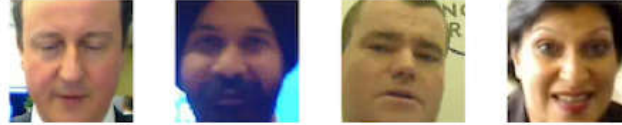


Suppose we have a dataset of pictures and we want to cluster them. Which partitioning algorithm seems more appropriate?

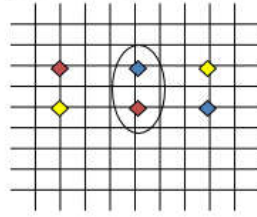


- A. k-medoids
- B. k-medians
- C. k-means
- D. none of the above

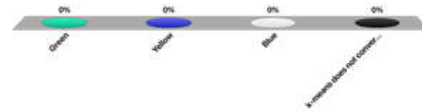


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What will be the color of the middle points after convergence ($k=3$)?



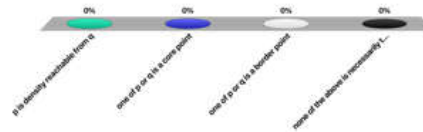
- A. Green
- B. Yellow**
- C. Blue
- D. k-means does not converge



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If p and q are density connected,
then ...

- A. p is density reachable from q
- B. one of p or q is a core point
- C. one of p or q is a border point
- D. none of the above is necessarily true**



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In density-based clustering, which points can belong to multiple clusters?

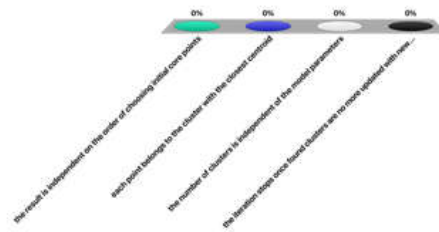
- A. Core points
- B. Border points**
- C. Outliers
- D. None



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When executing DBSCAN ...

- A. the result is independent on the order of choosing initial core points
- B. each point belongs to the cluster with the closest centroid
- C. the number of clusters is independent of the model parameters
- D. the iteration stops once found clusters are no more updated with new points



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