

**Table 1: Prediction performance comparison on the METR-LA and PEMS-BAY datasets. We denote the best, second-best, and third-best as bold, underlined, and double underlined, respectively. The numbers 5, 15, 30, and 60 are the different time horizons in minutes.**

Model	Model Type	METR-LA								PEMS-BAY							
		MAE( $\downarrow$ )				RMSE( $\downarrow$ )				MAE( $\downarrow$ )				RMSE( $\downarrow$ )			
		5	15	30	60	5	15	30	60	5	15	30	60	5	15	30	60
ST-DTNN	Reptile	2.6104	3.3952	4.0917	4.9823	4.3516	6.0988	7.4514	9.3159	1.5713	1.9812	2.4116	2.8927	2.4215	3.5439	4.6932	6.5328
ST-GCN		2.7018	3.3216	4.2119	5.1024	4.3057	6.7983	7.4158	9.4286	1.4772	1.7575	2.3493	2.8128	2.5106	3.7342	4.8325	6.3129
DDGCRN		2.6053	3.3159	4.2097	5.0986	4.3018	6.2914	7.4113	9.4027	1.4148	2.0226	2.4839	2.9324	2.5357	3.6418	4.6325	6.5028
FOGS		2.5627	3.3645	3.9958	4.8923	4.3442	6.1158	7.4056	9.2879	1.3647	1.9224	2.3837	2.8126	2.3359	3.4413	4.5328	6.3125
DTAN		2.5793	3.3857	4.0915	4.9872	4.3491	6.2104	7.4193	9.3026	1.3514	1.9158	2.3917	2.8324	2.3658	3.5129	4.4896	6.3027
DASTNet		2.4416	3.1148	3.8659	4.7127	4.2103	5.7298	7.2893	9.0124	1.3559	1.8963	2.2818	2.7127	2.6784	3.4168	4.5216	6.2129
CHAMFormer		2.5122	3.2411	3.9979	4.9217	4.3538	6.0715	7.4156	9.3183	1.4981	1.9548	2.4012	2.9059	2.5437	3.5188	4.5967	6.3894
ST-GFSL	Transfer	2.4313	3.0346	3.8728	4.7024	4.2327	5.7243	7.2816	8.9879	1.1845	1.7348	2.2217	2.6129	2.0193	3.1947	4.5726	5.9218
TPB		<u>2.3927</u>	<u>2.9118</u>	3.6943	4.5126	4.1329	<u>5.5562</u>	<u>6.9138</u>	8.7453	1.1839	1.7326	<u>2.2254</u>	<u>2.6027</u>	1.8843	<u>3.1325</u>	<u>4.2749</u>	5.7628
AdaRNN		2.6038	3.1847	3.9015	4.7329	4.4103	5.7746	7.3364	9.0328	1.1897	1.7513	2.3815	2.7128	1.9829	3.3048	4.4027	5.9826
TransGTR		2.3859	3.0123	3.6428	4.4426	<u>4.1297</u>	5.6043	7.1279	8.7015	<u>1.1658</u>	<u>1.7053</u>	2.1348	2.7913	1.7987	<u>3.0436</u>	4.3584	<u>5.6829</u>
Cross-IDR		2.4685	3.1347	3.8198	<u>4.2193</u>	4.1952	5.6217	6.8986	<u>8.6534</u>	1.1749	<u>1.6178</u>	2.1746	2.5893	1.8215	3.1876	4.2318	5.6329
STGP	Prompt-Based	<u>2.2983</u>	2.9736	<u>3.5418</u>	<u>4.2329</u>	<u>4.0757</u>	<u>5.4813</u>	<u>6.7724</u>	8.5987	<u>1.1725</u>	1.7453	<u>2.1358</u>	<u>2.7036</u>	<u>1.7923</u>	3.2148	<u>4.2017</u>	<u>5.4613</u>
DynAGS		<u>2.3205</u>	<u>3.0021</u>	<u>3.5769</u>	4.2747	4.1153	<u>5.5354</u>	<u>6.8392</u>	<u>8.6846</u>	1.1833	1.7628	2.1569	2.7303	1.8095	<u>3.2467</u>	4.2436	5.5159
PromptST		2.3432	3.0321	3.6113	4.3169	4.1561	5.5902	6.9078	8.7707	1.1951	1.7795	2.1773	2.7578	1.8274	3.2789	4.2857	5.5708
ProST		2.3664	3.0628	3.6479	4.3583	4.1979	5.6451	6.9757	8.8552	1.2078	1.7971	2.1996	2.7847	1.8453	3.3109	4.3276	5.6243
FlashST		2.3897	3.0913	3.6821	4.4019	4.2386	5.7008	7.0423	8.9414	1.2196	1.8143	2.2208	2.8117	1.8639	3.3421	4.3698	5.6797
CAST-CKT		<b>1.7328</b>	<b>2.7574</b>	<b>3.3501</b>	<b>3.6521</b>	<b>2.6240</b>	<b>3.4613</b>	<b>5.7897</b>	<b>7.5572</b>	<b>1.2052</b>	<b>1.6061</b>	<b>2.1091</b>	<b>2.4461</b>	<b>1.6738</b>	<b>3.0089</b>	<b>3.5579</b>	<b>4.3608</b>
Std. Dev.		0.0083	0.0052	0.0167	0.0294	0.0215	0.0118	0.0953	0.0321	0.0027	0.0084	0.0162	0.0309	0.0075	0.0031	0.0227	0.0348