	Model	Cohen's Kappa Train	Balanced Accuracy Train	Accuracy Train	Cohen's Kappa Test	Balanced Accuracy Test	Accuracy Test	
SVM	model_svm_50_2_4	23.09	29.51	29.5	24.8	27.17	31.23	
	model_svm_150_2_4	24.55	30.8	30.83	26.45	30.39	32.81	
	model_svm_50_4_8	25.1	31.29	31.33	26.87	28.98	33.16	
	model_svm_150_4_8	26.82	32.86	32.92	29.69	33.68	35.79	
	model_svm_50_6_12	25.0	31.26	31.25	27.48	29.06	33.68	
	model_svm_150_6_12	25.73	31.88	31.92	27.96	28.98	34.21	
	pca_model_svm_50_2_4	11.45	18.8	18.83	13.0	15.04	20.53	
	pca_model_svm_150_2_4	9.99	17.5	17.5	10.75	14.42	18.42	
	pca_model_svm_50_4_8	10.83	18.26	18.25	10.74	15.6	18.42	
	pca_model_svm_150_4_8	9.19	16.74	16.75	9.74	13.08	17.54	
	pca_model_svm_50_6_12	10.45	17.89	17.92	7.48	10.34	15.44	Worst Model
	pca_model_svm_150_6_12	10.09	17.59	17.58	13.42	17.78	20.88	
	fv_model_svm_50_4_8	19.91	26.57	26.58	18.67	22.37	25.61	
	fv_model_svm_150_4_8	14.28	21.43	21.42	17.98	22.82	24.91	
	model_svm_dense	33.37	38.91	38.92	35.69	39.25	41.05	
	model_svm_dense_key_50_2_4	32.64	38.23	38.25	35.66	38.74	41.05	
	model_svm_dense_key_150_2_4	25.92	32.1	32.08	31.86	36.82	37.54	
	model_svm_dense_key_50_4_8	32.73	38.31	38.33	37.41	39.96	42.63	
	model_svm_dense_key_150_4_8	27.72	33.7	33.75	34.48	38.48	40.0	
	model_svm_dense_key_50_6_12	32.91	38.48	38.5	37.38	40.22	42.63	Best Model
	model_svm_dense_key_150_6_12	26.28	32.41	32.42	31.81	34.55	37.54	
	pca_model_svm_dense_key_50_2_4	27.55	33.6	33.58	32.18	35.64	37.89	
	pca_model_svm_dense_key_150_2_4	19.0	25.74	25.75	18.69	22.74	25.44	
	pca_model_svm_dense_key_50_4_8	26.46	32.6	32.58	28.78	31.89	34.74	
	pca_model_svm_dense_key_150_4_8	20.1	26.72	26.75	19.63	25.73	26.32	
	pca_model_svm_dense_key_50_6_12	24.64	30.93	30.92	24.36	28.35	30.7	
	pca_model_svm_dense_key_150_6_12	20.0	26.65	26.67	23.78	29.45	30.18	
Random Forest	model_rf_50_2_4	22.45	28.89	28.92	24.12	27.89	30.53	
	model_rf_150_2_4	21.64	28.18	28.17	24.73	28.51	31.05	
	model_rf_50_4_8	23.82	30.17	30.17	28.21	31.45	34.21	
	model_rf_150_4_8	23.18	29.54	29.58	25.66	29.55	31.93	
	model_rf_50_6_12	24.18	30.54	30.5	25.11	28.91	31.4	
	model_rf_150_6_12	20.72	27.31	27.33	25.87	28.71	32.11	
	pca_model_rf_50_2_4	13.17	20.4	20.42	12.1	18.2	19.3	
	pca_model_rf_150_2_4	12.46	19.75	19.75	14.37	19.95	21.58	
	pca_model_rf_50_4_8	11.91	19.24	19.25	11.08	17.77	18.42	
	pca_model_rf_150_4_8	11.19	18.6	18.58	9.22	15.24	16.84	
	pca_model_rf_50_6_12	11.73	19.07	19.08	8.53	15.09	16.14	Worst Model
	pca_model_rf_150_6_12	10.18	17.69	17.67	10.12	16.17	17.72	
	fv_model_rf_50_4_8	22.28	28.71	28.75	24.07	27.54	30.53	
	fv_model_rf_150_4_8	18.9	25.63	25.67	22.43	25.59	28.95	
	model_rf_dense	26.81	32.88	32.92	27.21	31.36	33.33	
	model_rf_dense_key_50_2_4	29.72	35.53	35.58	30.5	34.33	36.32	
	model_rf_dense_key_150_2_4	29.63	35.49	35.5	30.85	33.92	36.67	
	model_rf_dense_key_50_4_8	29.81	35.59	35.67	30.47	33.95	36.32	
	model_rf_dense_key_150_4_8	30.36	36.11	36.17	31.66	34.62	37.37	
	model_rf_dense_key_50_6_12	30.91	36.61	36.67	31.64	35.25	37.37	
	model_rf_dense_key_150_6_12	28.37	34.35	34.33	33.91	35.97	39.47	Best Model
	pca_model_rf_dense_key_50_2_4	25.73	31.86	31.92	28.79	33.03	34.74	
	pca_model_rf_dense_key_150_2_4	25.63	31.8	31.83	28.15	32.97	34.21	
	pca_model_rf_dense_key_50_4_8	26.44	32.54	32.58	27.86	32.27	33.86	
	pca_model_rf_dense_key_150_4_8	25.0	31.22	31.25	27.39	31.12	33.51	
	pca_model_rf_dense_key_50_6_12	24.91	31.11	31.17	25.73	30.13	31.93	
	pca_model_rf_dense_key_150_6_12	24.46	30.69	30.75	27.65	32.56	33.68	