Table A: Prediction comparison among Linear, RNN, and Transformer-based baselines in terms of MAE and MSE in all datasets. The lowest errors are in bold, and the second lowest errors are <u>underlined</u>.

	Datasets		Da	egu	Bu	san	Se	oul	NYC Taxi		СО	VID	NYC COVID	
	Model		MAE	MSE										
		7 days	0.4229	0.5982	0.4153	0.5304	0.4203	0.6353	0.3874	0.4182	0.5774	0.6473	0.4828	0.6250
		/ days	(±0.0007)	(± 0.0009)	(±0.0007)	(± 0.0017)	(±0.0011)	(± 0.0033)	(±0.0012)	(± 0.0011)	(±0.0021)	(± 0.0035)	(±0.0010)	(±0.0003)
		14 days	0.4244	0.6019	0.4171	0.5318	0.4270	0.6535	0.3935	0.4292	0.6250	0.7430	0.5018	0.6478
	DLinear		(±0.0006) 0.4300	(±0.0017) 0.6094	(±0.0007) 0.4230	(±0.0005) 0.5354	(±0.0008) 0.4350	(±0.0015) 0.6801	(±0.0009) 0.4006	(±0.0009) 0.4338	(±0.0034) 0.7078	(±0.0058) 0.9211	(±0.0005) 0.5302	(±0.0007) 0.6843
		30 days	(±0.0005)	(±0.0010)	(±0.0004)	(±0.0019)	(±0.0007)	(±0.0012)	(±0.0009)	(±0.0005)	(±0.0021)	(±0.0047)	(±0.0004)	(±0.0007)
		Avg.	0.4258	0.6032	0.4185	0.5325	0.4274	0.6563	0.3938	0.4271	0.6367	0.7705	0.5049	0.6524
	'	<u> </u>	0.4845	0.6794	0.4726	0.5952	0.4617	0.6886	0.3950	0.4394	0.5837	0.6810	0.4705	0.6834
		7 days	(±0.0002)	(±0.0004)	(±0.0004)	(±0.0004)	(±0.0083)	(±0.0082)	(±0.0062)	(±0.0156)	(±0.0020)	(±0.0045)	(±0.0020)	(±0.0026)
. .		14 days	0.4877	0.6824	0.4755	0.5963	0.5346	1.0716	0.4020	0.4539	0.6091	0.7330	0.4800	0.7078
Linear -based	NLinear	14 days	(±0.0002)	(±0.0003)	(±0.0002)	(±0.0004)	(±0.0002)	(±0.0006)	(±0.0058)	(±0.0156)	(±0.0011)	(±0.0023)	(±0.0014)	(±0.0041)
-baseu		30 days	0.4976	0.6973	0.4862	0.6066	0.5405	1.0907	0.4069	0.4577	0.6479	0.8055	0.4879	0.7184
	 		(±0.0003)	(±0.0003)	(±0.0003)	(±0.0004)	(±0.0001)	(±0.0002)	(±0.0069)	(±0.0178)	(±0.0005)	(±0.0013)	(±0.0009)	(±0.0011)
		Avg.	0.4899	0.6864	0.4781	0.5994	0.5123	0.9503	0.4013	0.4503	0.6136	0.7398	0.4795	0.7032
		7 days	0.4866	0.8607	0.5680	1.4521	0.4531	0.5648	0.3800	0.4025	0.4705	0.4582	0.4083	0.5857
			(±0.0025) 0.4902	(±0.0021) 0.8694	(±0.0016) 0.5709	(±0.0093) 1.4642	(±0.0077) 0.4514	(±0.0101) 0.5653	(±0.0010) 0.3816	(±0.0021) 0.4108	(±0.0026) 0.5233	(±0.0008) 0.5483	(±0.0009) 0.4209	(±0.0040) 0.6169
	TimeMixer	14 days	(±0.0032)	(±0.0046)	(±0.0019)	(±0.0115)	(±0.0018)	(±0.0033)	(±0.0011)	(±0.0013)	(±0.0122)	(±0.0219)	(±0.0024)	(±0.0047)
		20.1	0.4928	0.8758	0.5824	1.5837	0.4511	0.5758	0.3890	0.4183	0.5494	0.6010	0.4325	0.6355
		30 days	(±0.0033)	(± 0.0031)	(±0.0018)	(± 0.0024)	(±0.0037)	(± 0.0029)	(±0.0021)	(± 0.0022)	(±0.0211)	(± 0.0421)	(±0.0016)	(±0.0007)
		Avg.	0.4899	0.8686	0.5738	1.5000	0.4519	0.5686	0.3835	0.4105	0.5144	0.5358	0.4206	0.6127
	SegRNN	7 dans	0.7828	1.2025	0.8631	1.3693	0.7200	1.2600	0.8825	1.5928	0.6173	0.7434	0.4855	0.6379
		7 days	(±0.0331)	(±0.0269)	(±0.0048)	(± 0.0345)	(±0.0293)	(± 0.0573)	(±0.0418)	(± 0.2423)	(±0.0029)	(± 0.0128)	(±0.0129)	(±0.0035)
RNN		14 days	0.7974	1.2273	0.8677	1.4029	0.7402	1.2878	0.9401	1.8318	0.6413	0.8030	0.5037	0.6602
-based			(±0.0045)	(±0.0087)	(±0.0036)	(±0.0049)	(±0.0047)	(±0.0330)	(±0.0608)	(±0.2853)	(±0.0088)	(±0.0170) 0.8798	(±0.0067)	(±0.0050)
		30 days	0.7988 (±0.0027)	1.2310 (±0.0006)	0.8641 (±0.0087)	1.3665 (±0.0281)	0.7448 (±0.0050)	1.3051 (±0.0292)	0.9366 (±0.0215)	1.9442 (±0.1574)	0.6823 (±0.0104)	(±0.0268)	0.5169 (±0.0169)	0.6743 (±0.0053)
		Avg.	0.7930	1.2203	0.8650	1.3796	0.7350	1.2843	0.9197	1.7896	0.6470	0.8087	0.5020	0.6575
	Informer		0.7171	1.1088	0.7949	1.2132	0.6535	1.0920	0.6880	0.8729	0.7542	1.0050	0.6301	0.7791
		7 days 14 days	(±0.0004)	(±0.0020)	(±0.0037)	(±0.0028)	(±0.0060)	(±0.0052)	(±0.0163)	(±0.0166)	(±0.0214)	(±0.0498)	(±0.0129)	(±0.0085)
			0.7194	1.1104	0.7954	1.2138	0.6654	1.1136	0.6924	0.8849	0.8303	1.1915	0.6333	0.7842
		14 days	(±0.0013)	(±0.0015)	(±0.0029)	(±0.0036)	(±0.0102)	(±0.0031)	(±0.0097)	(±0.0076)	(±0.0313)	(±0.0875)	(±0.0109)	(±0.0094)
		30 days	0.7198	1.1126	0.7973	1.2095	0.6743	1.1466	0.6984	0.8903	0.9414	1.5015	0.6408	0.7919
			(±0.0012)	(±0.0005)	(±0.0036)	(±0.0045)	(±0.0073)	(±0.0157)	(±0.0079)	(±0.0046)	(±0.0131)	(±0.0574)	(±0.0137)	(±0.0138) 0.7851
		Avg.	0.7188	1.1106	0.7959	1.2122	0.6644	1.1174	0.6929	0.8827	0.8420	1.2327	0.6347	
		7 days	0.7164 (±0.0030)	1.1060 (±0.0033)	0.7932 (±0.0018)	1.2050 (±0.0056)	0.6626 (±0.0076)	1.1152 (±0.0012)	0.4754 (±0.0049)	0.5293 (±0.0045)	1.2258 (±0.0398)	2.4200 (±0.1349)	0.6320 (±0.0055)	0.7897 (±0.0134)
			0.6435	0.9968	0.7235	1.0766	0.6525	1.1001	0.4766	0.5284	0.8000	1.1006	0.6014	0.7539
	Reformer	14 days	(±0.0154)	(±0.0262)	(±0.0286)	(±0.0311)	(±0.0033)	(±0.0024)	(±0.0028)	(±0.0079)	(±0.0486)	(±0.0960)	(±0.0090)	(±0.0093)
		30 days	0.7164	1.1060	0.7932	1.2050	0.6626	1.1152	0.4754	0.5293	1.2258	2.4200	0.6320	0.7897
			(±0.0030)	(±0.0033)	(±0.0018)	(±0.0056)	(±0.0076)	(±0.0012)	(±0.0049)	(±0.0045)	(±0.0398)	(±0.1349)	(±0.0055)	(±0.0134)
Transformer		Avg.	0.6921	1.0696	0.7700	1.1622	0.6592	1.1102	0.4758	0.5290	1.0839	1.9802	0.6218	0.7778
-based		7 days	0.4460	0.6441	0.4408	0.5762		0.6676	0.4053	0.4334	0.5941	0.6948	0.4957	0.6151
		/ days	(±0.0012)	(±0.0016)	(±0.0023)	(±0.0040)	(±0.0013)	(±0.0047)	(±0.0041)	(±0.0011)	(±0.0138)	(±0.0287)	(±0.0118)	(±0.0035)
	PatchTST	14 days	0.4492 (±0.0019)	0.6444 (±0.0033)	0.4402 (±0.0018)	0.5735 (±0.0045)	0.4405 (±0.0014)	0.6797 (±0.0055)	0.4072 (±0.0002)	0.4434 (±0.0012)	0.6334 (±0.0142)	0.7771 (±0.0228)	0.5159 (±0.0050)	0.6367 (±0.0049)
	T atcil131		0.4516	0.6510	0.4456	0.5718	0.4410	0.6965	0.4147	0.4484	0.7333	1.0034	0.5504	0.6763
		30 days	(±0.0012)	(±0.0027)	(±0.0017)	(±0.0027)	(±0.0009)	(±0.0034)	(±0.0042)	(±0.0015)	(±0.0149)	(±0.0349)	(±0.0077)	(±0.0113)
		Avg.	0.4489	0.6465	0.4422	0.5738	0.4392	0.6813	0.4091	0.4417	0.6536	0.8251	0.5207	0.6427
	· 	<u> </u>	0.6454	1.1241	0.7259	1.8498	0.5527	0.7486	0.5487	0.6601	0.7048	0.9045	0.4559	0.6722
		7 days	(±0.0021)	(±0.0041)	(±0.0003)	(±0.0006)	(±0.0322)	(±0.0387)	(±0.0116)	(±0.0164)	(±0.0127)	(±0.0270)	(±0.0031)	(±0.0046)
		14 days	0.6401	1.1175	0.7272	1.8645	0.5371	0.7290	0.5556	0.6737	0.6881	0.8884	0.4617	0.6974
	iTransformer	11 days	(±0.0032)	(±0.0040)	(±0.0008)	(±0.0006)	(±0.0381)	(±0.0582)	(±0.0098)	(±0.0139)	(±0.0303)	(±0.0573)	(±0.0005)	(±0.0006)
		30 days	0.6446 (±0.0019)	1.1266 (±0.0020)	0.7289 (±0.0009)	1.9262 (±0.0053)	0.5298 (±0.0329)	0.7140 (±0.0428)	0.5512 (±0.0106)	0.6666 (±0.0148)	0.6999 (±0.0117)	0.9170 (±0.0190)	0.4618 (±0.0002)	0.7085 (±0.0003)
	 		1											
		Avg.	0.6434	1.1227	0.7273	1.8802	0.5399	0.7305	0.5518	0.6668	0.6976	0.9033	0.4598	0.6927

Table B: Prediction comparison among CNN and Graph-based baselines in terms of MAE and MSE in all datasets. The lowest errors are in bold, and the second lowest errors are <u>underlined</u>.

Model		Datasets		Daegu		Busan		Seoul		NYC Taxi		COVID		NYC COVID	
Part	Model			MAE	MSE										
Part			7 dorra	0.4528	0.6126	0.4386	0.5388	0.4546	0.6697	0.3593	0.3797	0.4078	0.3798	0.3924	0.5626
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Part		STGCN	14 days	1			(±0.0290)	(±0.0153)		(±0.1037)					
New			30 days	0.4840	0.8439	0.7076	3.0375	0.4377	0.5933	0.6495	0.8200	0.8537	1.2454	0.6154	0.7990
Part			30 days	(±0.0014)	(±0.0035)	(±0.0012)	(±0.0092)	(±0.0089)	(±0.0104)	(±0.1774)	(±0.3981)	(±0.0500)	(±0.1215)	(±0.0189)	(±0.0470)
MPNILSTM		l <u></u>	Avg.	0.4827	0.8394	0.7197	3.1731	0.4359	0.5918	0.5992	0.6968	0.7897	1.0813	0.5934	0.7516
MPNNLSTM			7 dove	0.7514	1.3009	1.0370	4.1965	0.6772	1.1933	0.7432	0.7955	0.7827	1.0456	0.6934	0.8578
MPNNLSTM 14 days			/ uays	1 '			. ,				. ,			. ,	. ,
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Fragman			30 days	(±0.0855)	(± 0.0688)	(±0.0317)	(± 0.0019)	(±0.0143)	(± 0.0636)	(±0.0477)	(± 0.0516)	(±0.0774)	(± 0.0252)	(±0.0089)	(± 0.0076)
Graph -based GWNet GWNet -based GWNet -based GWNet -based GWNet -based GWNet -based			Avg.	1.4308	1.8579	1.3311	3.5662	1.5438	1.7944	1.0463	1.3934	1.2905	1.4884	1.1477	1.2339
Graph -based GWNet GWNet -based GWNet -based GWNet -based GWNet -based GWNet -based		GWNet		0.4530	0.6363	0.4548	0.5841	0.4589	0.6395	0.4138	0.4376	0.6975	0.8616	0.5564	0.6961
Graph -based -ba				(±0.0033)	(± 0.0041)	(±0.0050)			(± 0.0204)	(±0.0062)	(± 0.0015)	(±0.0193)	(± 0.0394)	(±0.0187)	
DSTAGNN Avg. 0.4545 0.6394 0.4570 0.5750 0.4448 0.6310 0.4209 0.4539 0.45008) (±0.0026) (±0.0026) (±0.0026) (±0.0027) (±0.0029) (±0.0027) (±0.0027) (±0.0028) (±0.0027) (±0.0038) (±0.0026) (±0.0038) (±0.0037) (±0.0038) (±0.0038) (±0.0050) (±0.0038)	Granh														
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DSTAGNN PAGE 14 days			Ava	1 .										1	
$ \text{DSTAGNN} = \begin{bmatrix} 7 \text{ days} \\ 14 \text{ days} \\ 0.4631 & 0.6374 & 0.4379 & 0.5395 & 0.4690 & 0.6762 & 0.4482 & 0.4794 & 0.8882 & 1.3594 & 0.6969 & 0.9626 & 0.6960 & 0.6762 & 0.4482 & 0.4794 & 0.8882 & 1.3594 & 0.6969 & 0.9626 & 0.6960 & 0.6762 & 0.4482 & 0.4794 & 0.8882 & 1.3594 & 0.6969 & 0.9626 & 0.6960 & 0.4667 & 0.6139 & 0.4467 & 0.6139 & 0.4384 & 0.5368 & 0.4999 & 0.7246 & 0.4521 & 0.4825 & 0.9055 & 1.4111 & 0.7066 & 0.9600 & 0.6662 & 0.4521 & 0.4825 & 0.9055 & 1.4111 & 0.7066 & 0.9600 & 0.6662 & 0.4521 & 0.4825 & 0.9055 & 1.4111 & 0.7066 & 0.9600 & 0.6662 & 0.6762 & 0.4825 & 0.9055 & 0.4409 & 0.5438 & 0.4787 & 0.6941 & 0.4888 & 0.4786 & 0.8917 & 1.3670 & 0.6982 & 0.9555 & 0.4969 & 0.5438 & 0.4787 & 0.6941 & 0.4488 & 0.4786 & 0.8917 & 1.3670 & 0.6982 & 0.9555 & 0.4969 & 0.5438 & 0.4787 & 0.6941 & 0.4488 & 0.4786 & 0.8917 & 1.3670 & 0.6982 & 0.9555 & 0.4969 & 0.5438 & 0.4787 & 0.6941 & 0.4488 & 0.4786 & 0.8917 & 1.3670 & 0.6982 & 0.9555 & 0.4969 & 0.5438 & 0.4787 & 0.6941 & 0.4488 & 0.4786 & 0.8917 & 1.3670 & 0.6982 & 0.9555 & 0.4969 & 0.5669 & 0.5669 & 0.4662 & 0.6743 & 0.7902 & 0.5177 & 0.5825 & 0.4060 & 0.6662 & 0.6743 & 0.7902 & 0.5177 & 0.5825 & 0.4060 & 0.6662 & 0.6743 & 0.7902 & 0.5177 & 0.5825 & 0.4060 & 0.6662 & 0.6743 & 0.7902 & 0.5177 & 0.5825 & 0.4060 & 0.6662 & 0.6743 & 0.7902 & 0.5177 & 0.5825 & 0.4060 & 0.6662 & 0.6743 & 0.7902 & 0.5177 & 0.5825 & 0.4060 & 0.6662 & 0.6743 & 0.7902 & 0.5177 & 0.5825 & 0.4060 & 0.6662 & 0.6743 & 0.7902 & 0.5177 & 0.5825 & 0.4060 & 0.6662 & 0.6743 & 0.7902 & 0.5177 & 0.5825 & 0.4060 & 0.6662 & 0.6743 & 0.7902 & 0.5177 & 0.5825 & 0.4060 & 0.6662 & 0.6743 & 0.7902 & 0.5177 & 0.5825 & 0.4060 & 0.6662 & 0.6743 & 0.7902 & 0.5177 & 0.5825 & 0.4060 & 0.6662 & 0.6743 & 0.7902 & 0.5177 & 0.5825 & 0.4060 & 0.6664 & 0.6662 & 0.6743 & 0.7902 & 0.5177 & 0.5825 & 0.4060 & 0.6664 & 0.6662 & 0.6743 & 0.7902 & 0.56642 & 0.6743 & 0.7902 & 0.56642 & 0.6743 & 0.7902 & 0.56642 & 0.6743 & 0.7902 & 0.56642 & 0.6743 & 0.7902 & 0.56642 & 0.6743 & 0.7902 & 0.56642 & 0.6743 & 0.7902 & 0.5664$			<u> </u>											1	
DSTAGNN 14 days			7 days	1											
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$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		DSTAGNN	14 days	(±0.0144)	(±0.0226)	(±0.0016)	(± 0.0053)	(±0.0008)	(±0.0121)	(±0.0073)	(±0.0112)	(±0.0346)	(±0.0990)	(±0.0049)	(±0.0069)
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$			30 days	1											
$ \text{AutoST} = \begin{bmatrix} 7 \text{ days} & 0.4263 & 0.6979 & 0.5679 & 1.9284 & 0.4509 & 0.5528 & 0.3994 & 0.4662 & 0.6743 & 0.7902 & 0.5177 & 0.5825 \\ 0.40906 & (\pm 0.0906) & (\pm 0.3084) & (\pm 0.1789) & (\pm 1.1792) & (\pm 0.0564) & (\pm 0.1077) & (\pm 0.1313) & (\pm 0.2369) & (\pm 0.1063) & (\pm 0.2658) & (\pm 0.1506) & (\pm 0.2950) \\ 0.4268 & 0.6947 & 0.5720 & 1.8798 & 0.4494 & 0.5573 & 0.3966 & 0.4602 & 0.6723 & 0.8052 & 0.5010 & 0.5745 \\ 0.4268 & 0.6947 & 0.5720 & 1.8798 & 0.4494 & 0.5573 & 0.3966 & 0.4602 & 0.6723 & 0.8052 & 0.5010 & 0.5745 \\ 0.4311 & 0.7006 & 0.5642 & 1.7868 & 0.4487 & 0.5578 & 0.3983 & 0.4564 & 0.7828 & 1.0930 & 0.5629 & 0.6648 \\ 0.4311 & 0.7006 & 0.5642 & 1.7868 & 0.4487 & 0.5578 & 0.3983 & 0.4564 & 0.7828 & 1.0930 & 0.5629 & 0.6648 \\ 0.40915 & (\pm 0.0915) & (\pm 0.3070) & (\pm 0.1663) & (\pm 1.0646) & (\pm 0.0564) & (\pm 0.1089) & (\pm 0.1249) & (\pm 0.2254) & (\pm 0.2200) & (\pm 0.5288) & (\pm 0.1040) & (\pm 0.2145) \\ \hline & \text{Avg.} & 0.4281 & 0.6977 & 0.5680 & 1.8650 & 0.4497 & 0.5560 & 0.3981 & 0.4609 & 0.7098 & 0.8961 & 0.5272 & 0.6073 \\ \hline & \text{TopoGCL} & 7 \text{ days} & 0.7170 & 1.1421 & 0.7949 & 1.3189 & 0.6572 & 1.1286 & 0.7158 & 0.7808 & 0.8797 & 1.3818 & 0.6981 & 0.9280 \\ & (\pm 0.0099) & (\pm 0.0705) & (\pm 0.0078) & (\pm 0.0067) & (\pm 0.0039) & (\pm 0.0722) & (\pm 0.0155) & (\pm 0.0566) & (\pm 0.0028) & (\pm 0.0577) & (\pm 0.0162) & (\pm 0.0201) \\ \hline & \text{TopoGCL} & 14 \text{ days} & 0.7069 & 1.0714 & 0.7864 & 1.2371 & 0.6549 & 1.1089 & 0.7192 & 0.9779 & 0.6994 & 0.9483 & 0.6994 & 0.9483 \\ & (\pm 0.0013) & (\pm 0.0109) & (\pm 0.0150) & (\pm 0.1418) & (\pm 0.0035) & (\pm 0.0247) & (\pm 0.0015) & (\pm 0.0312) & (\pm 0.0260) & (\pm 0.0764) & (\pm 0.0764) \\ & 30 \text{ days} & 0.7080 & 1.1429 & 0.7746 & 1.1425 & 0.6706 & 1.4271 & 0.7175 & 1.0777 & 0.7559 & 1.1755 & 0.7559 & 1.1755 \\ & (\pm 0.0018) & (\pm 0.0018) & (\pm 0.0741) & (\pm 0.0035) & (\pm 0.0146) & (\pm 0.0463) & (\pm 0.0036) & (\pm 0.0062) & (\pm 0.0757) & (\pm 0.0062) & (\pm 0$			30 days	(±0.0016)	(±0.0053)	(±0.0018)	(± 0.0033)	(±0.0137)	(±0.0260)	(±0.0084)	(±0.0065)	(±0.0261)	(±0.0738)	(±0.0168)	(±0.0452)
$ \text{AutoST} = \begin{bmatrix} 7 \text{ days} \\ 14 \text{ days} \\ 0.4268 \\ 0.4268 \\ 0.4268 \\ 0.6947 \\ 0.5720 \\ 0.5720 \\ 0.5720 \\ 0.5720 \\ 0.5720 \\ 1.8798 \\ 0.4494 \\ 0.5573 \\ 0.4494 \\ 0.5573 \\ 0.3966 \\ 0.4402 \\ 0.5737 \\ 0.3966 \\ 0.4602 \\ 0.6723 \\ 0.3966 \\ 0.4602 \\ 0.6723 \\ 0.8052 \\ 0.5010 \\ 0.6723 \\ 0.8052 \\ 0.5010 \\ 0.5745 \\ 0.5010 \\ 0.5745 \\ 0.5745 \\ 0.5978 \\ 0.3983 \\ 0.4564 \\ 0.7828 \\ 0.487 \\ 0.5578 \\ 0.3983 \\ 0.4564 \\ 0.7828 \\ 0.487 \\ 0.5578 \\ 0.3983 \\ 0.4564 \\ 0.7828 \\ 0.4938 \\ 0.4949 \\ 0.5828 \\ 0.4930 \\ 0.4931$			Avg.	0.4545	0.6257	0.4409	0.5438	0.4787	0.6941	0.4488	0.4786	0.8917	1.3670	0.6982	0.9555
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			7 days	0.4263	0.6979	0.5679	1.9284	0.4509	0.5528	0.3994	0.4662	0.6743	0.7902	0.5177	0.5825
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$			/ uays	1 '	. ,			, ,				, ,		. ,	
AutoS1 $\begin{pmatrix} (\pm 0.0934) & (\pm 0.3095) & (\pm 0.1743) & (\pm 1.1348) & (\pm 0.0558) & (\pm 0.1098) & (\pm 0.127) & (\pm 0.2338) & (\pm 0.1450) & (\pm 0.3241) & (\pm 0.1625) & (\pm 0.3088) & (\pm 0.198) & (\pm 0.1098) & (\pm 0.1040) & (\pm 0.1089) & (\pm 0.1249) & (\pm 0.2254) & (\pm 0.2200) & (\pm 0.5288) & (\pm 0.1040) & (\pm 0.2145) & (\pm 0.0018) & (\pm 0.0140) & (\pm 0.0189) & (\pm 0.1049) & (\pm 0.0149) & (\pm 0.1049) & (\pm 0.0159) & (\pm 0.0018) & (\pm 0.0018$		4 . 000	14 days	I											
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$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		15,5002	14 days	I											
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$			20 4								. ,		, ,		
Avg. 0.7106 1.1188 0.7853 1.2328 0.6609 1.2215 0.7175 0.9455 0.7783 1.1685 0.7178 1.0173			30 days	I											
			Avg.	0.7106	1.1188	0.7853	1.2328	0.6609	1.2215	0.7175	0.9455	0.7783	1.1685	0.7178	1.0173

Table C: Full prediction results of *BINTS* in terms of MAE and MSE in all datasets. The lowest errors are in bold, and the second lowest errors are <u>underlined</u>.

Datasets		Daegu		Busan		Seoul		NYC Taxi		COVID		NYC COVID	
Model		MAE	MSE										
BINTS	7 days	0.4106	0.4295	0.4130	0.4011	0.3912	0.4434	0.4049	0.4431	0.3278	0.4877	0.3981	0.4258
		(±0.0059)	(± 0.0080)	(±0.0038)	(± 0.0047)	(±0.0035)	(± 0.0034)	(±0.0015)	(± 0.0015)	(±0.0273)	(± 0.0592)	(±0.0128)	(± 0.0179)
	14 days	0.4171	0.4355	0.4169	0.4041	0.3962	0.4570	0.4121	0.4576	0.3394	0.5183	0.4069	0.4381
		(±0.0088)	(± 0.0141)	(±0.0029)	(± 0.0042)	(±0.0025)	(± 0.0031)	(±0.0008)	(± 0.0008)	(±0.0216)	(± 0.0445)	(±0.0243)	(± 0.0249)
	30 days	0.4233	0.4444	0.4260	0.4120	0.4078	0.4800	0.4172	0.4643	0.3559	0.5616	0.4045	0.4393
		(±0.0077)	(± 0.0113)	(±0.0029)	(± 0.0043)	(±0.0043)	(± 0.0044)	(±0.0007)	(± 0.0006)	(±0.0209)	(± 0.0417)	(±0.0081)	(± 0.0089)
	Avg.	0.4170	0.4365	0.4186	0.4057	0.3984	0.4601	0.4114	0.4550	0.3410	0.5225	0.4032	0.4344