

Random Forest (Considering all features)						Random Forest (Considering all features -- Normalized Data)				
max_depth	Accuracy	Precision	Recall	F1 macro		max_depth	Accuracy	Precision	Recall	F1 macro
1	0.89	0.45	0.5	0.47		1	0.89	0.45	0.5	0.47
2	0.85	0.47	0.53	0.49		2	0.85	0.47	0.53	0.49
4	0.68	0.44	0.46	0.39		4	0.68	0.44	0.46	0.39
6	0.57	0.45	0.41	0.34		6	0.57	0.45	0.41	0.34
8	0.49	0.43	0.37	0.3		8	0.49	0.43	0.37	0.3
10	0.49	0.43	0.36	0.3		10	0.49	0.43	0.36	0.3
Random Forest (Considering 20 top features -- using SelectKBest)						Random Forest (Top 10 Features -- Normalized Data)				
max_depth	Accuracy	Precision	Recall	F1 macro		max_depth	Accuracy	Precision	Recall	F1 macro
1	0.86	0.45	0.49	0.46		1	0.89	0.5	0.54	0.52
2	0.7	0.43	0.45	0.4		2	0.74	0.52	0.5	0.41
4	0.67	0.46	0.47	0.38		4	0.72	0.59	0.51	0.42
6	0.64	0.46	0.45	0.37		6	0.58	0.45	0.44	0.34
8	0.49	0.43	0.37	0.3		8	0.58	0.46	0.44	0.34
10	0.47	0.43	0.36	0.3		10	0.55	0.55	0.42	0.33
							Random Forest (Top K Features, max_depth=2, and Normalized Data)			
						K	Accuracy	Precision	Recall	F1 macro
						2	0.89	0.76	0.59	0.59
						4	0.73	0.47	0.5	0.4
						6	0.74	0.47	0.5	0.4
						8	0.83	0.48	0.54	0.48
						10	0.74	0.54	0.51	0.41

SVM (Considering all features)						SVM (Considering all features - Normalized Data)				
kernel	Accuracy	Precision	Recall	F1 macro		kernel	Accuracy	Precision	Recall	F1 macro
linear	0.79	0.68	0.56	0.54		linear	0.79	0.73	0.56	0.54
rbf	0.9	0.81	0.61	0.64		rbf	0.74	0.59	0.48	0.45
sigmoid	0.88	0.68	0.59	0.58		sigmoid	0.77	0.57	0.52	0.5
SVM (Considering all features and using kernel rbf)						SVM (Considering all features , rbf, and Normalized Data)				
C	Accuracy	Precision	Recall	F1 macro		C	Accuracy	Precision	Recall	F1 macro
0.01	0.9	0.76	0.6	0.61		0.01	0.89	0.47	0.52	0.49
0.1	0.9	0.81	0.62	0.64		0.1	0.8	0.74	0.55	0.52
1	0.9	0.81	0.61	0.64		1	0.74	0.59	0.48	0.45
10	0.9	0.8	0.62	0.65		10	0.72	0.56	0.48	0.45
100	0.87	0.78	0.62	0.63		100	0.71	0.55	0.48	0.46
SVM (Considering all features and using kernel sigmoid)						SVM (Considering top 5 features , rbf, and Normalized Data)				
C	Accuracy	Precision	Recall	F1 macro		C	Accuracy	Precision	Recall	F1 macro
0.01	0.9	0.86	0.58	0.59		0.01	0.88	0.73	0.59	0.59
0.1	0.9	0.8	0.58	0.59		0.1	0.87	0.72	0.58	0.57
1	0.88	0.68	0.59	0.58		1	0.85	0.62	0.57	0.54
10	0.84	0.59	0.59	0.59		10	0.85	0.61	0.56	0.53
100	0.84	0.58	0.59	0.59		100	0.85	0.6	0.56	0.52
SVM (Considering 10 top features -- using SelectKBest)						SVM (Considering top 5 features, sigmoid, and Normalized Data)				
kernel	Accuracy	Precision	Recall	F1 macro		C	Accuracy	Precision	Recall	F1 macro
linear	0.89	0.78	0.62	0.63		0.01	0.9	0.79	0.59	0.6
rbf	0.9	0.8	0.62	0.64		0.1	0.9	0.67	0.62	0.6
						1	0.87	0.62	0.63	0.6
						10	0.81	0.67	0.61	0.57
						100	0.8	0.67	0.61	0.58
						SVM (Considering top 5 features, linear, and Normalized Data)				
						C	Accuracy	Precision	Recall	F1 macro
						0.01	0.89	0.79	0.59	0.59
						0.1	0.88	0.78	0.6	0.59
						1	0.88	0.78	0.6	0.59

						10	0.88	0.78	0.6	0.59
						100	0.88	0.78	0.6	0.59
						SVM (Considering top 5 features, sigmoid, c=0.01, and Normalized Data)				
						K	Accuracy	Precision	Recall	F1 macro
						2	0.9	0.79	0.59	0.6
						4	0.9	0.79	0.59	0.6
						6	0.9	0.79	0.59	0.6
						8	0.88	0.69	0.58	0.58
						10	0.89	0.71	0.52	0.5

Naive Bayes (Top K Features)				
max_depth	Accuracy	Precision	Recall	F1 macro
2	0.9	0.78	0.61	0.62
4	0.89	0.78	0.63	0.63
6	0.89	0.78	0.65	0.64
8	0.89	0.8	0.7	0.7
10	0.88	0.78	0.69	0.69