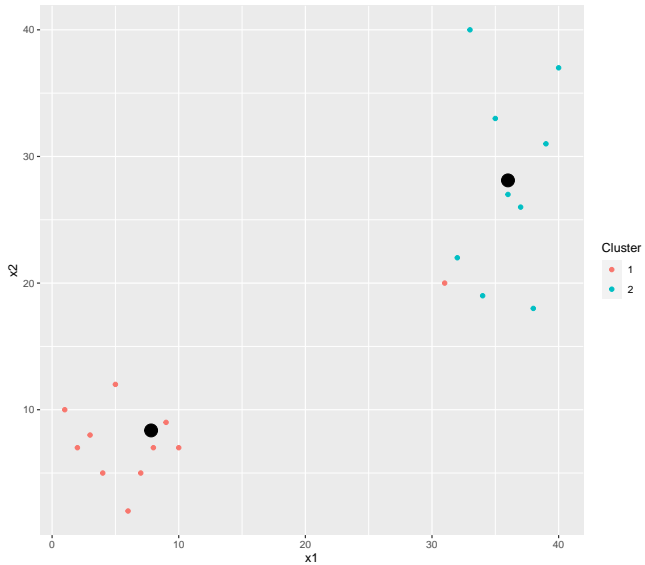
Step 1: Collect points for each clusters
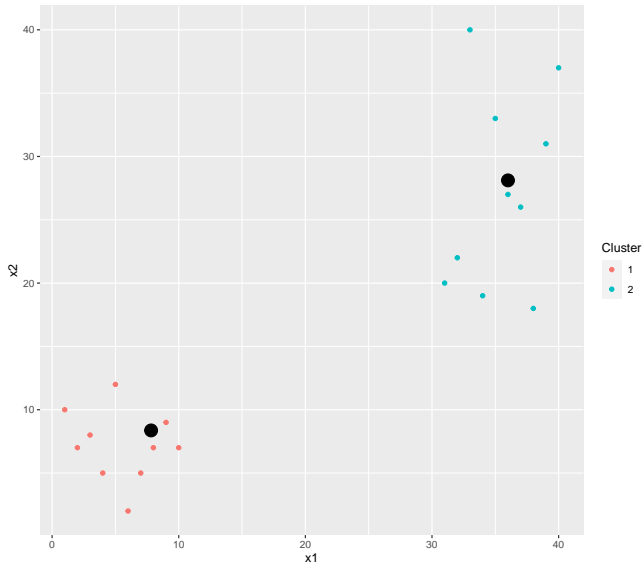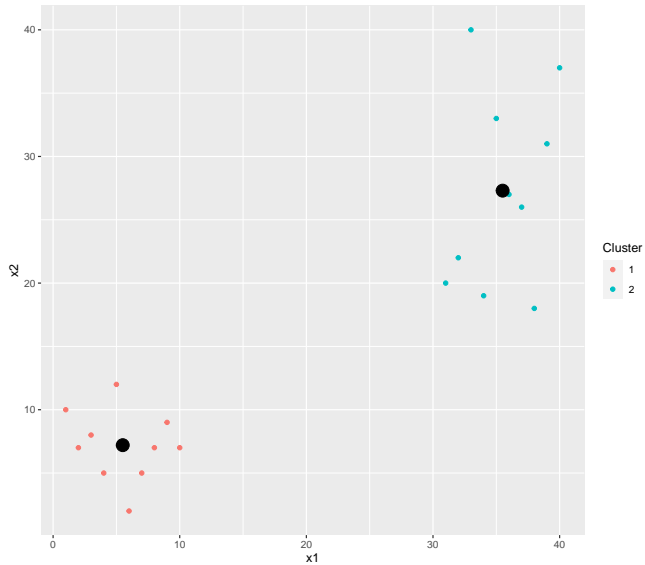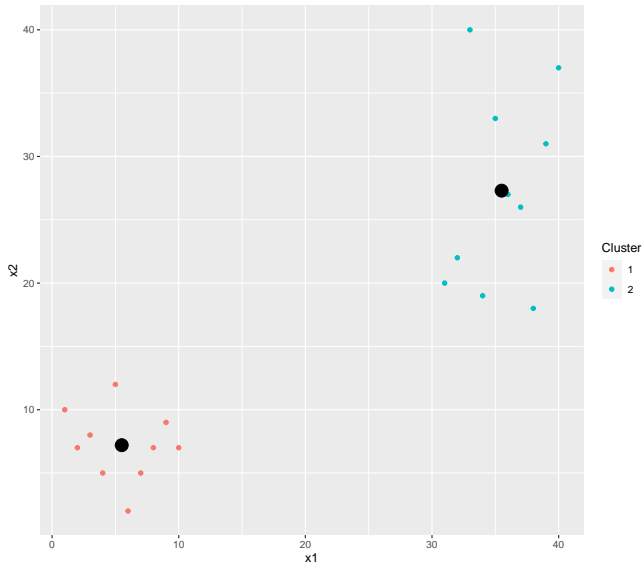
Step 2: Relocate centroids

Step 2: Collect points for each clusters

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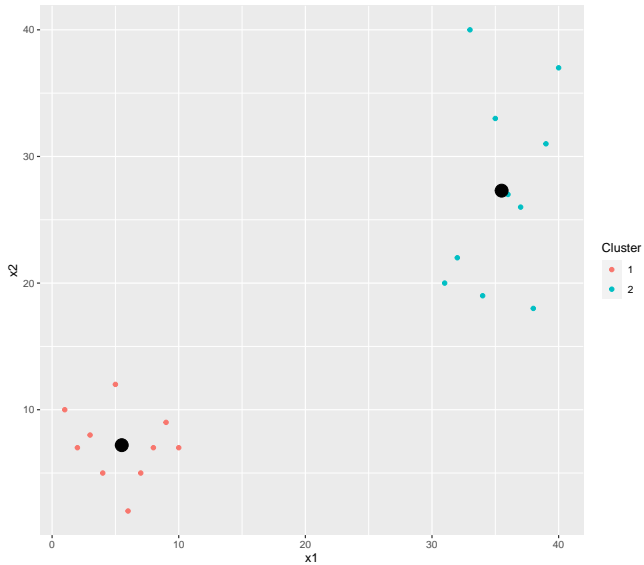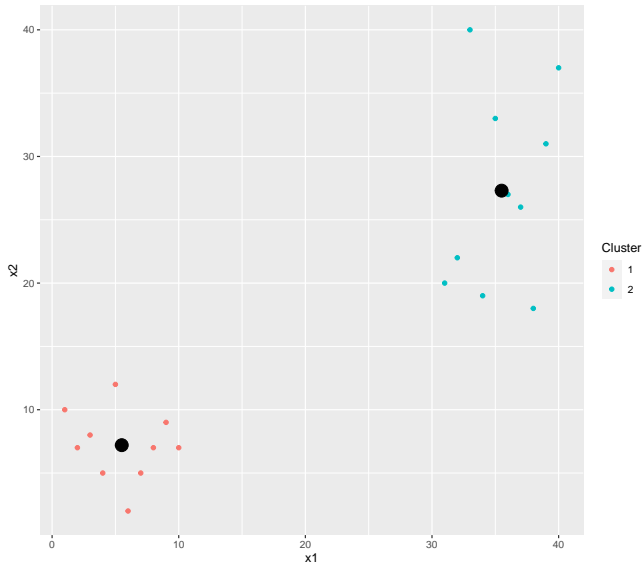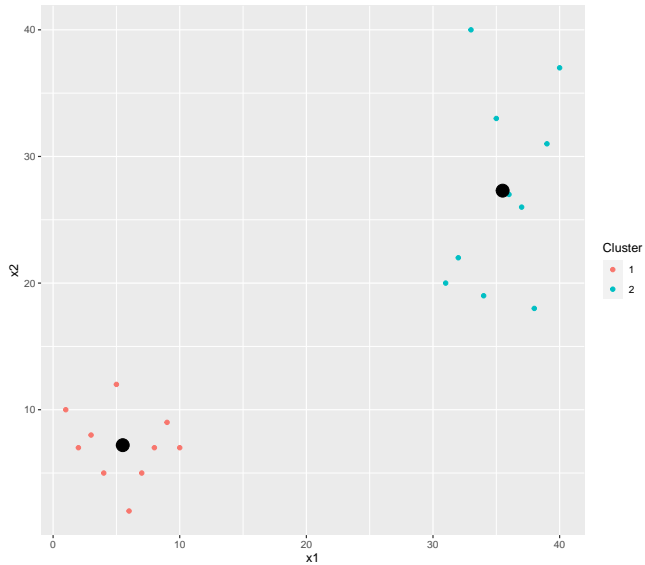# Step 2: Collect points for each clusters
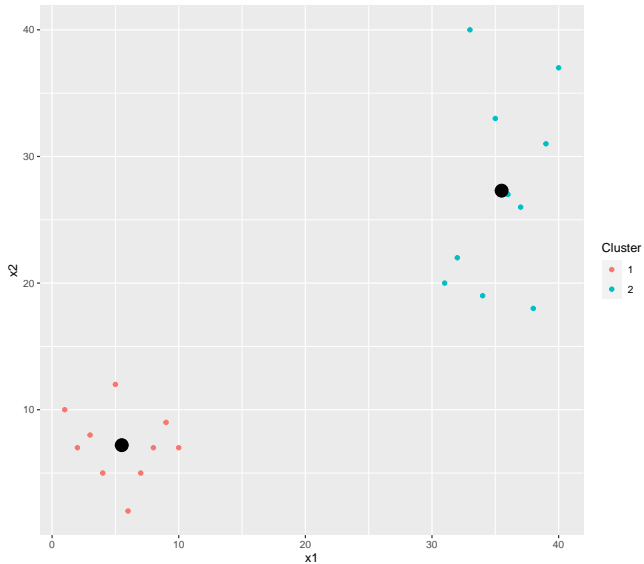
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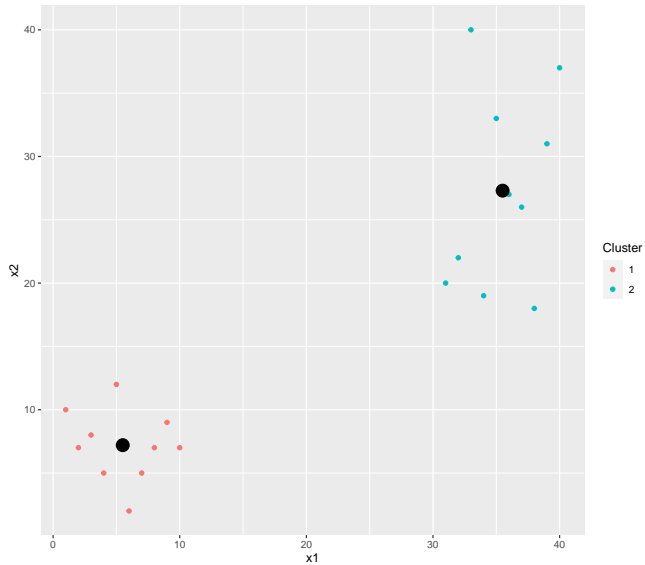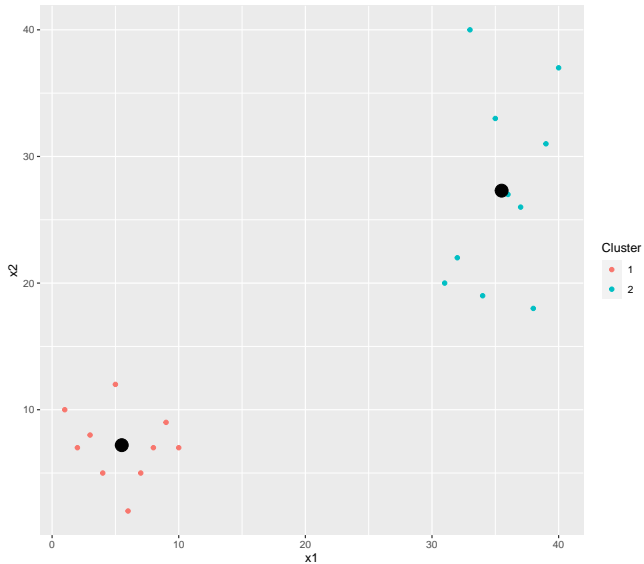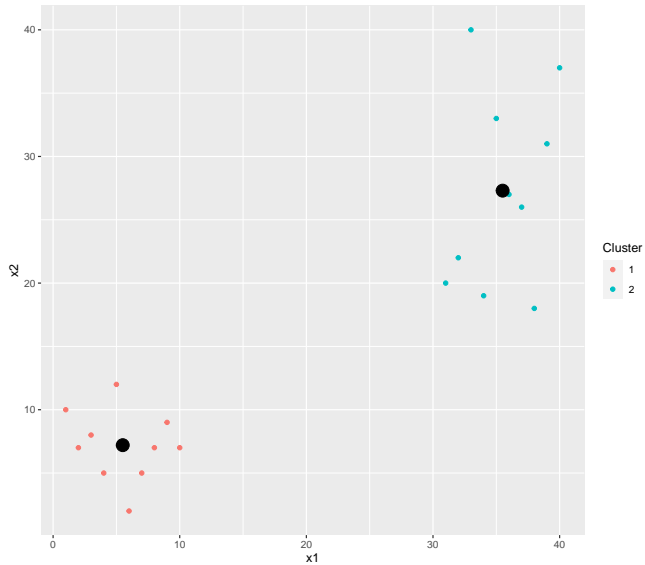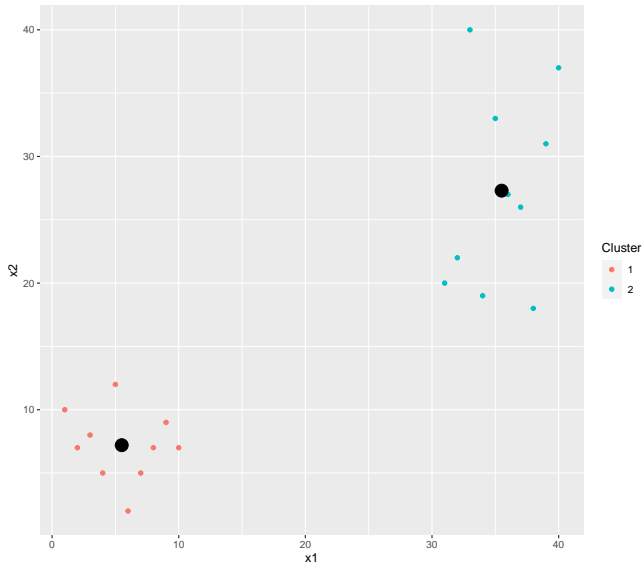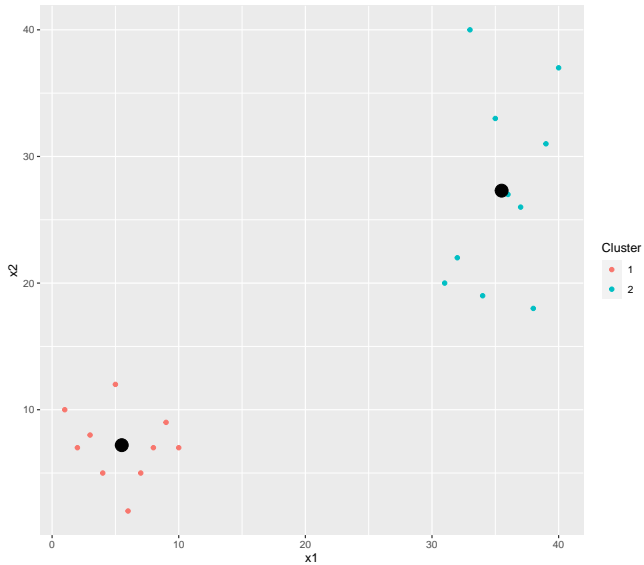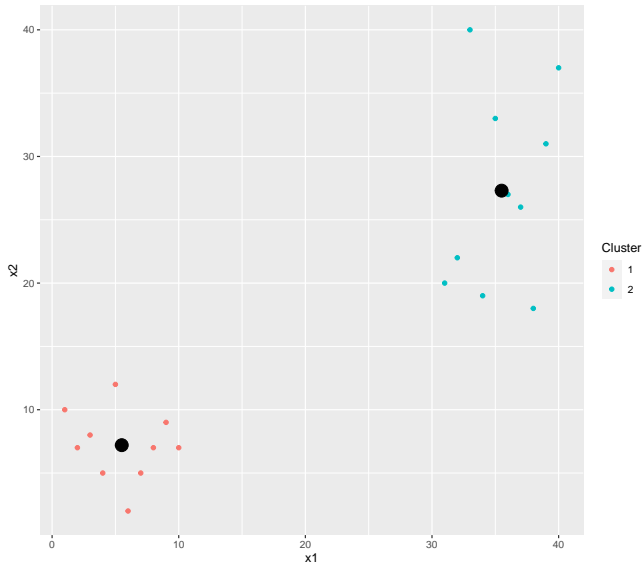# Step 2: Collect points for each clusters

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Centroids

Cluster	x1	x2
1	5.5	7.2
2	35.5	27.3