

Accuracy Chart	Before Resampling	After Resampling	+ PCA Feature Selection
SVM	79.7%	74.2%	58.9%
Random Forest	78.5%	90.8%	88.3%
Naïve Bayes Classifier	79.1%	68.9%	-
KNN	74.2%	83.5%	79.8%
Decision Tree	73.2%	88.1%	82.9%
CNN	75.9%	92%	93%
LSTM	73.3%	33.4%	-
Bidirectional LSTM	76.3%	86.9%	75.9%
GRU	78.9%	85.8%	65.4%
XGBoost	78.7%	82.7%	90.3%
RNN	77%	84.6%	34.2%

Classification :
Good Moderate Poor

Dynamic Classifier Selection

DCS - OLA	0.739 (0.012)	0.868 (0.008)	0.861(0.007)
DCS - LCA	0.760 (0.010)	0.831 (0.008)	0.802(0.012)

Mean accuracy (Std dev accuracy)

Accuracy Chart	Before Resampling	After Resampling	+ PCA Feature Selection
SVM	57%	61.6%	41.9%
Random Forest	55%	84.2%	81.7%
Naïve Bayes Classifier	56.9%	56%	-
KNN	50.6%	68.8%	68.6%
Decision Tree	49.6%	82%	74.4%
CNN	54.2%	83.4%	84.3%
LSTM	49.7%	19.7%	-
Bidirectional LSTM	53.3%	76%	
GRU	58.2%	73.5%	46.8%
XGBoost	56.5%	73.6%	82.7%
RNN	55%	73.2%	20.4%

Classification :
Excellent Good Moderate
Bad Poor

DCS - OLA	0.507 (0.013)	0.795 (0.009)	0.781 (0.010)
DCS - LCA	0.544 (0.013)	0.740 (0.009)	0.727 (0.008)

Classification : Good Moderate Poor

Dynamic Classifier Selection

	Before Resampling	After Resampling	+ PCA Feature Selection
DCS - OLA	0.739 (0.012)	0.868 (0.008)	0.861(0.007)
DCS - LCA	0.760 (0.010)	0.831 (0.008)	0.802(0.012)

Mean accuracy (Std dev accuracy)

Ensemble :	Before Resampling	After Resampling
LSTM + BiLSTM + Random Forest	71.3%	89.3%
CNN + Random Forest + Decision Tree		94.55%

Classification : Excellent Good Moderate Bad Poor

Dynamic Classifier Selection

	Before Resampling	After Resampling	+ PCA Feature Selection
DCS - OLA	0.507 (0.013)	0.795 (0.009)	0.781 (0.010)
DCS - LCA	0.544 (0.013)	0.740 (0.009)	0.727 (0.008)

Mean accuracy (Std dev accuracy)

Ensemble :	Before Resampling	After Resampling
LSTM + BiLSTM + Random Forest	50.5%	63.5%