

# Dimensionality Reduction Project 1

# PCA – Wine Data

Here in this project the task is to implement the classification model on the social network ads data.

1. Understand and practice principal component analysis using scikit learn.
2. Import the wine data to Python.
3. Make a train -test split with 20% of the data set aside for testing. Fit a logistic regression model and observe the accuracy.
4. Transform the dataset and fit a logistic regression and observe the accuracy.
5. Compare it with the previous model and comment on the accuracy.
6. Compute the confusion matrix and count the number of instances that has gone wrong.



**THANK YOU**

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