|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Training set | | | Test set | | | |
| Accuracy | Sensitivity | Specificity | | Accuracy | Sensitivity | Specificity |
| Fuzzy PCA &  Fuzzy K-NN |  |  |  | | 0.752949 | 0.086982 | 0.980030 |
| PCA &  Fuzzy K-NN |  |  |  | | 0.742922 | 0.000580 | 0.996045 |
| Fuzzy K-NN |  |  |  | | **0.753318** | 0.072775 | 0.985368 |
| K-NN | 1 | 1 | 1 | | 0.745724 | 0.129603 | 0.955808 |
| PCA & K-NN | 1 | 1 | 1 | | 0.733338 | 0.001160 | 0.982996 |
| Fuzzy PCA & K-NN | 1 | 1 | 1 | | 0.745650 | 0.129893 | 0.955610 |
| Simple linear regression | 0.946158 | 0.158696 | 0.994767 | | 0.750885 | 0.118005 | 0.966683 |
| Simple linear regression PCA data | 0.946158 | 0.158696 | 0.994767 | | 0.254792 | 1.000000 | 0.000692 |
| Simple linear regression FPCA data | 0.946158 | 0.158696 | 0.994767 | | 0.750516 | 0.116556 | 0.966683 |
| Random forest |  |  |  | |  |  |  |
| SVM | 0.943187 | 0.060869 | 0.997651 | | 0.737983 | 0.08611192 | 0.960257 |
| Naïve Bayes |  |  |  | |  |  |  |
| Logistic Regression |  |  |  | |  |  |  |

Including all the variables to predict y