

2-MEANS CLUSTERING

IMPLEMENTATION TRANSCRIPT

Dataset 1:

K-MEANS CLUSTERING IMPLEMENTATION OVER FPGA.

Press ENTER to begin.

Loading dataset...

Sr.no.	Co-ordinates
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1	(11, 18)
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2	(10, 20)
---	----------

3	(10, 20)
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<Please Refer *Datasets/CustomData1.dat*>

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201	(14, 7)
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Transmitting the size of the dataset: 201

Transmitting the dataset...

Receiving cluster centroids...

C1: (13, 5)

C2: (11, 19)

Clustering Completed.

K-MEANS CLUSTERING (VALIDATION USING PYTHON)

Press Enter to load the data and begin clustering.

Converged centroids:

[11.03, 19.71]

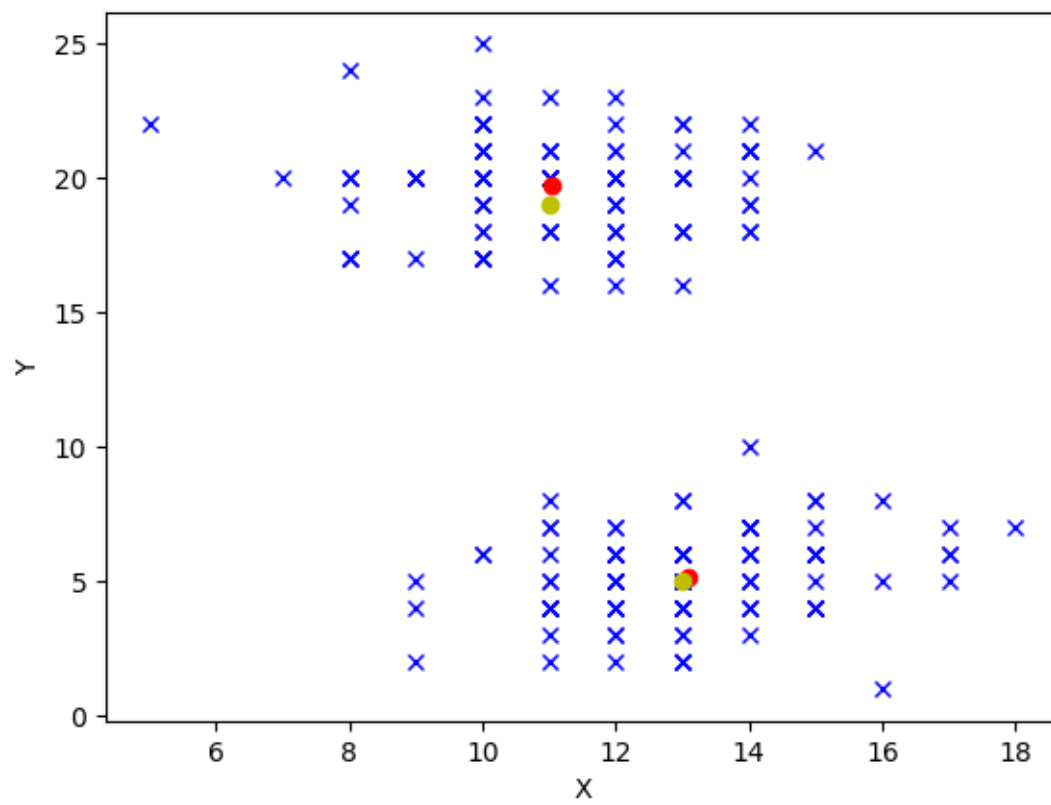
[13.09, 5.14]

Centroids identified by the FPGA:

[13, 5]

[11, 19]

K-Means clustering



Dataset 2:

K-MEANS CLUSTERING IMPLEMENTATION OVER FPGA.

Press ENTER to begin.

Loading dataset...

Sr.no.	Co-ordinates
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1	(7, 16)
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2	(9, 19)
---	---------

3	(10, 17)
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<Please Refer *Datasets/CustomData2.dat*>

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176	(20, 7)
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Transmitting the size of the dataset: 176

Transmitting the dataset...

Receiving cluster centroids...

C1: (6, 17)

C2: (19, 5)

Clustering Completed.

K-MEANS CLUSTERING (VALIDATION USING PYTHON)

Press Enter to load the data and begin clustering.

Converged centroids:

[19.11764705882353, 5.552941176470588]

[6.7, 17.433333333333334]

Centroids identified by the FPGA:

[6, 17]

[19, 5]

K-Means clustering

