

Methods		n	SSE	CRPS	DSS	IS1	SSE	CRPS	DSS	IS1	SSE	CRPS	DSS	IS1	SSE	CRPS	DSS	IS1	SSE	CRPS	DSS	IS1
Metrics																						
SSE	200		1.0	0.57	0.99	0.99	1.0	0.02	0.04	0.2	1.0	0.16	0.22	0.0	1.0	nan	0.99	0.72	1.0	nan	1.0	0.72
SSE	400		1.0	0.19	0.07	0.52	1.0	0.06	0.02	0.42	1.0	0.08	0.11	0.0	1.0	0.29	0.99	0.84	1.0	0.29	0.99	0.84
SSE	800		1.0	0.18	1.0	0.83	1.0	0.16	0.17	0.71	1.0	nan	0.97	0.0	1.0	nan	0.98	1.0	1.0	nan	0.98	1.0
SSE	1600		1.0	0.39	1.0	0.74	1.0	0.09	0.08	0.73	1.0	nan	0.83	0.48	1.0	nan	0.83	1.0	1.0	nan	0.83	1.0
CRPS	200		0.17	1.0	0.89	0.99	0.98	1.0	0.94	1.0	0.84	1.0	0.14	0.0	nan	1.0	0.98	0.69	nan	1.0	1.0	0.69
CRPS	400		0.82	1.0	0.15	0.76	0.94	1.0	0.04	1.0	0.92	1.0	0.1	0.0	0.74	1.0	0.99	0.86	0.74	1.0	0.99	0.86
CRPS	800		0.39	1.0	1.0	0.92	0.85	1.0	0.91	1.0	nan	1.0	0.97	0.0	nan	1.0	0.98	1.0	nan	1.0	0.98	1.0
CRPS	1600		0.61	1.0	1.0	0.95	0.92	1.0	0.77	1.0	nan	1.0	0.83	0.13	nan	1.0	0.83	1.0	nan	1.0	0.83	1.0
DSS	200		0.13	0.3	1.0	0.98	1.0	0.93	1.0	1.0	1.0	1.0	1.0	0.58	0.99	0.99	1.0	1.0	0.99	0.99	1.0	1.0
DSS	400		0.13	0.07	1.0	0.91	1.0	0.98	1.0	1.0	0.99	0.98	1.0	0.99	1.0	1.0	1.0	1.0	0.99	1.0	1.0	1.0
DSS	800		0.02	0.0	1.0	0.91	0.97	0.95	1.0	1.0	0.95	0.95	1.0	0.65	0.97	0.97	1.0	1.0	0.97	0.97	1.0	1.0
DSS	1600		0.53	0.21	1.0	0.87	1.0	1.0	1.0	1.0	0.4	0.4	1.0	1.0	0.87	0.87	1.0	1.0	0.87	0.87	1.0	1.0
IS1	200		0.88	0.94	0.95	1.0	0.98	0.78	0.99	1.0	1.0	1.0	1.0	1.0	0.98	0.98	1.0	1.0	0.98	0.98	1.0	1.0
IS1	400		0.64	0.66	0.76	1.0	0.98	1.0	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IS1	800		0.97	0.95	0.99	1.0	0.96	0.95	0.97	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IS1	1600		0.98	0.98	0.99	1.0	0.97	0.99	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Table 1: Test data

Methods		n	SSE	CRPS	DSS	IS1	SSE	CRPS	DSS	IS1	SSE	CRPS	DSS	IS1	SSE	CRPS	DSS	IS1	SSE	CRPS	DSS	IS1
Metrics																						
SSE	200		1.0	0.51	1.0	1.0	1.0	0.02	0.02	0.52	1.0	0.16	0.08	0.0	1.0	nan	0.92	0.99	1.0	nan	1.0	0.99
SSE	400		1.0	0.09	0.06	0.8	1.0	0.05	0.02	0.75	1.0	0.08	0.06	0.02	1.0	0.88	0.99	1.0	1.0	0.88	0.99	1.0
SSE	800		1.0	0.72	1.0	0.92	1.0	0.1	0.19	0.79	1.0	nan	0.97	0.02	1.0	nan	0.98	1.0	1.0	nan	0.98	1.0
SSE	1600		1.0	0.33	1.0	0.73	1.0	0.08	0.17	0.9	1.0	nan	0.83	0.87	1.0	nan	0.83	1.0	1.0	nan	0.83	1.0
CRPS	200		0.83	1.0	1.0	1.0	0.98	1.0	0.07	1.0	0.84	1.0	0.07	0.0	nan	1.0	0.78	0.99	nan	1.0	1.0	0.99
CRPS	400		0.99	1.0	0.45	0.92	0.95	1.0	0.01	1.0	0.92	1.0	0.08	0.0	0.92	1.0	1.0	1.0	0.92	1.0	1.0	1.0
CRPS	800		0.59	1.0	1.0	0.94	0.9	1.0	0.99	1.0	nan	1.0	0.97	0.0	nan	1.0	0.98	1.0	nan	1.0	0.98	1.0
CRPS	1600		0.84	1.0	1.0	0.9	0.92	1.0	0.99	1.0	nan	1.0	0.83	0.32	nan	1.0	0.83	1.0	nan	1.0	0.83	1.0
DSS	200		0.65	0.58	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.81	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
DSS	400		0.71	0.29	1.0	1.0	1.0	1.0	1.0	1.0	0.99	0.99	1.0	0.99	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
DSS	800		0.06	0.04	1.0	0.98	0.99	0.96	1.0	1.0	0.96	0.96	1.0	0.66	0.97	0.97	1.0	1.0	0.97	0.97	1.0	1.0
DSS	1600		0.37	0.21	1.0	0.95	1.0	1.0	1.0	1.0	0.45	0.45	1.0	1.0	0.92	0.92	1.0	1.0	0.92	0.92	1.0	1.0
IS1	200		1.0	1.0	1.0	1.0	0.99	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.99	0.99	0.99	1.0	0.99	0.99	1.0	1.0
IS1	400		1.0	1.0	1.0	1.0	0.97	0.98	0.65	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IS1	800		1.0	1.0	1.0	1.0	0.98	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IS1	1600		1.0	1.0	1.0	1.0	0.97	0.97	0.99	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Table 2: Training data