

Table 8.a. Measures of Diversity for the **OPTDIGITS** Dataset

	Full Feature Space				Feature Subspace Selected by CFS			
	RandomInit	Bagging	Boosting	BCE	RandomInit	Bagging	Boosting	BCE
Q statistic	0.959	0.940	0.637	0.927	0.959	0.940	0.640	0.909
Correlation coefficient	0.480	0.443	0.208	0.402	0.492	0.455	0.215	0.383
Disagreement measure	0.039	0.050	0.154	0.051	0.041	0.052	0.157	0.061
Double-fault measure	0.019	0.022	0.029	0.019	0.022	0.024	0.031	0.021
Kappa degree-of- agreement statistic	0.955	0.942	0.829	0.943	0.952	0.939	0.824	0.932
Plain disagreement measure	0.045	0.058	0.170	0.057	0.048	0.061	0.175	0.068
Ambiguity	0.004	0.005	0.016	0.005	0.004	0.006	0.016	0.006
Entropy	0.047	0.061	0.176	0.062	0.050	0.064	0.181	0.073

Table 8.b. Measures of Diversity for the LIBRAS Dataset

	Full Feature Space				Feature Subspace Selected by CFS			
	RandomInit	Bagging	Boosting	BCE	RandomInit	Bagging	Boosting	BCE
Q statistic	0.962	0.768	0.250	0.932	0.984	0.734	0.300	0.864
Correlation coefficient	0.741	0.461	0.128	0.665	0.836	0.435	0.160	0.573
Disagreement measure	0.100	0.241	0.433	0.133	0.076	0.260	0.421	0.198
Double-fault measure	0.209	0.213	0.228	0.205	0.331	0.222	0.282	0.259
Kappa degree-of- agreement statistic	0.846	0.663	0.422	0.802	0.882	0.638	0.422	0.716
Plain disagreement measure	0.153	0.335	0.567	0.197	0.118	0.359	0.568	0.282
Ambiguity	0.010	0.021	0.035	0.012	0.007	0.022	0.035	0.018
Entropy	0.124	0.307	0.592	0.162	0.096	0.333	0.589	0.244

Table 8.c. Measures of Diversity for the **IMBALANCED_SEMEION** Dataset

	Full Feature Space				Feature Subspace Selected by CFS			
	RandomInit	Bagging	Boosting	BCE	RandomInit	Bagging	Boosting	BCE
Q statistic	0.908	0.824	0.481	0.856	0.935	0.855	0.621	0.883
Correlation coefficient	0.526	0.446	0.226	0.465	0.582	0.473	0.297	0.493
Disagreement measure	0.110	0.169	0.321	0.143	0.094	0.150	0.261	0.126
Double-fault measure	0.079	0.103	0.127	0.087	0.082	0.096	0.110	0.082
Kappa degree-of- agreement statistic	0.858	0.778	0.592	0.818	0.880	0.807	0.677	0.842
Plain disagreement measure	0.141	0.220	0.401	0.181	0.120	0.193	0.319	0.158
Ambiguity	0.013	0.021	0.037	0.016	0.011	0.017	0.030	0.014
Entropy	0.138	0.211	0.405	0.184	0.118	0.196	0.323	0.162

Table 8.d. Measures of Diversity for the **SEMEION** Dataset

	Full Feature Space				Feature Subspace Selected by CFS			
	RandomInit	Bagging	Boosting	BCE	RandomInit	Bagging	Boosting	BCE
Q statistic	0.899	0.953	0.487	0.973	0.948	0.850	0.662	0.898
Correlation coefficient	0.503	0.612	0.225	0.679	0.624	0.459	0.328	0.514
Disagreement measure	0.111	0.077	0.314	0.059	0.091	0.148	0.252	0.118
Double-fault measure	0.073	0.073	0.120	0.072	0.096	0.089	0.119	0.082
Kappa degree-of- agreement statistic	0.859	0.906	0.605	0.928	0.882	0.813	0.687	0.858
Plain disagreement measure	0.141	0.094	0.389	0.072	0.117	0.186	0.310	0.142
Ambiguity	0.013	0.008	0.036	0.006	0.011	0.017	0.029	0.013
Entropy	0.139	0.100	0.394	0.074	0.113	0.192	0.312	0.149

Table 8.e. Measures of Diversity for the ASISTENTUR Dataset

	Full Feature Space				Feature Subspace Selected by CFS			
	RandomInit	Bagging	Boosting	BCE	RandomInit	Bagging	Boosting	BCE
Q statistic	0.971	0.926	0.592	0.893	0.993	0.882	0.693	0.884
Correlation coefficient	0.618	0.508	0.241	0.451	0.794	0.530	0.303	0.453
Disagreement measure	0.045	0.079	0.211	0.088	0.026	0.154	0.180	0.093
Double-fault measure	0.041	0.049	0.057	0.041	0.055	0.128	0.056	0.044
Kappa degree-of- agreement statistic	0.945	0.906	0.762	0.901	0.968	0.796	0.799	0.896
Plain disagreement measure	0.055	0.094	0.235	0.098	0.032	0.203	0.199	0.104
Ambiguity	0.006	0.010	0.024	0.010	0.003	0.021	0.021	0.010
Entropy	0.056	0.099	0.245	0.093	0.032	0.195	0.207	0.098