

## CMP Lab 9

Q. Perform **PCA** and **KNN** on Iris Dataset.

Given  $p$  dimensions in your data ,

- calculate  $p$  eigenvectors and eigenvalues
- choose only the first  $k$  eigenvectors
- final data set has only  $k$  dimensions
- Experiment and choose value of  $K$  and evaluate model's performance.