

# Home Assignment -I

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- 1) I observed that Euclidean distance is appropriate when I have the continuous numeric variable and we want to compute the absolute distance. It takes every variable but doesn't remove the redundancies. Whereas the Mahalanobis distance is suitable when the variables are continuous numeric variable and we want to compute the absolute distance but we want to remove the redundancies.
- 2) For second problem I I was able to code the knn algorithm but there is some bug in my accuracy function which is not able to match the classes. I am still working on it to improve the code and get the desired accuracy.

I am submitting the Rscript.

- 3) I have observed the two cluster in the dataset that was provided with the Euclidean distance metric.

