|  |  |
| --- | --- |
| **Learning Rate** | **Average 5K-Fold Accuracy** |
| 0.0001 | 0.8268 |
| 0.0005 | 0.7957 |
| 0.00005 | 0.8168 |

**Learning Rate and their Corresponding Accuracy for Dataset 1 (Ionosphere dataset) using Logistic Regression:**

|  |  |
| --- | --- |
| Optimal Learning Rate | 0.0001 |
| Iterations necessary | 15000 |
| Test Set Accuracy | 0.9056 |