COMP4431 Lab assignment 2

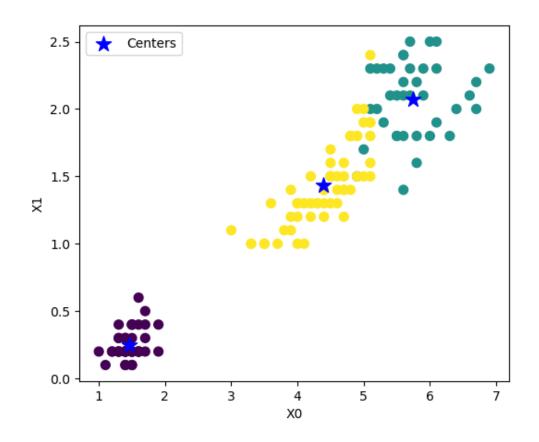
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18082849d 18081491d 18081569d 18085481d
November 3, 2020

1. K-means with sklearn for 3 clusters

a. Find the centroids:

The Centroids Of Source whose cluster is 3:

[[5.006 3.428 1.462 0.246] [6.85 3.07368421 5.74210526 2.07105263] [5.9016129 2.7483871 4.39354839 1.43387097]]

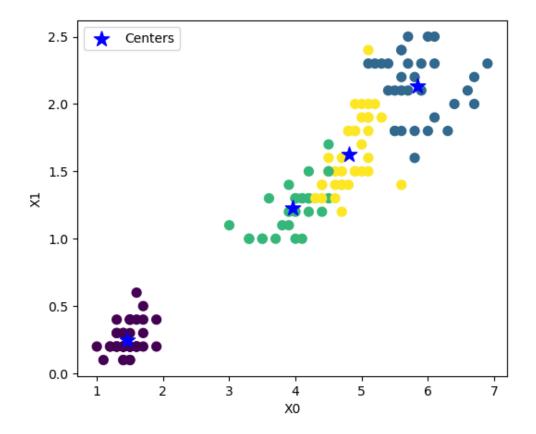


2. K-means with sklearn for 4 clusters

a. Find the centroids:

The Centroids Of Source whose cluster is 4:

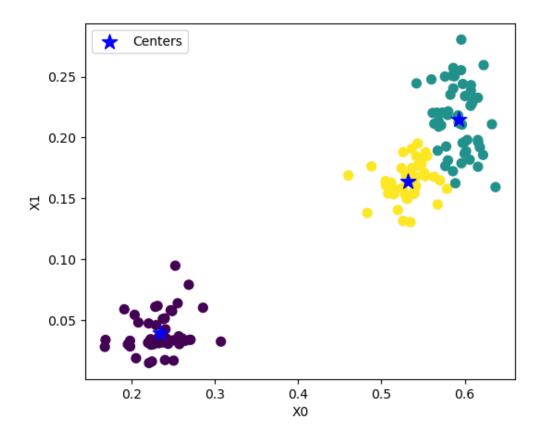
[[5.006	3.428	1.462	0.246]
[6.9125	3.1	5.846875	2.13125]
[5.53214286	2.63571429	3.96071429	1.22857143	3]
[6.2525	2.855	4.815	1.625]]



3. K-means with sklearn for 3 clusters, normalized

a. Find the centroids:

The Centroids Of Normalized Source whose cluster is 3 : [[0.80113979 0.5472692 0.23440877 0.03917808] [0.70495129 0.32178747 0.59235975 0.21499323] [0.75290517 0.34920791 0.53149597 0.16393735]]



4. K-means with sklearn for 4 clusters, normalized

a. Find the centroids:

The Centroids Of Normalized Source whose cluster is 4 : [[0.69792651 0.33739007 0.58834889 0.22665026] [0.80113979 0.5472692 0.23440877 0.03917808] [0.75264296 0.35097959 0.53096549 0.16345989] [0.72176224 0.28874378 0.59819549 0.19071126]]

