

K-means Assignment

Problem Statement:

Consider yourself to be Sam who is a data scientist. He has been approached by a retail car showroom to help them segregate the cars into different clusters

Tasks to be performed:

1. Building the k-means clustering algorithm:
 - a. Start off by extracting the 'mpg', 'dis' & 'hp' columns from the 'mtcars' data.frame. Store the result in 'car_features'
 - b. Build the kmeans algorithm on top of 'car_features'. Here, the number of clusters should be 3
 - c. Bind the clustering vector to 'car_features'.
 - d. Extract observations belonging to individual clusters

 2. On the same 'car_features' dataset build a k-means algorithm, where the number of clusters is 5
 - a. Bind the clustering vector to 'car_features'
 - b. Extract observations belonging to individual clusters
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