|  |  |  |  |
| --- | --- | --- | --- |
| **SN.** | **Lab Title** | **Date** | **Signature** |
| Lab 1 | Implement simple linear regression on a dataset and evaluate its performance. |  |  |
| lab 2 | Implement linear regression on a dataset by uploading it and evaluate its performance. |  |  |
| lab 3 | Implement Multiple linear regression on a dataset (e.g., housing prices) and evaluate its performance also plot it. |  |  |
| Lab 4 | Implement linear regression on a dataset (e.g., housing prices) and evaluate its performance. Apply ridge and lasso regression to prevent overfitting and compare results. |  |  |
| Lab 5 | Implement classification using logistic regression on a dataset and evaluate its performance by Visualizing Confusion matrix. |  |  |
| Lab 6 | Implement support vector machine for classification on a dataset and evaluate its performance by Visualizing Confusion matrix. |  |  |
| Lab 7 | Implement K\_fold cross validation for RandomForest Classification on a dataset and evaluate its performance by Visualizing Confusion matrix. |  |  |

**List of Lab Experiments**

|  |  |  |  |
| --- | --- | --- | --- |
| **SN.** | **Lab Title** | **Date** | **Signature** |
| Lab 8 | Implement k-mean clustering using PCA , evaluate its performance also plot it. |  |  |