Data Set: Traffic
Base Forecast Method: arima
Best L1 Lambda: 0.2
Best L2 Lambda: 2000
level1:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	8.071170	30889.29	116.0394	1.486353	0.06612160
L1	8.061122	30606.60	115.8070	1.483377	0.06605145
L2	8.163053	30421.53	117.0651	1.499360	0.06690270
MinT	8.661228	30971.12	124.0739	1.588636	0.07131954
Bottom-Up	9.161261	32075.77	131.4334	1.682475	0.07593641
OLS	8.146117	33073.89	117.6662	1.507199	0.06661607

Data Set: Traffic
Base Forecast Method: ets
Best L1 Lambda: 4
Best L2 Lambda: 20000
level1:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	11.206680	48211.38	162.3223	2.074680	0.09308631
L1	9.887125	40464.76	142.5745	1.823486	0.08140796
L2	9.393708	38179.68	135.3063	1.731096	0.07713709
MinT	9.737660	39749.79	140.3674	1.795421	0.08011052
Bottom-Up	9.887125	40464.76	142.5745	1.823486	0.08140796
OLS	7.856691	33769.56	113.2477	1.451805	0.06421802

Data Set: Traffic
Base Forecast Method: xg
Best L1 Lambda: 3
Best L2 Lambda: 1500000
level1:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	5.632544	16071.77	81.73780	1.044282	0.04631051
L1	6.216076	18659.62	88.93001	1.141028	0.05036875
L2	6.220229	18679.99	88.98883	1.141794	0.05040151
MinT	5.920830	17430.86	84.90456	1.088531	0.04810439
Bottom-Up	6.216076	18659.62	88.93001	1.141028	0.05036875
OLS	5.680412	16334.47	82.15570	1.050780	0.04654218

Data Set: Traffic
Base Forecast Method: arima
Best L1 Lambda: 0.2
Best L2 Lambda: 2000
level2:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	8.323559	7976.698	60.21133	1.477931	0.03431088
L1	8.326443	7914.357	60.19843	1.477526	0.03433718
L2	8.445219	7882.947	60.97359	1.496357	0.03484966
MinT	8.910960	8010.535	64.22717	1.576071	0.03692187
Bottom-Up	9.340878	8275.741	67.31941	1.651723	0.03889620
OLS	8.509485	8670.478	62.01531	1.521388	0.03511451

Data Set: Traffic
Base Forecast Method: ets
Best L1 Lambda: 4
Best L2 Lambda: 20000
level2:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	11.396601	12407.426	82.93512	2.030981	0.04754812
L1	10.111361	10450.939	73.35043	1.797212	0.04187551
L2	9.638902	9871.148	69.87942	1.712645	0.03983475
MinT	9.966161	10271.993	72.28401	1.771162	0.04124811
Bottom-Up	10.111361	10450.939	73.35043	1.797212	0.04187551
OLS	8.209791	8802.873	59.73107	1.466594	0.03387650

Data Set: Traffic
Base Forecast Method: xg
Best L1 Lambda: 3
Best L2 Lambda: 1500000
level2:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	5.860820	4265.135	42.87736	1.048501	0.02428862
L1	6.471359	4869.043	46.68617	1.146750	0.02643941
L2	6.475261	4874.196	46.71330	1.147431	0.02645450
MinT	6.181773	4578.381	44.72175	1.097388	0.02533486
Bottom-Up	6.471359	4869.043	46.68617	1.146750	0.02643941
OLS	5.975025	4469.891	43.56891	1.066361	0.02467433

Data Set: Traffic
Base Forecast Method: arima
Best L1 Lambda: 0.2
Best L2 Lambda: 2000
level3:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	8.519396	2109.046	30.97093	1.414665	0.01765140
L1	8.522612	2093.737	30.97422	1.414825	0.01767149
L2	8.637145	2086.634	31.35163	1.431944	0.01792397
MinT	9.065474	2121.439	32.83775	1.499506	0.01888145
Bottom-Up	9.458686	2190.830	34.24509	1.563453	0.01978834
OLS	8.790497	2311.234	32.21920	1.471701	0.01824933

Data Set: Traffic
Base Forecast Method: ets
Best L1 Lambda: 4
Best L2 Lambda: 20000
level3:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	11.624050	3276.585	42.60708	1.942360	0.02441704
L1	10.342513	2764.314	37.79646	1.724224	0.02157265
L2	9.876666	2614.530	36.07607	1.646231	0.02056133
MinT	10.199803	2717.785	37.27013	1.700352	0.02126318
Bottom-Up	10.342513	2764.314	37.79646	1.724224	0.02157265
OLS	8.506729	2332.859	31.12708	1.422431	0.01765786

Data Set: Traffic
Base Forecast Method: xg
Best L1 Lambda: 3
Best L2 Lambda: 1500000
level3:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	6.159196	1156.045	22.65251	1.031700	0.01283155
L1	6.751880	1306.930	24.51176	1.120339	0.01388369
L2	6.755723	1308.227	24.52524	1.120965	0.01389119
MinT	6.469031	1234.741	23.54763	1.075679	0.01334192
Bottom-Up	6.751880	1306.930	24.51176	1.120339	0.01388369
OLS	6.417603	1259.564	23.53524	1.073325	0.01333239

Data Set: Traffic
Base Forecast Method: arima
Best L1 Lambda: 0.2
Best L2 Lambda: 2000
level4:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	18.70449	5.640174	1.399874	1.396380	0.0008004381
L1	18.61401	5.650629	1.396967	1.394624	0.0007997762
L2	18.76949	5.707340	1.407640	1.406678	0.0008076359
MinT	18.92767	5.729295	1.419693	1.415032	0.0008192877
Bottom-Up	19.03755	5.750088	1.427065	1.422344	0.0008271920
OLS	19.22153	5.798250	1.431395	1.442325	0.0008127675

Data Set: Traffic
Base Forecast Method: ets
Best L1 Lambda: 4
Best L2 Lambda: 20000
level4:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	19.84103	7.847264	1.548018	1.517701	0.0008869894
L1	18.85160	7.622312	1.480908	1.448562	0.0008463236
L2	18.59235	7.562460	1.462835	1.430070	0.0008352332
MinT	18.75923	7.605781	1.474829	1.443283	0.0008426293
Bottom-Up	18.85160	7.622312	1.480908	1.448562	0.0008463236
OLS	18.63865	7.449730	1.446258	1.426954	0.0008225532

Data Set: Traffic
Base Forecast Method: xg
Best L1 Lambda: 3
Best L2 Lambda: 1500000
level4:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	14.78242	4.088457	1.132611	1.112583	0.0006417078
L1	14.90285	4.074724	1.136251	1.121938	0.0006447092
L2	14.90552	4.075243	1.136418	1.122123	0.0006448002
MinT	14.82974	4.106111	1.132965	1.116951	0.0006428494
Bottom-Up	14.90285	4.074724	1.136251	1.121938	0.0006447092
OLS	14.85405	4.055778	1.133179	1.123602	0.0006423272

Data Set: Traffic
Base Forecast Method: arima
Best L1 Lambda: 0.2
Best L2 Lambda: 2000
level5:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	18.35601	272.4971	3.093337	1.397956	0.001765394
L1	18.26863	270.2434	3.089344	1.396244	0.001765058
L2	18.42270	268.9634	3.120516	1.408481	0.001786595
MinT	19.02487	271.1960	3.141903	1.444667	0.001795716
Bottom-Up	18.71105	282.8048	3.325920	1.428544	0.001924254
OLS	18.86297	293.8137	3.173201	1.443970	0.001799014

Data Set: Traffic
Base Forecast Method: ets
Best L1 Lambda: 4
Best L2 Lambda: 20000
overall:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	19.55895	423.6813	3.904466	1.533557	0.002237916
L1	18.55942	357.2384	3.558661	1.459068	0.002032436
L2	18.29298	337.6454	3.439306	1.438431	0.001961829
MinT	18.46529	351.1404	3.521651	1.453119	0.002010557
Bottom-Up	18.55942	357.2384	3.558661	1.459068	0.002032436
OLS	18.29002	300.4671	3.123043	1.427369	0.001773493

Data Set: Traffic
Base Forecast Method: xg
Best L1 Lambda: 3
Best L2 Lambda: 1500000
overall:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	14.48538	145.1397	2.341182	1.110071	0.001326355
L1	14.62191	166.3786	2.452172	1.122239	0.001389972
L2	14.62463	166.5524	2.453140	1.122440	0.001390509
MinT	14.54159	156.2696	2.391940	1.115827	0.001356095
Bottom-Up	14.62191	166.3786	2.452172	1.122239	0.001389972
OLS	14.56092	150.3559	2.367489	1.121725	0.001341477

Data Set: Labour
Base Forecast Method: arima
Best L1 Lambda: 0.3
Best L2 Lambda: 12000
level1:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	0.6866849	27523.41	84.12175	0.4470191	0.006775348
L1	0.6742536	26674.77	82.61169	0.4389648	0.006653257
L2	0.6675951	25387.27	81.99330	0.4349736	0.006592296
MinT	0.7105345	27508.95	86.97208	0.4625179	0.007011937
Bottom-Up	0.6810620	25439.10	83.66335	0.4438135	0.006727132
OLS	0.6750877	26984.87	82.73369	0.4395622	0.006661465

Data Set: Labour
Base Forecast Method: ets
Best L1 Lambda: 1.2
Best L2 Lambda: 19000
level1:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	0.7366896	27644.50	90.19259	0.4794640	0.007273129
L1	0.7428002	25319.91	91.18820	0.4839110	0.007337669
L2	0.7372305	25360.74	90.48393	0.4802440	0.007282212
MinT	0.8526916	30620.37	103.89027	0.5539339	0.008424025
Bottom-Up	0.7428002	25319.91	91.18820	0.4839110	0.007337669
OLS	0.7199930	28518.70	88.12128	0.4686253	0.007108752

Data Set: Labour
Base Forecast Method: xg
Best L1 Lambda: 31.6227766016838
Best L2 Lambda: 31622.7766016838
level1:

	SMAPE	RMSE	MAE	MASE	msMAPE
Hollyman	0.9479355	48.00774	116.1991	0.6172507	0.009390358
L1	0.9102403	46.27389	111.6538	0.5927052	0.009015392
L2	0.8837598	45.17921	108.4522	0.5756031	0.008750605
MinT	4.3837216	217.81509	539.7980	2.8821079	0.042735128
Bottom-Up	0.9102403	46.27389	111.6538	0.5927052	0.009015392
OLS	0.9158414	47.78410	112.8668	0.5977193	0.009055904

Data Set: Labour
Base Forecast Method: arima
Best L1 Lambda: 0.3
Best L2 Lambda: 12000
level2:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	1.288110	1109.875	15.74460	0.6736995	0.001275442
L1	1.268228	1087.771	15.54212	0.6642485	0.001259239
L2	1.265867	1074.828	15.51983	0.6624673	0.001257923
MinT	1.421277	1135.582	16.32600	0.7365979	0.001323746
Bottom-Up	1.263765	1076.589	15.58579	0.6620363	0.001263586
OLS	1.440924	1096.787	15.94160	0.7415431	0.001291279

Data Set: Labour
Base Forecast Method: ets
Best L1 Lambda: 1.2
Best L2 Lambda: 19000
level2:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	1.337990	1092.613	16.19408	0.6951245	0.001312544
L1	1.270172	1056.228	16.15987	0.6626358	0.001310588
L2	1.271473	1056.579	16.13343	0.6629531	0.001308434
MinT	1.452039	1276.456	18.59099	0.7660198	0.001510727
Bottom-Up	1.270172	1056.228	16.15987	0.6626358	0.001310588
OLS	1.593667	1111.884	16.59923	0.8094704	0.001344616

Data Set: Labour
Base Forecast Method: xg
Best L1 Lambda: 31.6227766016838
Best L2 Lambda: 31622.7766016838
level2:

	SMAPE	RMSE	MAE	MASE	msMAPE
Hollyman	1.474929	8.253730	20.12153	0.7774041	0.001636383
L1	1.484873	8.259942	20.05477	0.7822685	0.001631846
L2	1.463832	8.191250	19.85453	0.7705929	0.001614831
MinT	8.116020	30.475500	75.05653	4.1024544	0.005957659
Bottom-Up	1.484873	8.259942	20.05477	0.7822685	0.001631846
OLS	2.708283	9.123377	22.04824	1.3363981	0.001782303

Data Set: Labour
Base Forecast Method: arima
Best L1 Lambda: 0.3
Best L2 Lambda: 12000
level3:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	1.552348	329.3888	9.293234	0.7498771	0.0007535365
L1	1.545040	325.1755	9.227309	0.7482279	0.0007482988
L2	1.545323	325.0964	9.260490	0.7480076	0.0007518352
MinT	1.669370	339.3617	9.570804	0.7986545	0.0007765757
Bottom-Up	1.543288	325.5802	9.282308	0.7474381	0.0007538092
OLS	1.692428	328.8195	9.410860	0.8035502	0.0007630958

Data Set: Labour
Base Forecast Method: ets
Best L1 Lambda: 1.2
Best L2 Lambda: 19000
level3:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	1.581466	331.7253	9.483413	0.7560126	0.0007694529
L1	1.502242	313.1989	9.297672	0.7221990	0.0007552628
L2	1.503546	313.2762	9.285945	0.7224728	0.0007542943
MinT	1.676546	371.8622	10.388789	0.8076287	0.0008454768
Bottom-Up	1.502242	313.1989	9.297672	0.7221990	0.0007552628
OLS	1.791454	326.6264	9.444505	0.8356072	0.0007660311

Data Set: Labour
Base Forecast Method: xg
Best L1 Lambda: 31.6227766016838
Best L2 Lambda: 31622.7766016838
level3:

	SMAPE	RMSE	MAE	MASE	msMAPE
Hollyman	1.726231	4.645227	11.27230	0.8367995	0.0009179120
L1	1.767061	4.737508	11.44973	0.8570663	0.0009330971
L2	1.744729	4.704191	11.36004	0.8471761	0.0009254002
MinT	8.303146	15.660925	38.53457	3.7989419	0.0030602334
Bottom-Up	1.767061	4.737508	11.44973	0.8570663	0.0009330971
OLS	2.880892	5.068615	12.23948	1.2953890	0.0009909257

Data Set: Labour
Base Forecast Method: arima
Best L1 Lambda: 0.3
Best L2 Lambda: 12000
level4:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	3.258983	184.3469	7.976188	0.9508814	0.0006505027
L1	3.236102	183.9576	7.945278	0.9457057	0.0006483253
L2	3.230097	184.4355	7.917517	0.9428162	0.0006470863
MinT	3.370106	191.1016	8.102534	0.9791582	0.0006611315
Bottom-Up	3.231323	184.5590	7.921869	0.9427270	0.0006476431
OLS	3.439057	185.3688	8.005517	0.9800022	0.0006531530

Data Set: Labour
Base Forecast Method: ets
Best L1 Lambda: 1.2
Best L2 Lambda: 19000
level4:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	3.382912	199.0679	8.213321	0.9816725	0.0006697470
L1	3.262113	176.4229	7.819606	0.9377768	0.0006392155
L2	3.258339	176.4392	7.816966	0.9374673	0.0006389666
MinT	3.528958	199.3013	8.353572	1.0137920	0.0006832112
Bottom-Up	3.262113	176.4229	7.819606	0.9377768	0.0006392155
OLS	3.603293	179.7797	7.911854	0.9971485	0.0006456700

Data Set: Labour
Base Forecast Method: xg
Best L1 Lambda: 31.6227766016838
Best L2 Lambda: 31622.7766016838
level4:

	SMAPE	RMSE	MAE	MASE	msMAPE
Hollyman	3.604640	3.808418	9.236361	1.055784	0.0007554998
L1	3.537393	3.728308	9.013141	1.036662	0.0007379048
L2	3.523677	3.720258	8.994002	1.033564	0.0007360684
MinT	11.803082	8.765502	21.534982	3.015051	0.0017136648
Bottom-Up	3.537393	3.728308	9.013141	1.036662	0.0007379048
OLS	5.247278	3.936545	9.537792	1.316040	0.0007768283

Data Set: Labour
Base Forecast Method: arima
Best L1 Lambda: 0.3
Best L2 Lambda: 12000
overall:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	2.458186	834.5918	10.77208	0.8467167	0.0008745887
L1	2.440280	815.1997	10.68131	0.8418804	0.0008674800
L2	2.436540	791.0417	10.66106	0.8398763	0.0008665230
MinT	2.572527	844.5377	11.05253	0.8853831	0.0008979530
Bottom-Up	2.436599	792.4031	10.70818	0.8397610	0.0008705499
OLS	2.619845	823.7207	10.82486	0.8875225	0.0008789847

Data Set: Labour
Base Forecast Method: ets
Best L1 Lambda: 1.2
Best L2 Lambda: 19000
overall:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	2.543811	843.2137	11.12818	0.8693014	0.0009038005
L1	2.444345	779.4113	10.86767	0.8306849	0.0008835345
L2	2.442677	780.2079	10.84683	0.8305682	0.0008818478
MinT	2.670533	932.6219	12.03777	0.9130789	0.0009807057
Bottom-Up	2.444345	779.4113	10.86767	0.8306849	0.0008835345
OLS	2.762070	848.9955	10.96854	0.9161905	0.0008909406

Data Set: Labour
Base Forecast Method: xg
Best L1 Lambda: 31.6227766016838
Best L2 Lambda: 31622.7766016838
overall:

	SMAPE	RMSE	MAE	MASE	msMAPE
Hollyman	2.731852	5.442642	13.21214	0.9475501	0.001076211
L1	2.706294	5.394025	13.04751	0.9427561	0.001063380
L2	2.688908	5.351307	12.92732	0.9363018	0.001053155
MinT	10.172997	17.415613	42.91093	3.3853760	0.003406972
Bottom-Up	2.706294	5.394025	13.04751	0.9427561	0.001063380
OLS	4.150689	5.751551	13.86480	1.3004984	0.001123292

Data Set: TourismSmall
Base Forecast Method: arima
Best L1 Lambda: 35
Best L2 Lambda: 7000
level1:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	7.291455	2.939749e+07	4.960882e+03	1.772425e+00	0.05919100
L1	6.894940	2.711952e+07	4.736009e+03	1.692492e+00	0.05648462
L2	200.000000	4.795448e+31	5.012889e+15	1.704661e+12	0.89451417
MinT	200.000000	3.682281e+33	4.364759e+16	1.484087e+13	0.88686079
Bottom-Up	6.595221	2.749886e+07	4.556303e+03	1.644283e+00	0.05424963
OLS	7.204407	2.759507e+07	4.970349e+03	1.770551e+00	0.05903537

Data Set: TourismSmall
Base Forecast Method: arima
Best L1 Lambda: 35
Best L2 Lambda: 7000
level2:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	9.220900	4.293341e+06	1.508045e+03	1.200209e+00	0.01800200
L1	9.004354	4.099928e+06	1.503960e+03	1.192435e+00	0.01794235
L2	105.635712	1.227309e+31	1.479038e+15	1.168884e+12	0.27400277
MinT	118.163745	9.472488e+32	1.329827e+16	1.062625e+13	0.28268619
Bottom-Up	9.002474	4.258177e+06	1.523103e+03	1.213114e+00	0.01814514
OLS	10.533984	4.118839e+06	1.551455e+03	1.265776e+00	0.01843111

Data Set: TourismSmall
Base Forecast Method: arima
Best L1 Lambda: 35
Best L2 Lambda: 7000
level3:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	21.54608	2.524430e+05	3.327043e+02	9.560048e-01	0.003972656
L1	21.99869	2.419771e+05	3.260246e+02	9.603687e-01	0.003889911
L2	34.40611	1.753299e+30	2.112911e+14	8.601162e+11	0.039143253
MinT	73.01419	1.353213e+32	1.899753e+15	7.705302e+12	0.040383741
Bottom-Up	21.54731	2.503018e+05	3.259249e+02	9.475345e-01	0.003883877
OLS	24.46189	2.428421e+05	3.304313e+02	1.004087e+00	0.003925585

Data Set: TourismSmall
Base Forecast Method: arima
Best L1 Lambda: 35
Best L2 Lambda: 7000
level4:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	29.60787	1.090532e+05	2.128608e+02	9.442458e-01	0.002541635
L1	28.15733	1.036849e+05	2.044305e+02	9.193892e-01	0.002439212
L2	40.26969	5.284786e+29	1.056456e+14	7.845833e+11	0.019571626
MinT	81.36769	4.355165e+31	1.290888e+15	1.040844e+13	0.029842700
Bottom-Up	27.79886	1.056065e+05	2.033837e+02	9.097301e-01	0.002423778
OLS	30.11240	1.037415e+05	2.073196e+02	9.587589e-01	0.002462960

Data Set: TourismSmall
Base Forecast Method: arima
Best L1 Lambda: 35
Best L2 Lambda: 7000
overall:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	25.90457	6.713060e+05	3.621234e+02	9.687546e-01	0.004323202
L1	25.12007	6.303477e+05	3.520072e+02	9.532399e-01	0.004199634
L2	43.15749	1.974539e+30	2.557454e+14	8.359564e+11	0.046994914
MinT	81.72633	1.539232e+32	2.498016e+15	9.617603e+12	0.054152151
Bottom-Up	24.74905	6.455503e+05	3.501584e+02	9.435122e-01	0.004172026
OLS	27.19739	6.368486e+05	3.599791e+02	9.959393e-01	0.004276426

Data Set: TourismSmall
Base Forecast Method: ets
Best L1 Lambda: 65
Best L2 Lambda: 1500000
level1:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	6.437219	26174094	4386.770	1.568961	0.05288550
L1	6.181139	23110853	4227.546	1.514686	0.05067498
L2	5.834012	21713821	3984.188	1.439194	0.04764549
MinT	6.509448	26210575	4464.348	1.585189	0.05367849
Bottom-Up	5.698269	21100222	3881.664	1.406131	0.04641704
OLS	6.394443	24850952	4365.564	1.553224	0.05257069

Data Set: TourismSmall
Base Forecast Method: ets
Best L1 Lambda: 65
Best L2 Lambda: 1500000
level2:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	9.506522	3591886	1385.526	1.128971	0.01673828
L1	8.847758	3144066	1304.074	1.075259	0.01565098
L2	9.032476	3134138	1317.001	1.095473	0.01577286
MinT	14.988125	4984280	1710.092	1.539562	0.02057828
Bottom-Up	8.968215	3094691	1307.321	1.089100	0.01565716
OLS	9.687973	3385731	1372.925	1.129607	0.01655591

Data Set: TourismSmall
Base Forecast Method: ets
Best L1 Lambda: 65
Best L2 Lambda: 1500000
level3:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	20.69227	212146.0	307.6683	0.9114676	0.003716973
L1	20.91705	205012.3	300.6827	0.8916440	0.003612714
L2	20.85494	198891.4	295.4158	0.8830965	0.003541663
MinT	29.42543	413450.3	384.4773	1.6243398	0.004626554
Bottom-Up	20.71855	198216.2	294.1644	0.8793093	0.003526793
OLS	22.15561	205428.8	303.3526	0.9232409	0.003659760

Data Set: TourismSmall
Base Forecast Method: ets
Best L1 Lambda: 65
Best L2 Lambda: 1500000
level4:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	27.18601	94029.68	197.5040	0.9160638	0.002385219
L1	27.05456	84300.88	189.0195	0.8731584	0.002270599
L2	27.06073	81775.70	185.9563	0.8658750	0.002229126
MinT	34.60551	191707.55	240.2757	1.4012601	0.002891179
Bottom-Up	26.88085	81606.81	185.3695	0.8627730	0.002222286
OLS	28.22068	83409.95	189.0636	0.8930780	0.002279894

Data Set: TourismSmall
Base Forecast Method: ets
Best L1 Lambda: 65
Best L2 Lambda: 1500000
overall:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	24.11532	581431.3	332.6271	0.9315226	0.004016698
L1	24.07084	518520.3	319.6410	0.8952654	0.003838072
L2	24.05958	498862.6	313.9032	0.8880538	0.003761062
MinT	31.77845	769212.6	399.1632	1.4797249	0.004802710
Bottom-Up	23.89908	489876.6	311.5533	0.8842526	0.003733077
OLS	25.23440	548503.8	325.1539	0.9206153	0.003920693

Data Set: TourismSmall
Base Forecast Method: xg
Best L1 Lambda: 250
Best L2 Lambda: 1e+06
level1:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	5.387347	23620672	3684.555	1.342375	0.04463229
L1	5.722184	25320092	3925.476	1.421934	0.04761208
L2	5.653929	24359589	3884.786	1.399757	0.04728121
MinT	5.562040	24226693	3824.625	1.380097	0.04660278
Bottom-Up	5.722184	25320092	3925.476	1.421934	0.04761208
OLS	6.856374	33220466	4816.497	1.686864	0.06002783

Data Set: TourismSmall
Base Forecast Method: xg
Best L1 Lambda: 250
Best L2 Lambda: 1e+06
level2:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	8.963531	3700645	1349.321	1.133306	0.01636428
L1	8.850470	3737143	1343.005	1.123024	0.01630874
L2	8.219236	3578007	1287.816	1.065935	0.01568798
MinT	8.760142	3877305	1363.735	1.134662	0.01663499
Bottom-Up	8.850470	3737143	1343.005	1.123024	0.01630874
OLS	9.283368	5514265	1599.947	1.304092	0.01992340

Data Set: TourismSmall
Base Forecast Method: xg
Best L1 Lambda: 250
Best L2 Lambda: 1e+06
level3:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	22.68782	254025.0	330.8473	0.9935238	0.004018229
L1	21.30263	249214.9	321.4388	0.9332560	0.003908754
L2	21.37462	245205.9	316.9976	0.9292239	0.003867470
MinT	21.29245	254487.9	324.3849	0.9394492	0.003962684
Bottom-Up	21.30263	249214.9	321.4388	0.9332560	0.003908754
OLS	25.54012	297377.1	357.4715	1.0806294	0.004452207

Data Set: TourismSmall
Base Forecast Method: xg
Best L1 Lambda: 250
Best L2 Lambda: 1e+06
level4:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	29.24292	107008.4	205.0304	0.9617656	0.002490622
L1	26.70099	106009.0	198.0605	0.9020381	0.002408616
L2	26.52054	105202.7	196.5351	0.8978801	0.002397831
MinT	26.96939	107531.0	200.0931	0.9108880	0.002444658
Bottom-Up	26.70099	106009.0	198.0605	0.9020381	0.002408616
OLS	30.93547	118049.6	214.6741	1.0198098	0.002673213

Data Set: TourismSmall
Base Forecast Method: xg
Best L1 Lambda: 250
Best L2 Lambda: 1e+06
overall:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	26.00117	578971.0	335.1378	0.9837431	0.004068255
L1	23.96465	597563.9	330.2154	0.9276329	0.004013199
L2	23.84462	577851.0	324.9208	0.9209331	0.003961807
MinT	24.12446	594194.5	332.2197	0.9352028	0.004056166
Bottom-Up	23.96465	597563.9	330.2154	0.9276329	0.004013199
OLS	27.99438	788931.0	373.5644	1.0592158	0.004652620

Data Set: Wiki2
Base Forecast Method: arima
Best L1 Lambda: 280
Best L2 Lambda: 1e+10
level1:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	26.00073	7689605262	44570.46	1.732323	0.1941011
L1	26.03613	7715182951	44663.71	1.737838	0.1906323
L2	26.08468	7736042378	44764.01	1.741605	0.1909851
MinT	24.62174	7299164775	42139.20	1.641239	0.1809064
Bottom-Up	26.08528	7736223728	44765.01	1.741642	0.1909895
OLS	24.93973	7452577516	42410.07	1.653311	0.1839692

Data Set: Wiki2
Base Forecast Method: arima
Best L1 Lambda: 280
Best L2 Lambda: 1e+10
level2:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	35.30527	1234267730	10769.556	2.012437	0.04881484
L1	34.57025	1217929889	10728.307	1.968363	0.04769918
L2	34.60216	1218793713	10736.299	1.969908	0.04771230
MinT	31.45199	1152588755	9720.971	1.734198	0.04328472
Bottom-Up	34.60224	1218799422	10736.353	1.969921	0.04771234
OLS	33.10228	1177288292	9950.557	1.747769	0.04520101

Data Set: Wiki2
Base Forecast Method: arima
Best L1 Lambda: 280
Best L2 Lambda: 1e+10
level3:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	46.50289	403302179	4656.416	3.913043	0.02160239
L1	37.66705	400103661	4410.860	3.821486	0.01995892
L2	37.53551	400090871	4407.202	3.820129	0.01993752
MinT	38.69334	369373149	4127.213	3.610044	0.01883864
Bottom-Up	37.53573	400091785	4407.212	3.820143	0.01993748
OLS	45.26557	367704883	4193.983	3.751046	0.01949770

Data Set: Wiki2
Base Forecast Method: arima
Best L1 Lambda: 280
Best L2 Lambda: 1e+10
level4:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	44.03647	302886472	3520.664	3.128310	0.01635213
L1	36.45257	300155118	3332.634	3.039281	0.01509157
L2	36.35060	300145666	3329.888	3.038218	0.01507548
MinT	37.19053	277122053	3118.354	2.877264	0.01424513
Bottom-Up	36.35267	300146202	3329.897	3.038268	0.01507546
OLS	67.17364	274859508	3237.149	5.166935	0.01508124

Data Set: Wiki2
Base Forecast Method: arima
Best L1 Lambda: 280
Best L2 Lambda: 1e+10
level5:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	64.18069	49875548	822.9936	6.166090	0.003883109
L1	52.01419	48198277	685.9885	4.705143	0.003174536
L2	52.43364	48196600	684.8796	4.704636	0.003168928
MinT	58.53130	49148190	793.0627	5.226372	0.003738546
Bottom-Up	52.43984	48196610	684.8799	4.704646	0.003168921
OLS	89.31200	47754262	814.1519	7.410968	0.003904069

Data Set: Wiki2
Base Forecast Method: arima
Best L1 Lambda: 280
Best L2 Lambda: 1e+10
overall:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	59.08977	186458585	2014.815	5.448416	0.009300255
L1	48.18319	184211521	1865.882	4.326879	0.008414403
L2	48.47636	184338826	1865.129	4.326312	0.008408467
MinT	53.17629	175309406	1852.034	4.673555	0.008454147
Bottom-Up	48.48132	184340064	1865.138	4.326327	0.008408479
OLS	80.63970	175350566	1896.580	6.609600	0.008812532

Data Set: Wiki2
Base Forecast Method: ets
Best L1 Lambda: 10000
Best L2 Lambda: 3.16227766016838e+22
level1:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	165.89532	4.631201e+13	2352522.32	89.616892	0.7219905
L1	39.01726	3.019553e+12	179394.15	6.483640	0.2370199
L2	39.01572	3.018794e+12	179376.40	6.483010	0.2370129
MinT	38.83852	4.513894e+10	81130.58	3.139316	0.2519265
Bottom-Up	39.01726	3.019553e+12	179394.15	6.483640	0.2370199
OLS	37.53585	3.640327e+10	76957.79	2.975327	0.2381591

Data Set: Wiki2
Base Forecast Method: ets
Best L1 Lambda: 10000
Best L2 Lambda: 3.16227766016838e+22
level2:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	105.57799	7.577943e+12	442425.98	44.305536	0.15379025
L1	46.14563	5.030182e+11	35874.66	4.871969	0.06054523
L2	46.14572	5.029877e+11	35873.74	4.871878	0.06054516
MinT	57.17216	3.283119e+09	19433.59	3.287179	0.06519854
Bottom-Up	46.14563	5.030182e+11	35874.66	4.871969	0.06054523
OLS	57.83902	2.767736e+09	19131.10	3.579732	0.06197616

Data Set: Wiki2
Base Forecast Method: ets
Best L1 Lambda: 10000
Best L2 Lambda: 3.16227766016838e+22
level3:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	91.43117	2.512526e+12	150949.370	73.162887	0.05421530
L1	45.00835	1.679060e+11	12874.276	5.855071	0.02361759
L2	45.01248	1.679027e+11	12874.274	5.855162	0.02361767
MinT	70.58414	8.449202e+08	8070.767	5.531554	0.02800947
Bottom-Up	45.00835	1.679060e+11	12874.276	5.855071	0.02361759
OLS	74.51411	1.314255e+09	8185.490	6.484888	0.02640002

Data Set: Wiki2
Base Forecast Method: ets
Best L1 Lambda: 10000
Best L2 Lambda: 3.16227766016838e+22
level4:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	97.62650	1.884392e+12	113316.552	57.447067	0.04071907
L1	43.88577	1.259298e+11	9678.499	4.861856	0.01778710
L2	43.96476	1.259274e+11	9678.531	4.863622	0.01778727
MinT	89.40325	6.046599e+08	6272.253	20.746544	0.02187342
Bottom-Up	43.88577	1.259298e+11	9678.499	4.861856	0.01778710
OLS	93.67265	9.321682e+08	6296.223	19.302596	0.02041635

Data Set: Wiki2
Base Forecast Method: ets
Best L1 Lambda: 10000
Best L2 Lambda: 3.16227766016838e+22
level5:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	116.32885	1.059390e+12	53712.943	257.598797	0.020323879
L1	48.83098	2.014802e+10	1724.205	6.373988	0.003528728
L2	48.93223	2.014796e+10	1724.215	6.375556	0.003528761
MinT	91.75414	3.419603e+10	3113.050	35.819032	0.006249629
Bottom-Up	48.83098	2.014802e+10	1724.205	6.373988	0.003528728
OLS	112.17377	1.681657e+10	2757.636	23.263227	0.005628361

Data Set: Wiki2
Base Forecast Method: ets
Best L1 Lambda: 10000
Best L2 Lambda: 3.16227766016838e+22
overall:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	111.74617	1.714267e+12	92968.369	209.502167	0.033399230
L1	47.75853	7.590195e+10	5614.542	6.099947	0.009957826
L2	47.84474	7.589658e+10	5614.436	6.101344	0.009957841
MinT	88.24716	2.625107e+10	4826.621	30.116594	0.013114044
Bottom-Up	47.75853	7.590195e+10	5614.542	6.099947	0.009957826
OLS	104.52278	1.317349e+10	4541.900	20.572503	0.012158106

Data Set: Wiki2
Base Forecast Method: xg
Best L1 Lambda: 3162.27766016838
Best L2 Lambda: 1e+10
level1:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	39.99846	12610149644	73977.53	2.810612	0.2936500
L1	40.62184	13576284778	79411.92	2.990639	0.3135761
L2	40.60818	13565778194	79372.98	2.989200	0.3134804
MinT	32.56927	8934299461	58490.43	2.226142	0.2469902
Bottom-Up	40.62184	13576284778	79411.92	2.990639	0.3135761
OLS	27.17123	7480644510	46957.35	1.813197	0.1992626

Data Set: Wiki2
Base Forecast Method: xg
Best L1 Lambda: 3162.27766016838
Best L2 Lambda: 1e+10
level2:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	55.22665	1790181800	18590.12	2.919371	0.07547596
L1	48.89630	1623402503	17314.09	2.650444	0.06759272
L2	48.88701	1622892776	17308.85	2.649732	0.06758432
MinT	43.22256	1330686138	13977.43	2.200352	0.05857978
Bottom-Up	48.89630	1623402503	17314.09	2.650444	0.06759272
OLS	44.29120	1258639522	12764.08	2.146045	0.05563207

Data Set: Wiki2
Base Forecast Method: xg
Best L1 Lambda: 3162.27766016838
Best L2 Lambda: 1e+10
level3:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	63.93877	532833522	7786.043	4.806312	0.03195273
L1	55.00783	481914669	6819.130	4.466355	0.02658225
L2	54.99479	481886462	6817.666	4.465695	0.02658140
MinT	50.61390	425364326	5809.691	4.049308	0.02448454
Bottom-Up	55.00783	481914669	6819.130	4.466355	0.02658225
OLS	65.96739	417452567	5944.239	4.557122	0.02645563

Data Set: Wiki2
Base Forecast Method: xg
Best L1 Lambda: 3162.27766016838
Best L2 Lambda: 1e+10
level4:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	59.30877	399417427	5864.079	3.860359	0.02406882
L1	52.17949	361389997	5141.221	3.605086	0.02004463
L2	51.99152	361371708	5140.078	3.600457	0.02004385
MinT	48.26894	319033090	4380.154	3.268120	0.01846511
Bottom-Up	52.17949	361389997	5141.221	3.605086	0.02004463
OLS	89.89550	313471546	4767.928	12.710295	0.02131412

Data Set: Wiki2
Base Forecast Method: xg
Best L1 Lambda: 3162.27766016838
Best L2 Lambda: 1e+10
level5:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	72.71694	76903094	1447.231	9.868022	0.006153708
L1	58.72643	57164391	1009.413	4.803277	0.003933562
L2	58.65842	57163990	1009.264	4.800217	0.003933700
MinT	64.55774	60551160	1095.575	7.699544	0.004779813
Bottom-Up	58.72643	57164391	1009.413	4.803277	0.003933562
OLS	112.61801	54755077	1208.364	14.170157	0.005582500

Data Set: Wiki2
Base Forecast Method: xg
Best L1 Lambda: 3162.27766016838
Best L2 Lambda: 1e+10
overall:

	SMAPE	MSE	MAE	MASE	msMAPE
Hollyman	69.61411	271677016	3434.621	8.440666	0.01418273
L1	57.21313	247433077	2918.805	4.554278	0.01140060
L2	57.13767	247359853	2918.068	4.551324	0.01139979
MinT	60.52799	207610263	2594.922	6.641620	0.01105189
Bottom-Up	57.21313	247433077	2918.805	4.554278	0.01140060
OLS	103.16847	192377922	2644.337	12.699941	0.01185010