|  |  |  |  |
| --- | --- | --- | --- |
|  | PCA | LDA | Kernel PCA |
| Accuracy\_score | 0.4111 | 0.3805 | 1.0000 |
| Precision\_score | 0.4846 | 0.3480 | 1.0000 |
| Recall\_score | 0.4111 | 0.3805 | 1.0000 |
| F1\_score | 0.3729 | 0.3357 | 1.0000 |
| Running time(s) | 0.1429 | 4.2536 | 3.6151 |

**Mnist Dataset**

Above classifiers also verify the performance of these techniques by feeding the dimension reduced data to a decision tree.

**Iris Dataset**

|  |  |  |  |
| --- | --- | --- | --- |
|  | PCA | LDA | Kernel PCA |
| Accuracy\_score | 0.9333 | 1.0000 | 1.0000 |
| Precision\_score | 0.9500 | 1.0000 | 1.0000 |
| Recall\_score | 0.9333 | 1.0000 | 1.0000 |
| F1\_score | 0.9353 | 1.0000 | 1.0000 |
| Running time(s) | 12.7931 | 3.3103 | 3.8887 |

Above classifiers also verify the performance of these techniques by feeding the dimension reduced data to a decision tree.