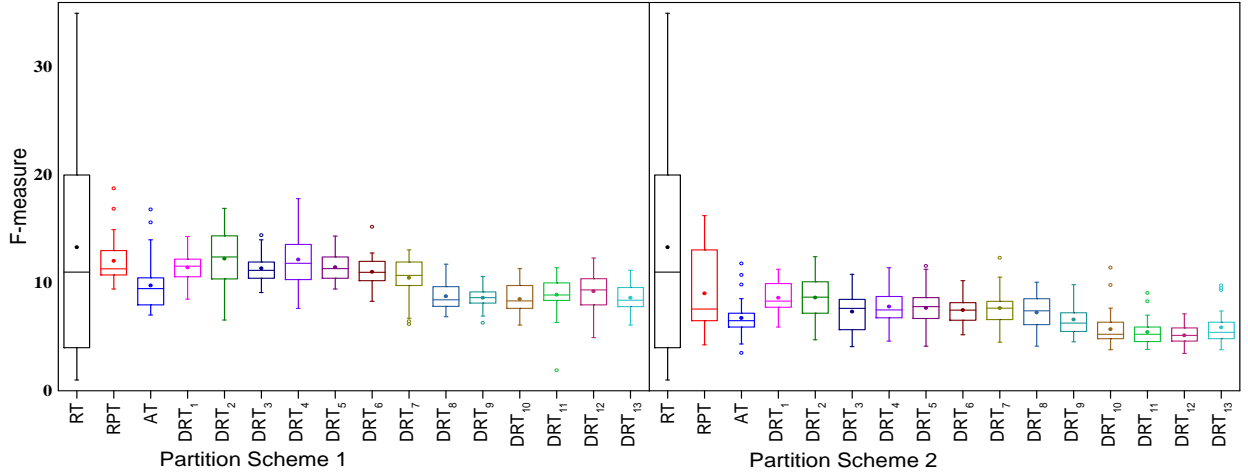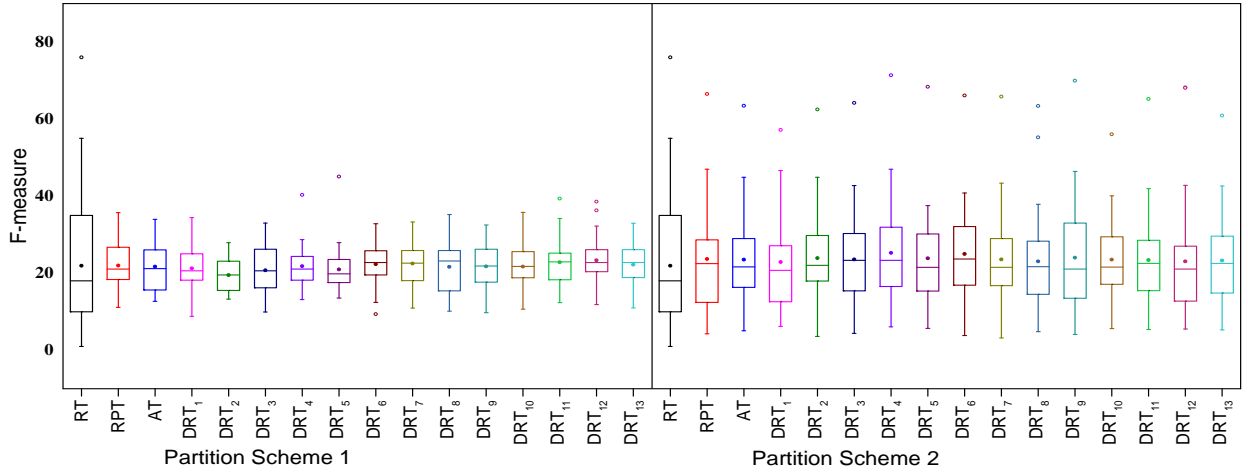## Appendix B: Experimental Results
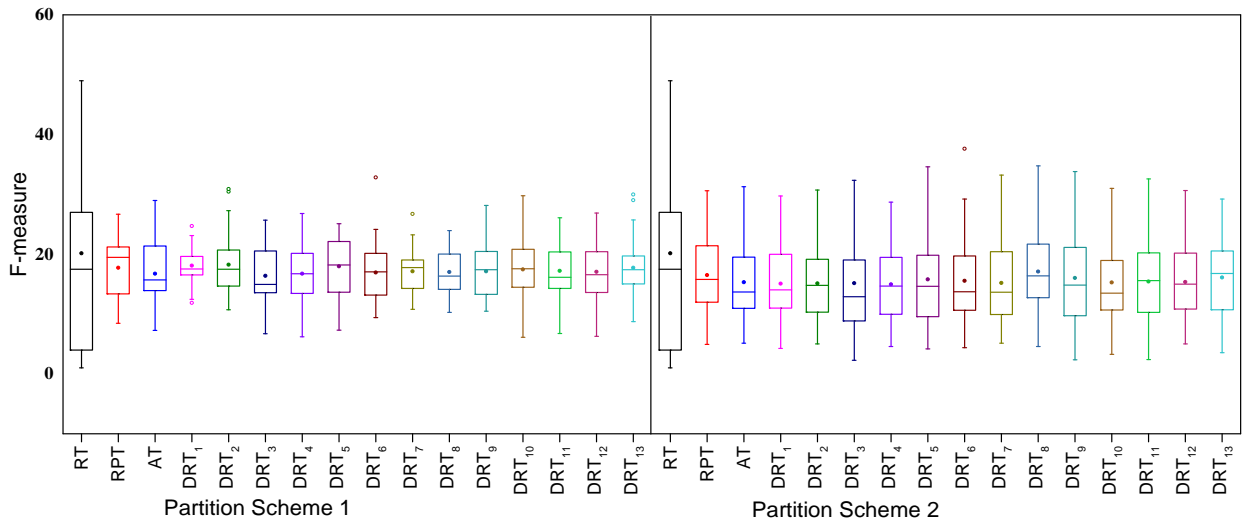
F-, F2-, and T-measure results for each program are displayed using boxplots in Figures 1 to 3, where DRT_i ($i = 1, 2, \ldots, 13$) denotes the DRT with different values of ε, as described in Section 4.4.3.
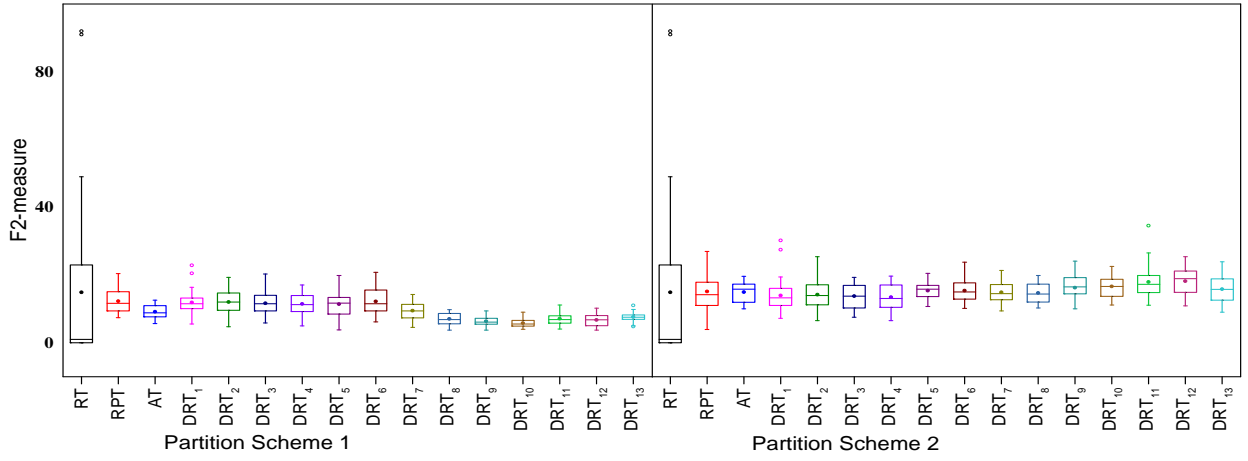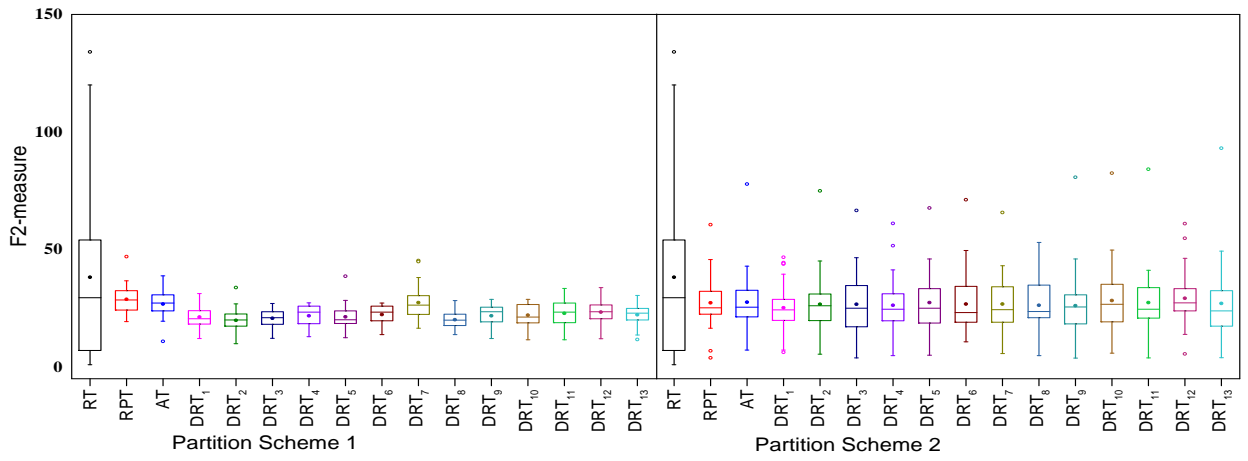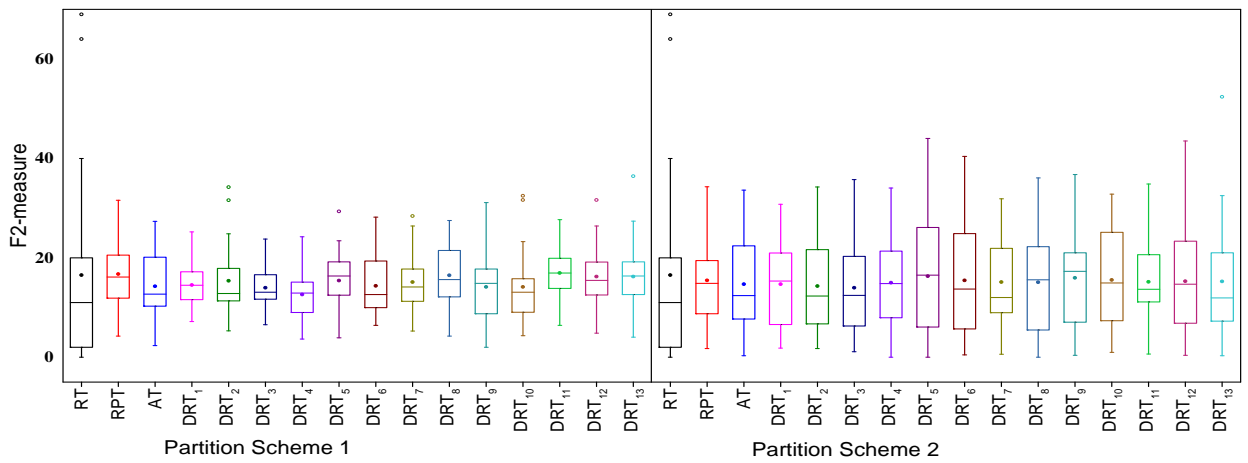

(a) ACMS

(b) CUBS

(c) PBS

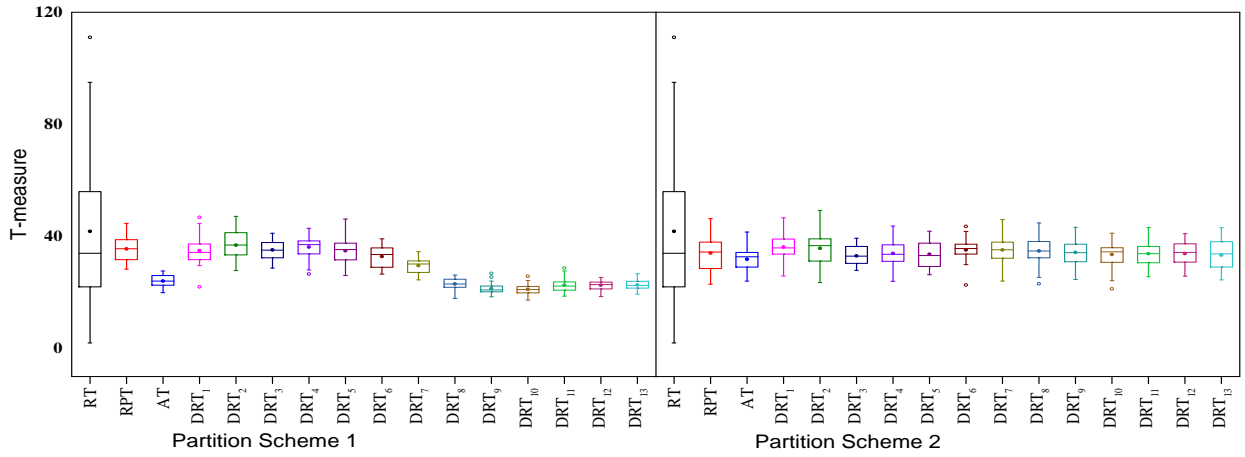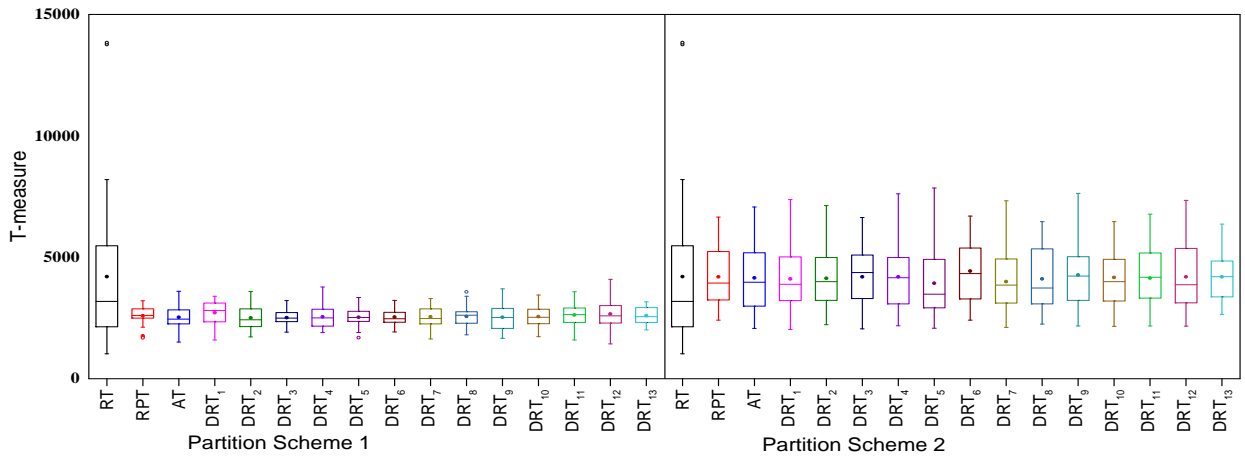Fig. 1. F-measure boxplots for each web service

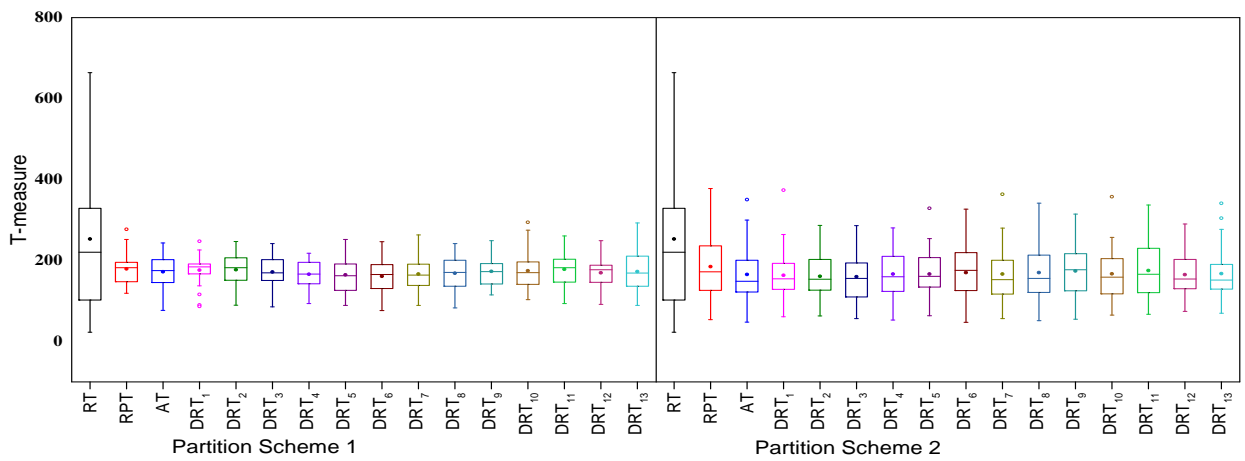(a) ACMS

(b) CUBS

(c) PBS

Fig. 2. F2-measure boxplots for each web service

(a) ACMS

(b) CUBS

(c) PBS

Fig. 3. T-measure boxplots for each web service

Tables 1 to 3 summarize the F-, F2-, and T-time results for three subject web services.

TABLE 1
F-time, F2-time and T-time for Web Service ACMS (in ms)

Strategy		Partition scheme 1			Partition scheme 2		
		F-time	F2-time	T-time	F-time	F2-time	T-time
RT		0.43	0.29	0.85	0.43	0.29	0.85
RPT		0.57	0.31	1.08	0.33	0.45	0.78
AT		0.49	0.34	2.47	15.53	363.47	459.67
DRT	1.0E-5	0.47	0.28	0.96	0.38	0.41	0.95
	5.0E-5	0.35	0.21	0.78	0.30	0.27	0.71
	1.0E-4	0.33	0.19	0.66	0.24	0.28	0.65
	5.0E-4	0.30	0.17	0.60	0.27	0.25	0.67
	1.0E-3	0.29	0.19	0.61	0.22	0.24	0.60
	5.0E-3	0.28	0.23	0.62	0.21	0.31	0.64
	1.0E-2	0.24	0.17	0.53	0.23	0.29	0.66
	5.0E-2	0.28	0.13	0.49	0.23	0.35	0.71
	1.0E-1	0.26	0.08	0.43	0.23	0.29	0.63
	2.0E-1	0.23	0.12	0.43	0.30	0.46	0.89
	3.0E-1	0.24	0.11	0.45	0.18	0.40	0.69
	4.0E-1	0.27	0.10	0.47	0.16	0.31	0.58
	5.0E-1	0.28	0.11	0.47	0.28	0.45	0.86

TABLE 2
F-time, F2-time and T-time for Web Service CUBS (in ms)

Strategy		Partition scheme 1			Partition scheme 2		
		F-time	F2-time	T-time	F-time	F2-time	T-time
RT		0.82	1.14	34.69	0.82	1.14	34.69
RPT		0.91	0.87	30.54	0.75	0.79	34.59
AT		140.13	172.27	32429.07	16.82	15.76	2666.17
DRT	1.0E-5	0.91	0.87	30.14	0.87	0.83	36.49
	5.0E-5	0.95	0.86	30.21	0.82	0.75	34.70
	1.0E-4	0.77	0.89	29.27	0.86	0.69	35.34
	5.0E-4	0.79	1.00	31.05	0.87	0.90	36.85
	1.0E-3	0.86	0.88	29.93	0.92	0.77	36.44
	5.0E-3	0.86	0.83	30.28	0.83	0.83	36.27
	1.0E-2	0.95	0.88	29.33	0.84	0.72	35.23
	5.0E-2	0.84	0.82	30.56	0.88	0.72	37.07
	1.0E-1	0.88	0.93	29.45	0.82	0.76	37.14
	2.0E-1	0.83	0.83	30.16	0.86	0.73	36.79
	3.0E-1	0.95	0.86	27.81	0.84	0.84	36.89
	4.0E-1	0.84	0.84	28.23	0.86	0.82	35.22
	5.0E-1	0.87	0.84	27.91	0.90	0.86	38.21

TABLE 3
F-time, F2-time and T-time for Web Service PBS (in ms)

Strategy		Partition scheme 1			Partition scheme 2		
		F-time	F2-time	T-time	F-time	F2-time	T-time
RT		0.81	0.42	4.12	0.81	0.42	4.12
RPT		0.85	0.52	3.83	0.66	0.35	2.98
AT		22.25	25.40	289.04	12.99	17.44	200.54
DRT	1.0E-5	0.76	0.48	3.85	1.05	0.51	3.44
	5.0E-5	0.73	0.35	3.02	0.91	0.52	3.79
	1.0E-4	0.54	0.36	2.97	0.49	0.34	2.26
	5.0E-4	0.68	0.34	3.20	0.50	0.30	2.31
	1.0E-3	0.62	0.38	2.87	0.52	0.38	2.42
	5.0E-3	0.60	0.38	2.99	0.43	0.51	2.40
	1.0E-2	0.58	0.42	2.84	0.51	0.34	2.41
	5.0E-2	0.64	0.44	3.27	0.59	0.36	2.49
	1.0E-1	0.65	0.38	3.46	0.60	0.38	2.56
	2.0E-1	0.60	0.36	3.22	0.54	0.59	2.47
	3.0E-1	0.59	0.44	3.24	0.57	0.46	2.57
	4.0E-1	0.61	0.33	2.90	0.51	0.33	2.54
	5.0E-1	0.62	0.44	3.16	0.56	0.36	2.56