

# Dimensionality Reduction Assignment

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## 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 FactorAnalysis from Sklearn
  - Project data in 2 D space using the PCA, LDA and FactorAnalysis algorithm form sklearn
  - Take a look at the new data
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