

Table 1. Comparison of performance metrics for LM and LSTM models

	MAE		RMSE		NSE		KGE 2012	
	LM	LSTM	LM	LSTM	LM	LSTM	LM	LSTM
1800	19.23	13.29	24.67	22.99	0.91	0.92	0.8752	0.78
1801	25.32	18.95	35.18	24.74	0.73	0.87	0.8183	0.82
1802	22.90	17.88	29.86	26.54	0.72	0.78	0.1549	0.80
1803	30.12	27.39	36.35	32.48	0.56	0.65	0.5689	0.86
1804	33.25	21.47	49.39	31.67	0.66	0.86	0.7652	0.92
1805	29.04	31.38	40.12	40.89	0.65	0.64	0.7924	0.83
1806	40.52	22.01	59.59	29.59	0.41	0.85	0.6866	0.93
1807	27.90	23.61	46.02	30.71	0.65	0.84	0.7736	0.91
1808	34.80	19.94	40.95	29.01	0.76	0.88	0.5388	0.78
1809	45.55	35.81	81.79	56.08	-1.16	-0.01	0.0885	0.40
1810	42.39	22.34	50.13	31.51	0.37	0.75	0.3029	0.76
1811	50.26	24.39	60.04	31.04	-1.00	0.47	-0.666	0.83
1812	75.19	38.38	84.50	48.95	-0.35	0.55	0.1274	0.71
1813	107.24	33.20	115.11	39.10	-0.72	0.80	0.0043	0.72
1814	36.97	41.95	53.50	50.11	0.40	0.47	0.5454	0.76
1815	33.75	26.26	44.59	37.23	0.46	0.62	0.7088	0.81
1817	15.75	12.85	23.20	20.73	0.69	0.76	0.61	0.81
1818	21.81	18.28	26.49	22.15	0.75	0.83	0.91	0.92
1819	22.73	15.26	30.44	20.78	0.79	0.90	0.91	0.94
1919	78.32	14.88	147.55	22.90	0.15	0.89	0.04	0.88
1920	22.59	13.06	30.39	18.19	0.81	0.94	0.90	0.96
1921	16.28	11.97	18.77	15.31	0.89	0.93	0.84	0.83