|  |  |
| --- | --- |
| **Neural Network - .437** | |
|  |  |
| **SVM – With gauss kernel - .913** | |
|  |  |
| **SVM – polynomial of degree2** | |
| C:\Users\saukumar\Documents\traffic_proj\figures\Linear_SVM.png | C:\Users\saukumar\Documents\traffic_proj\figures\confusion_matrixclf_lr.png |
| **Logistic regression - 94** | |
| C:\Users\saukumar\Documents\traffic_proj\figures\clf_lr.png | C:\Users\saukumar\Documents\traffic_proj\figures\confusion_matrixclf_lr.png |

|  |  |
| --- | --- |
| Classifier Name | Accuracy |
| NN – [60,6] | .5592 |
| NN – [600,60,6] | .4407 |
| NN – [1500,100,10] | .4407 |
| SVM – linear –kernel | .9436 |
| SVM – Gaussian kernel | .9215 |
| SVM- poly kernel – degree 5 | .67820 |
| SVM- poly kernel – degree 3 | .79668 |
| SVM- poly kernel – degree 2 | .9385 |
| SVM- poly kernel – degree 1 | .9215 |
| logistic regression | .9429 |