



- On average,
- Boosted feature selection shows 1.1% increase of CCR with 43 % reduced features.
- Methodology in dissertation shows 6.5% increase of CCR with 64% reduced features.

Data	Number of Insrtances	Number of features	SVM			SVM+BFS				SVM+BFS+FE (Methodology in Dissertation)			
			Correct Classifi- cation Rate(%)	Number of used features	Feature reduction rate(%)	Correct Classifi- cation Rate(%)	Increase of CCR (%)	Number of used features	Feature reduction rate(%)	Correct Classifi- cation Rate(%)	Increase of CCR (%)	Number of used features	Feature reduction rate(%)
Ionosphere	351	33	94.0	33	0.0	94.6	0.6	13	60.6	100	6.0	4	87.9
German	1,000	20	76.3	17	15.0	77.1	0.8	15	25.0	95.7	19.4	8	60.0
Rookie	1,340	19	68.6	18	5.3	69.5	0.9	18	5.3	83.5	14.9	6	68.4
Diabetes	768	8	73.6	7	12.5	74.6	1.0	8	0.0	80.3	6.7	7	12.5
Sonar	208	60	86.3	43	28.3	86.3	0.0	37	38.3	86.8	0.5	6	90.0
Parkinson	195	22	87.7	20	9.1	92.8	5.1	6	72.7	93.3	5.6	8	63.6
Australian	690	14	84.5	10	28.6	86.1	1.6	6	57.1	93.2	8.7	14	0.0
Breast(diag)	569	30	97.5	28	6.7	97.9	0.4	18	40.0	98.6	1.1	4	86.7
Heart	270	14	100.0	14	0.0	100	0.0	1	92.9	100	0.0	1	92.9
Breast	683	9	96.9	8	11.1	97.4	0.5	6	33.3	98.5	1.6	2	77.8
Average	607.4	22.9	86.5	19.8	11.7	87.6	1.1	12.8	42.5	93.0	6.5	6.0	64.0