|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Training set | | | Test set | | | |
| Accuracy | Sensitivity | Specificity | | Accuracy | Sensitivity | Specificity |
| **BASELINE** |  |  |  | | 0.9419 | 0 | 1 |
| 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 |
| Decision tree classification |  |  |  | | 0.7569301 | 0.0919107 | 0.9836876 |
| Kernel SVM | 0.9456206 | 0.1391304 | 0.9954039 | | 0.7483781 | 0.02464482 | 0.99151557 |
| Logistic Regression | 0.9482748 | 0.3065217 | 0.9878892 | | 0.7677676 | 0.2220934 | 0.9538309 |

Including all the variables to predict y