

Table 9a: Accuracy Ranking with Normalized Features

Classification Models	Ranking Order	Underlying Graph within 400 Normalized Patient data	Scheme	Treshold	Dimension
GCN	1	Netpro2VecTM1	minMax	1.80	196
		Netpro2VecTM1	minMax	2.80	196
		GL2Vec	minSum	1.80	128
SVM Linear (SVMl)	2	Netpro2VecTM1	minSum	2.80	196
		Netpro2VecNDD+TM1	minSum	2.80	196
KNN	3	Netpro2VecMetgraphs	minMax	1.80	196
		Netpro2VecNDD		1.80	196
Decission Tree (DT)	4	Netpro2VecMetgraphs	minSum	1.80	196
Gaussian Naive Bayes (GNB)	5	GL2Vec	meanSum	1.80	196
Random Forest (RF)	6	Netpro2VecMetgraphs	minSum	1.80	196
SVM Non Linear (SVMnl)	7	Netpro2VecTM1	minSum	2.80	196

Table 9b: Precision Ranking with Normalized Features

Classification Models	Ranking Order	Underlying Graph within 400 Normalized Patient Data	Scheme	Treshold	Dimension
GCN	1	Netpro2VecNDD+TM1	meanSum	2.80	196
SVM Linear (SVMl)	2	Netpro2VecNDD+TM1	minSum	2.80	196
KNN	3	Netpro2VecMetgraphs	minMax	1.80	196
		Netpro2VecNDD	minMax	1.80	196
Decision Tree (DT)	4	Netpro2VecMetGraphs	minSum	1.80	196
SVM Non Linear (SVMnl)	5	Netpro2VecTM1	minSum	2.80	128
Gaussian Naive Bayes (GNB)	6	GL2Vec	meanSum	1.80	196
Random Forest (RF)	7	Netpro2VecMetgraph	minSum	1.80	196
		GL2Vec	minMax	1.80	196

Table 9c: Recall Ranking with Normalized Features

Classification Models	Ranking Order	Underlying Graph within 400 Normalized Patient Data	Scheme	Treshold	Dimension
GCN	1	Netpro2VecTM1	minMax	1.80	196
		GL2Vec	minMax	2.80	196
SVM Linear (SVMl)	2	Netpro2VecNDD+TM1	minSum	2.80	196
KNN	3	Netpro2VecMetgraphs	minMax	1.80	196
		Netpro2VecNDD	minMax	1.80	196
Decission Tree (DT)	4	Netpro2VecMetgraphs	minSum	1.80	196
SVM Non Linear (SVMnl)	5	Netpro2VecTM1	meanSum	2.80	128
Gaussian Naive Bayes (GNB)	6	GL2Vec	meanSum	1.80	196
Random Forest (RF)	7	Netpro2Metgraph	minSum	1.80	196

Table 9d: F1 Score Ranking with Normalized Features

Classification Models	Ranking Order	Underlying Graph within 400 Normalized Patient Data	Scheme	Treshold	Dimension
GCN	1	Netpro2vecTM1	minMax	1.80	196
		Netpro2vecTM1	minMax	2.80	196
		GL2Vec	minSum	1.80	128
SVM Linear (SVMl)	2	Netpro2VecTM1	minSum	2.80	196
KNN	3	Netpro2VecMetgraphs	minMax	1.80	196
		Netpro2VecNDD	minMax	1.80	196
Decission Tree (DT)	4	Netpro2VecMetgraphs	minSum	1.80	196
SVM Non Linear (SVMnl)	5	Netpro2VecTM1	minSum	2.80	128
Gaussian Naive Bayes (GNB)	6	GL2Vec	meanSum	1.80	196
Random Forest (RF)	7	Netpro2VecMetgraphs	minSum	1.80	196
		GL2Vec	minMax	1.80	196