TRAIN SIZE	ALGORITHM	F1	ACCURACY	RECALL	PRECISION
5%	SVM rbf+gamma(0.5)	0.31	0.47	0.48	0.75
5%	SVM lin+gamma(0.5)	0.48	0.48	0.49	0.50
5%	SVM sigmoid+gamma(scale)	0.58	0.58	0.58	0.58
5%	**SVM rbf+gamma(auto)**	**0.73**	**0.73**	**0.78**	**0.74**
5%	SVM lin+C=0.02	0.51	0.52	0.53	0.53
5%	SVM lin+C=0.18	0.45	0.47	0.46	0.47
5%	KNN minkowski + neighbors =1	0.46	0.47	0.48	0.48
5%	**KNN minkowski + neighbors =2**	**0.50**	**0.50**	**0.51**	**0.52**
5%	KNN minkowski + neighbors =3	0.46	0.47	0.48	0.48
5%	KNN minkowski + neighbors =4	0.48	0.48	0.49	0.50
5%	KNN minkowski + neighbors =5	0.40	0.42	0.43	0.42
5%	**LogiReg lbfgs**	**0.48**	**0.48**	**0.49**	**0.50**
5%	LogiReg C = 50	0.47	0.47	0.48	0.48
5%	LogiReg lbfgs + C= 50	0.47	0.48	0.48	0.49
5%	NaiveBayes	0.40	0.44	0.44	0.44
35%	SVM rbf+gamma(0.5)	0.55	0.61	0.76	0.61
35%	SVM lin+gamma(0.5)	0.44	0.44	0.44	0.44
35%	SVM sigmoid+gamma(0.5)	0.33	0.50	0.25	0.50
35%	**SVM rbf+gamma(auto)**	**0.65**	**0.68**	**0.76**	**0.68**
35%	SVM lin+C=0.02	0.48	0.50	0.50	0.50
35%	SVM lin+C=0.18	0.46	0.46	0.46	0.47
35%	**KNN minkowski + neighbors =1**	**0.73**	**0.73**	**0.73**	**0.73**
35%	KNN minkowski + neighbors =2	0.62	0.64	0.68	0.64
35%	KNN minkowski + neighbors =3	0.67	0.66	0.67	0.67
35%	KNN minkowski + neighbors =4	0.57	0.59	0.62	0.59
35%	KNN minkowski + neighbors =5	0.62	0.63	0.64	0.63
35%	**LogiReg liblinear+penalty=L1**	**0.47**	**0.48**	**0.48**	**0.48**
35%	LogiReg lbfgs+max_iter=50	0.45	0.44	0.45	0.45
35%	LogiReg lbfgs + C= 50	0.44	0.45	0.45	0.45
35%	NaiveBayes	0.44	0.46	0.45	0.46
55%	SVM rbf+gamma(0.5)	0.66	0.63	0.76	0.66
55%	SVM lin+gamma(0.5)	0.38	0.47	0.45	0.48
55%	SVM sigmoid+gamma(scale)	0.59	0.58	0.58	0.58
55%	**SVM rbf+gamma(auto)**	**0.72**	**0.73**	**0.78**	**0.73**
55%	SVM lin+C=0.02	0.34	0.49	0.50	0.50
55%	SVM lin+C=0.18	0.38	0.48	0.45	0.48
55%	**KNN minkowski + neighbors =1**	**0.78**	**0.78**	**0.79**	**0.79**
55%	KNN minkowski + neighbors =2	0.76	0.76	0.81	0.77
55%	KNN minkowski + neighbors =3	0.70	0.70	0.70	0.70
55%	KNN minkowski + neighbors =4	0.67	0.68	0.71	0.68
55%	KNN minkowski + neighbors =5	0.65	0.65	0.66	0.65
55%	LogiReg liblinear+penalty=L1	0.44	0.48	0.48	0.49
55%	**LogiReg lbfgs+max_iter=50**	**0.47**	**0.49**	**0.50**	**0.50**
55%	LogiReg liblinear+penalty=L2	0.44	0.47	0.47	0.48
55%	NaiveBayes	0.43	0.43	0.43	0.43
75%	SVM rbf+gamma(0.5)	0.86	0.86	0.87	0.86
75%	SVM lin+gamma(0.5)	0.50	0.54	0.50	0.51
75%	**SVM rbf+gamma(auto)**	**0.91**	**0.91**	**0.92**	**0.92**
75%	SVM sigmoid+gamma(scale)	0.51	0.50	0.51	0.51
75%	SVM lin+C=0.02	0.50	0.48	0.50	0.51
75%	SVM lin+C=0.18	0.50	0.50	0.50	0.51
75%	KNN minkowski + neighbors =1	0.86	0.86	0.86	0.86
75%	**KNN minkowski + neighbors =2**	**0.86**	**0.86**	**0.86**	**0.87**
75%	KNN minkowski + neighbors =3	0.85	0.84	0.85	0.85
75%	KNN minkowski + neighbors =4	0.73	0.74	0.78	0.75
75%	KNN minkowski + neighbors =5	0.77	0.78	0.79	0.78
75%	LogiReg liblinear+penalty=L1	0.53	0.52	0.53	0.53
75%	LogiReg liblinear+penalty=L2	0.51	0.51	0.51	0.51
75%	**LogiReg lbfgs + C= 50**	**0.56**	**0.56**	**0.56**	**0.56**
75%	NaiveBayes	0.47	0.39	0.52	0.47
80%	SVM rbf+gamma(0.5)	0.81	0.81	0.84	0.81
80%	SVM lin+gamma(0.5)	0.49	0.50	0.49	0.50
80%	**SVM rbf+gamma(auto)**	**0.89**	**0.89**	**0.90**	**0.90**
80%	SVM sigmoid+gamma(scale)	0.50	0.50	0.50	0.50
80%	SVM rbf+gamma(scale)+C=100	0.73	0.73	0.73	0.73
80%	SVM rbf+gamma(scale)+C=150	0.69	0.69	0.69	0.68
80%	**KNN minkowski + neighbors =1**	**0.85**	**0.85**	**0.86**	**0.85**
80%	KNN minkowski + neighbors =2	0.83	0.83	0.84	0.83
80%	KNN minkowski + neighbors =3	0.81	0.81	0.81	0.81
80%	KNN minkowski + neighbors =4	0.69	0.70	0.74	0.71

COLOR	MEAN
	Best
	Medium
	Worst
	Single Type

80%	KNN minkowski + neighbors =5	0.70	0.70	0.72	0.71
80%	**LogiReg liblinear+penalty=L1**	**0.54**	**0.54**	**0.54**	**0.54**
80%	LogiReg lbfgs+max_iter=50	0.52	0.52	0.52	0.52
80%	LogiReg liblinear+penalty=L2	0.49	0.50	0.49	0.50
80%	NaiveBayes	0.38	0.43	0.44	0.44

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75%	**SVM rbf+gamma(auto)**	**0.91**	**0.91**	**0.92**	**0.92**
75%	**KNN minkowski + neighbors =2**	**0.86**	**0.86**	**0.86**	**0.87**
75%	**LogiReg lbfgs + C= 50**	**0.56**	**0.56**	**0.56**	**0.56**
75%	**NaiveBayes**	**0.47**	**0.39**	**0.52**	**0.47**