

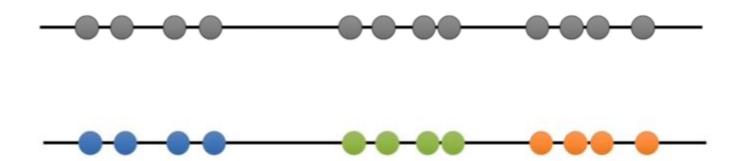
Dr. N MEHALA

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Agenda







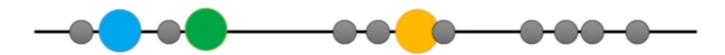
K-Means Clustering Algorithm

Initialization Step

a. Input Objects



- b. Input K Value: Let K=3
- c. Randomly choose K Cluster Centriod Objects





K-Means Clustering Algorithm

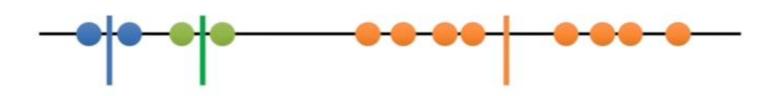
ASSIGNMENT STEP



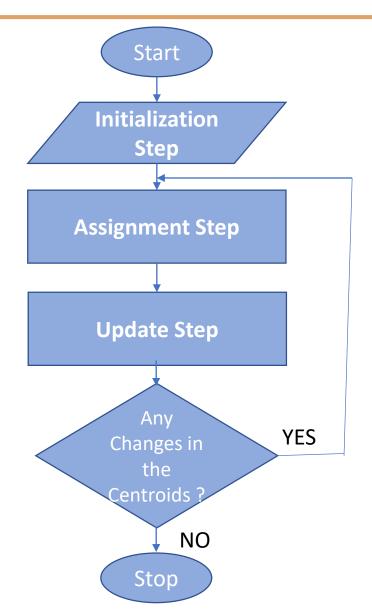
K-Means Clustering Algorithm

ASSIGNMENT STEP

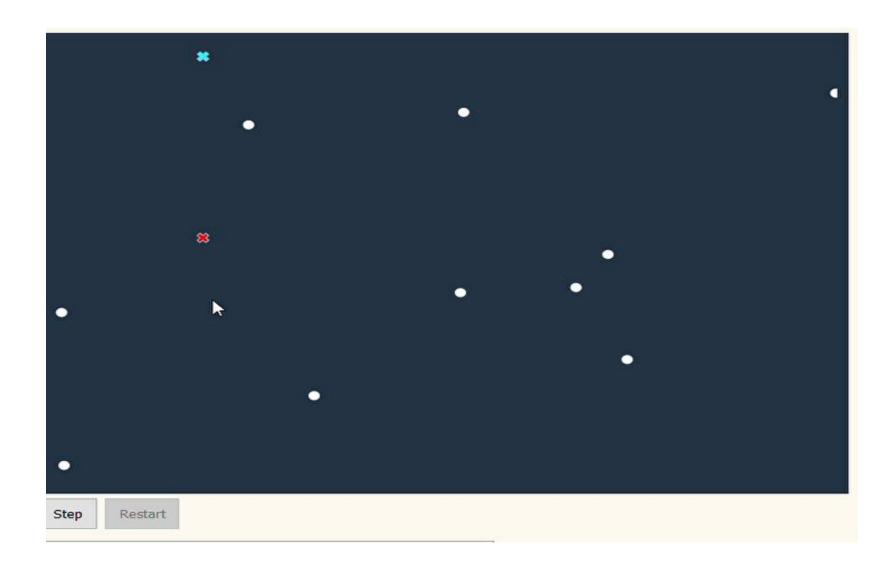
Since the clustering did not change at all during the last iteration, we're done...













Resources

- http://www2.ift.ulaval.ca/~chaib/IFT-4102 7025/public html/Fichiers/Machine Learning in Action.pdf
- http://wwwusers.cs.umn.edu/~kumar/dmbook/.
- ftp://ftp.aw.com/cseng/authors/tan
- http://web.ccsu.edu/datamining/resources.html





THANK YOU

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