

**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( $\downarrow$ )											
		Horizons	5	15	30	60	5	15	30	60	5	15	30	60	5	15	30	60	5	15	30	60
ST-DTNN			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	Reptile		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			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	Transfer		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			<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	Prompt-Based		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				