## HW-7

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## Topics of Interest:

- Artificial Neural Network(ANN):- Because MLP can model any mathematical function, which results in the wide applicability of ANN in practice.
- Clustering:- I was fascinated by "How Google Search works?". It uses clustering as one of its components. Hence the topic.
- Support Vector Machine:- SVM, most of the times, gives optimal result whether data is linearly separable or not.

## Topics to be explained in detail:-

- Linear Discriminant
- Gaussian Mixture Models