

**Dimensionality Reduction Assignment**

**Problem Statement:**

You work in XYZ Company as a Python. The company officials want you to write code for reducing the dimensions of a dataset

Tasks to be Performed:

- Using load\_digits function from sklearn import wines data

- Take a look at the shape of image data

- Import PCA, LDA and Factor Analysis from Sklearn

- Project data in 2 D space using the PCA, LDA and Factor Analysis algorithm form sklearn

- Take a look at the new data