Optimal, Noisy

#	%	Γ^{LP}				Γ^{μ}				Γ^{ϵ}				RG				POM				POM-10%				POM-20%				POM-30%			
		Time	AGR	ACC	$|\Gamma^{\mathbf{h}}|$	Time	AGR	ACC	$|\Gamma^{\mathbf{h}}|$	Time	AGR	ACC	$|\Gamma^{\mathbf{h}}|$	Time	AGR	ACC	$|\Gamma^{\mathbf{h}}|$	Time	AGR	ACC	$|\Gamma^{\mathbf{h}}|$	Time	AGR	ACC	$|\Gamma^{\mathbf{h}}|$	Time	AGR	ACC	$|\Gamma^{\mathbf{h}}|$	Time	AGR	ACC	$|\Gamma^{\mathbf{h}}|$
BLOCKS	10	4.125	0.43	0.86	8.08	4.02	0.43	0.86	8.11	4.125	0.43	0.86	8.08	0.025	**0.46**	0.92	10.39	0.001	0.05	0.14	1.42	0.001	0.11	0.44	4.03	0.001	0.34	0.83	12.67	0.001	0.38	1.0	18.08
	30	4.118	**0.42**	0.75	3.64	4.091	0.41	0.89	7.67	4.344	0.41	0.78	3.72	0.027	0.4	0.89	7.0	0.001	0.17	0.28	1.31	0.001	0.22	0.58	3.53	0.001	0.24	0.89	8.83	0.001	0.22	0.94	15.36
	50	4.191	**0.48**	0.72	3.14	4.15	0.35	0.92	8.69	4.679	**0.48**	0.75	3.19	0.028	0.46	0.86	4.47	0.001	0.24	0.39	1.14	0.001	0.27	0.69	3.78	0.001	0.28	0.94	9.19	0.001	0.2	1.0	14.25
	70	4.177	**0.75**	0.92	2.19	4.33	0.51	0.94	5.36	4.689	0.69	0.94	2.44	0.031	0.7	0.94	3.25	0.001	0.45	0.64	1.14	0.001	0.37	0.92	2.97	0.001	0.28	0.97	7.14	0.0	0.2	1.0	12.0
	100	3.978	0.69	0.83	1.75	4.458	0.65	1.0	4.25	4.726	0.74	0.83	1.67	0.108	**0.75**	0.83	2.58	0.0	0.54	0.92	1.5	0.0	0.5	1.0	2.17	0.0	0.4	1.0	4.67	0.0	0.21	1.0	9.42
DEPOTS	10	-	-	-	-	-	-	-	-	-	-	-	-	0.008	**0.56**	0.56	3.47	0.001	0.21	0.14	1.94	0.001	0.32	0.36	3.5	0.001	0.52	0.89	6.47	0.001	0.51	0.94	7.22
	30	-	-	-	-	-	-	-	-	-	-	-	-	0.008	**0.33**	0.58	2.5	0.001	0.21	0.28	1.75	0.001	0.29	0.5	2.75	0.001	0.32	0.81	4.83	0.001	0.27	0.97	6.53
	50	-	-	-	-	-	-	-	-	-	-	-	-	0.006	0.27	0.39	1.11	0.001	**0.44**	0.44	1.36	0.001	0.4	0.56	2.14	0.001	0.3	0.78	3.61	0.001	0.21	0.92	5.5
	70	-	-	-	-	-	-	-	-	-	-	-	-	0.005	0.12	0.17	0.39	0.001	**0.49**	0.56	1.22	0.001	0.46	0.81	2.28	0.001	0.3	0.86	3.33	0.001	0.2	0.92	5.08
	100	-	-	-	-	-	-	-	-	-	-	-	-	0.018	0.17	0.17	0.25	0.0	**0.83**	0.92	1.17	0.0	0.58	0.92	1.92	0.0	0.33	0.92	2.92	0.0	0.29	1.0	4.0
DRIVERLOG	10	-	-	-	-	-	-	-	-	-	-	-	-	0.008	**0.48**	0.89	4.47	0.001	0.29	0.33	1.14	0.001	0.31	0.47	1.92	0.001	0.37	0.83	4.11	0.001	0.34	0.94	5.33
	30	-	-	-	-	-	-	-	-	-	-	-	-	0.007	0.31	0.72	3.44	0.001	**0.45**	0.61	1.33	0.001	0.39	0.72	2.06	0.001	0.33	0.89	4.06	0.001	0.29	0.92	4.92
	50	-	-	-	-	-	-	-	-	-	-	-	-	0.007	0.25	0.66	2.6	0.001	**0.49**	0.57	1.29	0.001	0.46	0.74	2.11	0.001	0.27	0.94	4.23	0.001	0.19	0.94	5.51
	70	-	-	-	-	-	-	-	-	-	-	-	-	0.008	0.23	0.53	2.06	0.001	**0.55**	0.75	1.56	0.001	0.45	0.78	2.14	0.001	0.38	0.94	3.44	0.001	0.27	0.97	4.5
	100	-	-	-	-	-	-	-	-	-	-	-	-	0.022	0.26	0.5	1.33	0.0	**0.65**	0.92	1.67	0.0	0.6	1.0	2.08	0.0	0.32	1.0	3.75	0.0	0.23	1.0	4.83
DWR	10	-	-	-	-	-	-	-	-	-	-	-	-	0.011	0.51	0.58	2.83	0.002	0.38	0.44	1.39	0.002	**0.63**	0.89	4.31	0.002	0.54	1.0	6.31	0.002	0.51	1.0	6.64
	30	-	-	-	-	-	-	-	-	-	-	-	-	0.013	0.43	0.67	2.53	0.001	0.48	0.67	1.22	0.001	**0.56**	0.94	3.22	0.001	0.33	1.0	5.69	0.001	0.29	1.0	6.5
	50	-	-	-	-	-	-	-	-	-	-	-	-	0.016	0.43	0.53	1.06	0.001	0.57	0.67	1.19	0.001	**0.65**	0.94	2.39	0.001	0.36	1.0	4.5	0.001	0.23	1.0	6.14
	70	-	-	-	-	-	-	-	-	-	-	-	-	0.014	0.25	0.31	0.67	0.001	**0.71**	0.69	1.03	0.001	0.62	0.94	2.06	0.001	0.32	1.0	4.22	0.001	0.21	1.0	6.03
	100	-	-	-	-	-	-	-	-	-	-	-	-	0.041	0.17	0.17	0.17	0.007	**0.79**	0.92	1.17	0.014	0.66	0.92	1.75	0.014	0.42	1.0	3.33	0.007	0.23	1.0	5.33
IPC-GRID	10	1.636	**0.82**	0.92	2.75	1.669	0.8	0.92	2.94	1.939	**0.82**	0.92	2.75	0.009	0.64	0.73	2.35	0.001	0.39	0.63	2.33	0.001	0.44	0.85	4.04	0.001	0.45	0.94	5.54	0.001	0.42	0.94	6.29
	30	1.636	**0.84**	0.92	1.25	1.691	0.83	0.94	1.35	1.927	0.8	0.9	1.25	0.007	0.52	0.54	0.73	0.001	0.61	0.73	1.5	0.001	0.59	0.79	2.15	0.001	0.57	0.92	3.17	0.001	0.49	0.92	3.81
	50	1.645	**0.88**	0.98	1.4	1.685	**0.88**	0.98	1.44	1.938	0.87	0.98	1.42	0.005	0.31	0.33	0.44	0.001	0.69	0.81	1.4	0.001	0.68	0.85	1.65	0.001	0.67	0.9	2.0	0.001	0.6	0.9	2.44
	70	1.649	**0.94**	0.98	1.17	1.694	0.92	0.98	1.21	1.951	**0.94**	0.96	1.08	0.007	0.29	0.29	0.31	0.001	0.88	0.94	1.19	0.001	0.88	0.96	1.27	0.001	0.88	0.98	1.44	0.001	0.84	0.98	1.58
	100	1.656	**0.97**	1.0	1.06	1.714	**0.97**	1.0	1.06	1.936	0.94	1.0	1.13	0.013	0.31	0.31	0.31	0.008	**0.97**	1.0	1.06	0.008	**0.97**	1.0	1.06	0.008	0.94	1.0	1.13	0.008	0.93	1.0	1.19
FERRY	10	-	-	-	-	-	-	-	-	-	-	-	-	0.005	**0.74**	0.86	4.03	0.0	0.35	0.36	2.17	0.0	0.52	0.81	3.92	0.0	0.57	0.97	5.75	0.0	0.55	1.0	6.31
	30	-	-	-	-	-	-	-	-	-	-	-	-	0.006	**0.65**	0.86	2.19	0.0	0.47	0.5	1.31	0.0	0.56	0.92	2.97	0.0	0.38	1.0	4.78	0.0	0.26	1.0	6.11
	50	-	-	-	-	-	-	-	-	-	-	-	-	0.007	**0.69**	0.78	1.33	0.0	0.5	0.53	1.19	0.0	0.52	0.86	2.39	0.0	0.28	1.0	4.58	0.0	0.19	1.0	5.92
	70	-	-	-	-	-	-	-	-	-	-	-	-	0.009	**0.73**	0.92	1.56	0.0	0.6	0.72	1.11	0.0	0.67	0.97	1.83	0.0	0.37	1.0	3.5	0.0	0.22	1.0	5.22
	100	-	-	-	-	-	-	-	-	-	-	-	-	0.04	0.69	0.83	1.5	0.0	**0.92**	1.0	1.17	0.0	0.79	1.0	1.42	0.0	0.44	1.0	3.08	0.0	0.25	1.0	4.5
LOGISTICS	10	1.899	**0.75**	0.94	4.06	1.902	0.71	0.94	4.47	2.14	**0.75**	0.94	4.06	0.01	0.61	0.75	3.14	0.002	0.37	0.44	1.81	0.002	0.5	0.89	5.75	0.002	0.34	0.97	8.89	0.001	0.31	1.0	9.56
	30	1.903	**0.8**	0.97	1.78	1.897	0.67	1.0	2.67	2.126	0.75	0.97	1.89	0.009	0.29	0.47	1.14	0.001	0.57	0.75	1.56	0.001	0.44	0.94	3.28	0.001	0.28	0.97	6.0	0.001	0.18	1.0	7.89
	50	1.904	**0.88**	0.97	1.31	1.9	0.79	0.97	1.61	2.137	0.85	0.97	1.36	0.006	0.11	0.11	0.14	0.001	0.7	0.75	1.17	0.001	0.63	0.94	2.22	0.001	0.46	0.97	3.64	0.001	0.28	1.0	6.25
	70	1.904	**0.96**	1.0	1.39	1.901	0.89	1.0	1.39	2.147	0.94	1.0	1.17	0.008	0.17	0.17	0.17	0.001	0.88	0.94	1.08	0.001	0.63	1.0	2.25	0.001	0.44	1.0	3.56				
	100	1.911	**1.0**	1.0	1.0	1.903	0.96	1.0	1.08	2.143	**1.0**	1.0	1.0	0.024	0.17	0.17	0.17	0.007	**1.0**	1.0	1.0	0.007	**1.0**	1.0	1.0	0.007	0.78	1.0	1.67	0.007	0.6	1.0	2.5
MICONIC	10	1.196	**0.77**	0.92	2.81	1.198	**0.77**	0.92	2.81	1.368	**0.77**	0.92	2.81	0.008	0.71	1.0	3.75	0.001	0.36	0.53	1.78	0.001	0.55	0.94	4.44	0.001	0.44	1.0	5.83	0.001	0.42	1.0	6.0
	30	1.195	**0.74**	0.89	1.58	1.198	0.67	1.0	2.58	1.351	0.66	0.94	2.03	0.009	0.54	0.97	2.53	0.001	0.63	0.75	1.28	0.001	0.4	0.94	3.39	0.001	0.28	1.0	4.92	0.001	0.21	1.0	5.92
	50	1.196	**0.88**	0.94	1.19	1.198	0.59	1.0	2.39	1.366	**0.88**	0.94	1.92	0.01	0.66	0.97	1.81	0.001	0.79	0.89	1.22	0.001	0.57	1.0	2.22	0.001	0.31	1.0	4.0	0.001	0.23	1.0	5.08
	70	1.195	**0.88**	0.94	1.14	1.197	0.61	0.97	2.11	1.357	**0.88**	0.97	1.19	0.011	0.79	0.97	1.42	0.001	**0.88**	0.94	1.14	0.001	0.72	1.0	1.67	0.001	0.38	1.0	3.14	0.001	0.25	1.0	4.5
	100	1.199	0.88	1.0	1.25	1.199	0.75	1.0	2.08	1.363	0.92	1.0	1.17	0.04	**1.0**	1.0	1.0	0.0	**1.0**	1.0	1.0	0.0	0.92	1.0	1.17	0.0	0.46	1.0	2.92	0.0	0.24	1.0	4.5
ROVERS	10	1.276	**0.63**	0.83	2.97	1.275	**0.63**	0.83	2.97	1.481	**0.63**	0.83	2.97	0.008	0.54	0.75	3.28	0.001	0.33	0.33	1.22	0.001	0.48	0.72	3.22	0.001	0.49	0.92	4.5	0.001	0.43	1.0	5.42
	30	1.275	**0.71**	0.81	1.69	1.276	0.7	0.83	1.81	1.474	**0.71**	0.81	1.69	0.007	0.54	0.69	1.61	0.001	0.63	0.72	1.28	0.001	0.55	0.89	2.39	0.001	0.43	0.97	3.67	0.001	0.3	0.97	4.53
	50	1.276	**0.73**	0.78	1.28	1.275	0.72	0.86	1.67	1.473	0.71	0.81	1.39	0.007	0.44	0.53	0.92	0.001	**0.73**	0.81	1.19	0.001	0.59	0.97	2.28	0.001	0.46	1.0	3.14	0.001	0.33	1.0	4.03
	70	1.277	0.8	0.86	1.14	1.276	0.77	0.97	1.5	1.474	0.77	0.86	1.19	0.009	0.53	0.64	0.97	0.0	**0.83**	0.89	1.17	0.0	0.61	0.92	2.03	0.0	0.39	0.97	3.03	0.0	0.31	1.0	3.97
	100	1.277	**0.96**	1.0	1.08	1.28	0.9	1.0	1.25	1.484	**0.96**	1.0	1.08	0.025	0.58	0.58	0.58	0.0	0.92	0.92	1.0	0.0	0.72	1.0	1.75	0.0	0.51	1.0	2.58	0.0	0.33	1.0	3.42
SATELLITE	10	1.09	**0.81**	0.94	3.89	1.09	**0.81**	0.94	3.89	1.239	**0.81**	0.94	3.89	0.006	0.73	0.86	3.64	0.001	0.47	0.58	2.25	0.001	0.67	0.92	4.75	0.001	0.63	1.0	5.53	0.001	0.59	1.0	5.97
	30	1.092	**0.78**	0.83	2.44	1.091	0.76	0.83	2.72	1.212	**0.78**	0.83	2.44	0.006	0.66	0.89	3.22	0.0	0.55	0.75	2.17	0.0	0.53	0.89	3.83	0.0	0.51	1.0	4.78	0.0	0.43	1.0	5.5
	50	1.094	**0.71**	0.83	2.0	1.091	0.63	0.92	3.03	1.235	0.7	0.89	2.11	0.007	0.58	0.75	2.19	0.0	0.6	0.78	1.5	0.0	0.49	0.92	3.14	0.0	0.39	0.97	4.42	0.0	0.3	0.97	5.22
	70	1.094	**0.76**	0.92	1.64	1.092	0.59	0.92	2.61	1.214	0.75	1.0	2.0	0.007	0.63	0.86	1.97	0.0	0.58	0.83	1.28	0.0	0.54	1.0	2.67	0.0	0.41	1.0	3.75	0.0	0.35	1.0	4.47
	100	1.095	0.79	0.92	1.42	1.087	0.69	0.92	1.83	1.213	**0.83**	0.92	1.58	0.023	0.75	0.92	1.75	0.0	**0.71**	0.83	1.25	0.0	0.64	0.83	1.92	0.0	0.49	1.0	3.08	0.0	0.38	1.0	4.08
SOKOBAN	10	3.24	**0.35**	0.53	2.78	3.242	0.33	0.69	4.03	3.863	**0.35**	0.53	2.78	0.059	0.22	0.44	3.28	0.005	0.29	0.58	2.42	0.005	0.3	0.86	4.58	0.005	0.27	0.89	5.36	0.005	0.25	0.97	7.08
	30	3.189	**0.61**	0.75	1.53	3.188	0.47	0.92	3.25	3.775	**0.61**	0.75	1.47	0.049	0.34	0.5	1.58	0.005	0.45	0.56	1.19	0.005	0.41	0.72	2.08	0.005	0.33	0.86	3.44	0.005	0.21	0.97	5.47
	50	3.184	0.61	0.89	2.72	3.181	0.42	0.94	4.97	3.783	**0.79**	0.92	1.19	0.064	0.23	0.33	1.19	0.005	0.59	0.69	1.47	0.005	0.51	0.78	2.22	0.005	0.44	0.89	3.42	0.005	0.27	0.97	5.19
	70	3.167	0.65	0.94	3.44	3.165	0.5	1.0	4.56	3.782	**0.88**	0.94	1.42	0.075	0.14	0.17	0.42	0.005	0.67	0.78	1.28	0.005	0.66	0.81	1.47	0.005	0.41	0.89	2.92	0.005	0.28	0.94	4.36
	100	3.174	0.77	0.92	2.5	3.176	0.64	1.0	3.75	3.788	**0.88**	0.92	1.08	0.36	0.17	0.17	0.33	0.042	0.71	0.75	1.17	0.042	0.71	0.75	1.25	0.042	0.44	0.92	2.67	0.042	0.32	1.0	3.42
ZENO	10	-	-	-	-	-	-	-	-	-	-	-	-	0.011	**0.62**	0.92	3.69	0.001	0.3	0.36	1.39	0.001	0.39	0.61	2.14	0.001	0.42	0.89	4.58	0.001	0.39	0.97	5.72
	30	-	-	-	-	-	-	-	-	-	-	-	-	0.012	**0.6**	0.94	2.53	0.001	0.56	0.56	1.22	0.001	0.51	0.78	2.08	0.001	0.34	0.94	4.14	0.001	0.26	1.0	5.33
	50	-	-	-	-	-	-	-	-	-	-	-	-	0.012	0.62	0.89	1.86	0.001	**0.63**	0.75	1.31	0.001	0.5	0.89	2.39	0.001	0.32	1.0	3.83	0.001	0.23	1.0	4.89
	70	-	-	-	-	-	-	-	-	-	-	-	-	0.014	**0.8**	0.92	1.47	0.001	0.72	0.83	1.28	0.001	0.61	0.97	2.19	0.001	0.39	0.97	3.31	0.001	0.26	1.0	4.56
	100	-	-	-	-	-	-	-	-	-	-	-	-	0.049	**0.76**	0.92	1.42	0.007	0.75	0.83	1.17	0.007	0.67	0.92	1.75	0.007	0.53	1.0	2.67	0.007	0.33	1.0	3.83
AVG		1.202	0.44	0.52	1.27	1.213	0.4	0.55	1.82	1.371	0.44	0.53	1.22	0.024	0.48	0.64	2.07	0.002	**0.58**	0.68	1.38	0.002	0.55	0.85	2.54	0.002	0.42	0.95	4.34	0.002	0.33	0.98	5.81

Table 1: Time, agreement ratio (AGR), accuracy (ACC) and spread on optimal dataset.

Sub-Optimal, Noisy, Noisy

#	%	Γ^{LP}				Γ^μ				Γ^ϵ				RG				POM				POM-10%				POM-20%				POM-30%			
		Time	AGR	ACC	$|\Gamma^h|$	Time	AGR	ACC	$|\Gamma^h|$	Time	AGR	ACC	$|\Gamma^h|$	Time	AGR	ACC	$|\Gamma^h|$	Time	AGR	ACC	$|\Gamma^h|$	Time	AGR	ACC	$|\Gamma^h|$	Time	AGR	ACC	$|\Gamma^h|$	Time	AGR	ACC	$|\Gamma^h|$
BLOCKS	10	4.853	0.4	0.78	8.11	4.847	0.4	0.81	8.83	4.333	0.4	0.78	8.11	0.026	**0.44**	0.94	11.81	0.001	0.06	0.17	1.25	0.001	0.16	0.47	4.33	0.001	0.34	0.86	11.36	0.001	0.35	0.92	17.36
	30	4.854	0.38	0.64	3.17	4.856	0.34	0.92	9.31	4.664	0.38	0.64	3.17	0.027	**0.43**	0.89	6.58	0.001	0.2	0.44	1.36	0.001	0.29	0.81	3.83	0.001	0.26	0.97	9.36	0.001	0.22	1.0	16.08
	50	4.857	0.49	0.81	3.22	4.864	0.3	1.0	9.33	4.678	0.48	0.81	3.31	0.031	**0.54**	0.92	3.53	0.001	0.36	0.61	1.17	0.001	0.32	0.86	3.11	0.001	0.26	1.0	7.31	0.001	0.2	1.0	13.64
	70	4.853	0.51	0.69	2.11	4.858	0.35	1.0	9.11	4.672	0.51	0.69	2.11	0.036	**0.57**	0.94	4.03	0.001	0.4	0.72	1.17	0.001	0.34	0.92	2.78	0.001	0.31	1.0	6.58	0.001	0.2	1.0	11.83
	100	4.87	**0.66**	0.92	2.08	4.814	0.58	1.0	3.67	4.713	0.65	0.92	2.17	0.141	0.65	1.0	2.33	0.0	0.38	0.75	1.58	0.0	0.44	1.0	2.33	0.0	0.37	1.0	4.83	0.0	0.24	1.0	9.58
DEPOTS	10	-	-	-	-	-	-	-	-	-	-	-	-	0.007	0.22	0.5	2.75	0.001	0.23	0.33	2.0	0.001	0.28	0.58	3.42	0.001	**0.32**	0.86	5.97	0.001	0.3	0.97	6.97
	30	-	-	-	-	-	-	-	-	-	-	-	-	0.007	0.21	0.36	1.56	0.001	0.23	0.36	1.81	0.001	**0.28**	0.56	2.89	0.001	0.22	0.75	4.53	0.001	0.21	0.89	6.31
	50	-	-	-	-	-	-	-	-	-	-	-	-	0.007	0.18	0.25	0.61	0.001	0.35	0.44	1.75	0.001	0.4	0.72	2.83	0.001	0.27	0.89	4.33	0.001	0.19	0.97	6.42
	70	-	-	-	-	-	-	-	-	-	-	-	-	0.006	0.18	0.22	0.36	0.001	**0.6**	0.64	1.19	0.001	0.54	0.75	1.92	0.001	0.3	0.89	3.33	0.001	0.24	0.97	5.17
	100	-	-	-	-	-	-	-	-	-	-	-	-	0.016	0.08	0.08	0.08	0.0	**0.54**	0.58	1.25	0.0	0.46	0.83	2.5	0.0	0.38	0.92	3.42	0.0	0.28	1.0	4.58
DRIVERLOG	10	-	-	-	-	-	-	-	-	-	-	-	-	0.007	0.28	0.72	4.22	0.001	0.27	0.39	1.03	0.001	0.22	0.47	1.78	0.001	**0.31**	0.81	4.0	0.001	0.28	0.92	5.22
	30	-	-	-	-	-	-	-	-	-	-	-	-	0.007	0.28	0.69	3.25	0.001	**0.4**	0.56	1.33	0.001	0.36	0.69	1.97	0.001	0.3	0.83	3.75	0.001	0.27	0.92	4.75
	50	-	-	-	-	-	-	-	-	-	-	-	-	0.007	0.29	0.56	1.92	0.001	**0.47**	0.69	1.47	0.001	0.43	0.78	1.94	0.001	0.33	0.94	3.56	0.001	0.26	0.94	4.67
	70	-	-	-	-	-	-	-	-	-	-	-	-	0.006	0.18	0.31	0.69	0.001	**0.52**	0.75	1.64	0.001	0.46	0.83	2.42	0.001	0.37	0.97	3.69	0.001	0.3	1.0	4.69
	100	-	-	-	-	-	-	-	-	-	-	-	-	0.027	0.32	0.5	1.0	0.001	**0.72**	1.0	1.58	0.0	0.64	1.0	1.92	0.0	0.46	1.0	2.92	0.0	0.27	1.0	4.17
DWR	10	-	-	-	-	-	-	-	-	-	-	-	-	0.01	0.36	0.58	3.06	0.002	0.35	0.28	1.33	0.002	**0.53**	0.81	4.39	0.002	0.45	1.0	6.31	0.002	0.43	1.0	6.61
	30	-	-	-	-	-	-	-	-	-	-	-	-	0.014	0.43	0.61	1.89	0.001	**0.54**	0.67	1.22	0.001	0.49	0.89	3.19	0.001	0.35	1.0	5.14	0.001	0.29	1.0	6.25
	50	-	-	-	-	-	-	-	-	-	-	-	-	0.015	0.2	0.25	0.69	0.001	**0.65**	0.78	1.14	0.001	0.61	0.97	2.69	0.001	0.38	1.0	4.64	0.001	0.28	1.0	5.97
	70	-	-	-	-	-	-	-	-	-	-	-	-	0.017	0.09	0.11	0.31	0.001	**0.7**	0.78	1.03	0.001	0.57	0.94	2.33	0.001	0.34	1.0	4.03	0.001	0.21	1.0	5.75
	100	-	-	-	-	-	-	-	-	-	-	-	-	0.058	0.0	0.0	0.0	0.014	**0.71**	0.75	1.0	0.014	0.51	0.92	2.0	0.014	0.36	1.0	3.5	0.014	0.24	1.0	5.25
IPC-GRID	10	1.994	**0.64**	0.88	2.29	1.998	0.6	0.92	3.02	1.93	**0.64**	0.88	2.29	0.009	0.46	0.67	2.29	0.001	0.43	0.65	2.08	0.001	0.43	0.79	3.38	0.001	0.39	0.9	4.73	0.001	0.35	0.94	5.44
	30	2.0	0.81	1.0	1.4	1.998	0.73	1.0	2.04	1.936	**0.83**	1.0	1.35	0.006	0.25	0.33	0.5	0.001	0.75	0.9	1.38	0.001	0.72	0.92	1.65	0.001	0.63	0.94	2.33	0.001	0.57	0.96	2.98
	50	2.002	0.79	0.92	1.17	2.001	0.75	1.0	1.73	1.935	0.77	0.9	1.17	0.007	0.39	0.4	0.46	0.001	**0.82**	0.98	1.19	0.001	0.8	0.98	1.29	0.001	0.79	0.98	1.35	0.001	0.74	0.98	1.56
	70	2.003	**0.87**	1.0	1.1	2.003	0.75	1.0	1.44	1.916	**0.87**	1.0	1.1	0.004	0.11	0.13	0.13	0.001	0.85	0.94	1.04	0.001	0.85	0.96	1.17	0.001	0.83	0.98	1.31	0.001	0.78	1.0	1.46
	100	2.01	0.88	1.0	1.13	2.006	0.74	1.0	1.5	1.966	0.88	1.0	1.13	0.012	0.13	0.19	0.19	0.008	**0.94**	1.0	1.0	0.008	**0.94**	1.0	1.0	0.008	**0.94**	1.0	1.0	0.008	0.85	1.0	1.19
FERRY	10	-	-	-	-	-	-	-	-	-	-	-	-	0.005	**0.66**	0.94	4.06	0.0	0.44	0.53	1.89	0.0	0.52	0.89	4.0	0.0	0.41	0.97	6.0	0.0	0.4	1.0	6.33
	30	-	-	-	-	-	-	-	-	-	-	-	-	0.007	**0.55**	0.83	2.19	0.0	0.47	0.58	1.19	0.0	0.46	0.89	2.72	0.0	0.29	1.0	5.31	0.0	0.22	1.0	5.97
	50	-	-	-	-	-	-	-	-	-	-	-	-	0.009	**0.55**	0.81	1.67	0.0	0.55	0.69	1.19	0.0	0.51	0.89	2.11	0.0	0.34	1.0	4.14	0.0	0.21	1.0	5.81
	70	-	-	-	-	-	-	-	-	-	-	-	-	0.014	0.59	0.78	1.56	0.0	**0.66**	0.78	1.14	0.0	0.58	0.94	2.17	0.0	0.33	1.0	4.03	0.0	0.21	1.0	5.58
	100	-	-	-	-	-	-	-	-	-	-	-	-	0.082	0.56	0.67	1.17	0.0	**0.67**	0.75	1.08	0.0	0.66	0.92	1.75	0.0	0.52	1.0	3.0	0.0	0.25	1.0	4.67
LOGISTICS	10	2.231	**0.79**	1.0	3.33	2.232	0.75	1.0	3.72	2.152	**0.79**	1.0	3.33	0.011	0.45	0.58	1.94	0.002	0.49	0.56	2.03	0.002	0.36	0.89	5.22	0.002	0.25	1.0	8.5	0.002	0.21	1.0	9.75
	30	2.237	**0.83**	1.0	1.56	2.234	0.67	1.0	3.11	2.131	0.78	1.0	1.69	0.009	0.35	0.42	0.64	0.001	0.74	0.75	1.25	0.001	0.65	0.94	2.44	0.001	0.4	1.0	4.81	0.001	0.23	1.0	6.78
	50	2.235	0.79	0.94	1.47	2.234	0.68	1.0	2.44	2.148	0.82	0.97	1.47	0.01	0.32	0.33	0.36	0.001	**0.88**	0.94	1.14	0.001	0.73	0.97	1.89	0.001	0.52	0.97	2.75	0.001	0.29	1.0	4.83
	70	2.242	0.94	1.0	1.17	2.234	0.82	1.0	1.56	2.143	0.94	1.0	1.17	0.009	0.25	0.25	0.28	0.001	0.93	1.0	1.17	0.001	0.77	1.0	1.58	0.0	0.42	1.0	2.72	0.0	0.53	1.0	2.72
	100	2.245	**1.0**	1.0	1.0	2.235	0.9	1.0	1.25	2.157	**1.0**	1.0	1.0	0.024	0.08	0.08	0.08	0.007	**1.0**	1.0	1.0	0.007	**1.0**	1.0	1.0	0.007	0.82	1.0	1.42	0.007	0.6	1.0	2.58
MICONIC	10	1.42	**0.69**	0.92	2.83	1.419	0.65	0.94	3.28	1.382	**0.69**	0.92	2.83	0.008	0.59	1.0	3.69	0.001	0.47	0.44	1.39	0.001	0.44	0.97	4.42	0.001	0.32	1.0	5.81	0.001	0.31	1.0	6.0
	30	1.422	**0.69**	0.89	1.58	1.42	0.43	1.0	3.78	1.375	0.64	0.86	1.69	0.009	0.57	0.94	2.39	0.001	**0.69**	0.83	1.25	0.001	0.47	1.0	3.11	0.001	0.3	1.0	4.64	0.001	0.22	1.0	5.69
	50	1.422	0.79	0.86	1.17	1.421	0.5	1.0	3.14	1.365	**0.81**	0.92	1.25	0.011	0.76	0.94	1.5	0.001	0.8	0.89	1.19	0.001	0.67	1.0	2.0	0.001	0.31	1.0	3.92	0.001	0.21	1.0	5.22
	70	1.422	0.81	0.89	1.19	1.422	0.37	1.0	3.5	1.366	**0.88**	0.94	1.19	0.014	0.77	0.97	1.5	0.001	0.85	0.89	1.08	0.001	0.63	0.97	1.94	0.001	0.34	1.0	3.47	0.001	0.23	1.0	4.86
	100	1.427	0.92	0.92	1.0	1.419	0.57	1.0	2.83	1.409	0.92	0.92	1.0	0.065	**0.96**	1.0	1.08	0.0	0.92	0.92	1.0	0.0	**0.96**	1.0	1.08	0.0	0.5	1.0	2.5	0.0	0.23	1.0	4.42
ROVERS	10	1.537	0.73	0.81	3.0	1.537	**0.74**	0.83	3.03	1.48	0.73	0.81	3.0	0.008	0.68	0.89	3.28	0.001	0.43	0.56	1.28	0.001	0.58	0.86	2.97	0.001	0.55	1.0	4.39	0.001	0.47	1.0	5.25
	30	1.539	**0.82**	0.83	1.39	1.538	0.66	0.86	2.28	1.491	0.76	0.83	1.67	0.008	0.62	0.83	1.94	0.001	0.64	0.75	1.14	0.001	0.58	0.94	2.61	0.001	0.42	1.0	3.61	0.001	0.32	1.0	4.78
	50	1.536	**0.72**	0.78	1.28	1.533	0.61	0.86	2.06	1.472	0.7	0.75	1.28	0.008	0.48	0.56	0.86	0.001	0.63	0.75	1.33	0.001	0.48	0.92	2.61	0.001	0.38	1.0	3.72	0.001	0.29	1.0	4.53
	70	1.538	**0.81**	0.86	1.22	1.556	0.64	0.97	2.33	1.474	0.77	0.83	1.22	0.007	0.38	0.42	0.61	0.0	0.76	0.83	1.14	0.0	0.57	0.97	2.22	0.0	0.42	1.0	3.19	0.0	0.31	1.0	4.11
	100	1.54	0.88	0.92	1.08	1.542	0.83	1.0	1.58	1.472	0.88	0.92	1.08	0.026	0.33	0.33	0.33	0.0	**0.94**	1.0	1.17	0.0	0.67	1.0	2.08	0.0	0.48	1.0	2.67	0.0	0.35	1.0	3.58
SATELLITE	10	1.288	0.74	0.89	3.89	1.287	**0.75**	0.89	3.89	1.225	0.74	0.89	3.89	0.006	0.64	0.92	4.53	0.001	0.51	0.72	2.75	0.001	0.59	0.89	4.39	0.001	0.6	0.97	5.22	0.001	0.57	1.0	5.75
	30	1.286	**0.61**	0.78	2.33	1.285	0.6	0.92	3.36	1.244	0.59	0.78	2.39	0.006	0.44	0.72	2.92	0.0	0.46	0.72	1.86	0.0	0.38	0.92	4.08	0.0	0.34	0.94	5.08	0.0	0.32	1.0	5.67
	50	1.287	0.7	0.86	1.83	1.286	0.54	0.94	3.33	1.231	**0.74**	0.86	1.83	0.007	0.64	0.89	2.33	0.0	0.6	0.81	1.44	0.0	0.44	0.92	3.08	0.0	0.35	0.94	4.14	0.0	0.28	1.0	5.17
	70	1.29	0.67	0.92	2.08	1.288	0.55	1.0	3.53	1.219	**0.71**	0.92	1.94	0.007	0.5	0.78	2.28	0.0	0.67	0.86	1.44	0.0	0.6	0.97	2.67	0.0	0.44	1.0	3.75	0.0	0.36	1.0	4.64
	100	1.287	**0.92**	1.0	1.42	1.292	0.73	1.0	2.5	1.222	**0.92**	1.0	1.42	0.025	0.65	0.83	1.58	0.0	0.74	1.0	1.33	0.0	0.6	1.0	2.08	0.0	0.51	1.0	3.33	0.0	0.43	1.0	4.08
SOKOBAN	10	3.85	**0.41**	0.53	1.92	3.848	0.35	0.69	3.67	3.835	**0.41**	0.53	1.92	0.058	0.22	0.58	3.94	0.005	0.37	0.64	2.39	0.005	0.39	0.92	4.03	0.005	0.28	0.92	5.03	0.005	0.24	1.0	6.86
	30	3.818	0.64	0.81	2.14	3.816	0.4	0.97	5.19	3.827	**0.66**	0.75	1.39	0.063	0.25	0.39	1.39	0.005	0.5	0.69	1.61	0.005	0.42	0.78	2.5	0.005	0.31	0.81	3.78	0.005	0.23	0.94	5.56
	50	3.817	0.54	0.75	2.08	3.818	0.38	0.89	4.69	3.866	**0.71**	0.89	1.53	0.059	0.05	0.08	0.42	0.005	0.51	0.67	1.44	0.005	0.48	0.81	2.22	0.005	0.32	0.86	3.72	0.005	0.22	0.97	5.58
	70	3.805	0.5	0.89	4.0	3.807	0.27	0.94	6.0	3.862	**0.76**	0.94	1.19	0.052	0.03	0.03	0.14	0.005	0.51	0.75	1.42	0.005	0.41	0.83	2.25	0.005	0.32	0.92	3.69	0.005	0.26	0.97	5.06
	100	3.82	0.47	0.92	4.67	3.815	0.33	0.92	5.67	3.815	**0.79**	0.92	1.0	0.207	0.0	0.0	0.0	0.042	0.74	1.0	1.42	0.042	0.54	1.0	2.67	0.042	0.35	1.0	3.83				
ZENO	10	-	-	-	-	-	-	-	-	-	-	-	-	0.011	**0.55**	0.94	3.44	0.001	0.24	0.25	1.36	0.001	0.36	0.69	2.53	0.001	0.35	0.97	4.64	0.001	0.35	1.0	5.39
	30	-	-	-	-	-	-	-	-	-	-	-	-	0.012	**0.58**	0.94	2.44	0.001	0.5	0.56	1.28	0.001	0.48	0.72	1.86	0.001	0.35	0.94	3.58	0.001	0.26	1.0	4.81
	50	-	-	-	-	-	-	-	-	-	-	-	-	0.014	0.7	0.89	1.61	0.001	**0.72**	0.78	1.22	0.001	0.65	0.94	1.97	0.001	0.38	0.97	3.31	0.001	0.28	1.0	4.42
	70	-	-	-	-	-	-	-	-	-	-	-	-	0.016	**0.8**	0.94	1.42	0.001	0.75	0.86	1.25	0.001	0.67	0.94	1.75	0.001	0.45	1.0	2.97	0.001	0.29	1.0	4.19
	100	-	-	-	-	-	-	-	-	-	-	-	-	0.059	**0.83**	0.92	1.17	0.007	0.79	0.92	1.25	0.007	0.65	1.0	1.75	0.007	0.46	1.0	2.75	0.007	0.33	1.0	4.0
AVG		1.431	0.41	0.51	1.27	1.429	0.34	0.55	2.2	1.385	0.43	0.51	1.15	0.024	0.41	0.59	1.92	0.002	**0.58**	0.71	1.37	0.002	0.54	0.88	2.52	0.002	0.42	0.96	4.17	0.002	0.32	0.99	5.71

Table 2: Time, agreement ratio (AGR), accuracy (ACC) and spread on sub-optimal dataset.