===== 95% Confidence Intervals for MSE =====

--- GSPM on Electricity (MSE) ---

MSE: mean=0.1354, std=0.0005, 95% CI=[0.1347, 0.1361]

--- iTransformer on Electricity (MSE) ---

MSE: mean=0.1482, std=0.0008, 95% CI=[0.1472, 0.1492]

--- S-Mamba on Electricity (MSE) ---

MSE: mean=0.1396, std=0.0011, 95% CI=[0.1382, 0.1410]

--- PatchTST on Electricity (MSE) ---

MSE: mean=0.1750, std=0.0000, 95% CI=[0.1750, 0.1750]

--- GSPM on Traffic (MSE) ---

MSE: mean=0.3806, std=0.0015, 95% CI=[0.3787, 0.3825]

--- iTransformer on Traffic (MSE) ---

MSE: mean=0.3926, std=0.0005, 95% CI=[0.3919, 0.3933]

--- S-Mamba on Traffic (MSE) ---

MSE: mean=0.3796, std=0.0035, 95% CI=[0.3752, 0.3840]

--- GSPM on Weather (MSE) ---

MSE: mean=0.1618, std=0.0013, 95% CI=[0.1602, 0.1634]

--- iTransformer on Weather (MSE) ---

MSE: mean=0.1750, std=0.0020, 95% CI=[0.1725, 0.1775]

--- S-Mamba on Weather (MSE) ---

MSE: mean=0.1658, std=0.0008, 95% CI=[0.1648, 0.1668]

--- PatchTST on Weather (MSE) ---

MSE: mean=0.1882, std=0.0004, 95% CI=[0.1876, 0.1888]

--- GSPM on Exchange (MSE) ---

MSE: mean=0.0834, std=0.0045, 95% CI=[0.0778, 0.0890]

--- iTransformer on Exchange (MSE) ---

MSE: mean=0.0872, std=0.0011, 95% CI=[0.0858, 0.0886]

--- S-Mamba on Exchange (MSE) ---

MSE: mean=0.0872, std=0.0008, 95% CI=[0.0862, 0.0882]

--- GSPM on ETTh1 (MSE) ---

MSE: mean=0.3734, std=0.0028, 95% CI=[0.3699, 0.3769]

--- iTransformer on ETTh1 (MSE) ---

MSE: mean=0.3872, std=0.0008, 95% CI=[0.3862, 0.3882]

--- S-Mamba on ETTh1 (MSE) ---

MSE: mean=0.3868, std=0.0008, 95% CI=[0.3858, 0.3878]

--- PatchTST on ETTh1 (MSE) ---

MSE: mean=0.3954, std=0.0015, 95% CI=[0.3935, 0.3973]

--- GSPM on ETTh2 (MSE) ---

MSE: mean=0.2494, std=0.0015, 95% CI=[0.2475, 0.2513]

--- iTransformer on ETTh2 (MSE) ---

MSE: mean=0.2996, std=0.0017, 95% CI=[0.2975, 0.3017]

--- S-Mamba on ETTh2 (MSE) ---

MSE: mean=0.2964, std=0.0013, 95% CI=[0.2947, 0.2981]

--- PatchTST on ETTh2 (MSE) ---

MSE: mean=0.2958, std=0.0004, 95% CI=[0.2952, 0.2964]

--- GSPM on ETTm1 (MSE) ---

MSE: mean=0.3112, std=0.0022, 95% CI=[0.3085, 0.3139]

--- iTransformer on ETTm1 (MSE) ---

MSE: mean=0.3440, std=0.0022, 95% CI=[0.3412, 0.3468]

--- S-Mamba on ETTm1 (MSE) ---

MSE: mean=0.3324, std=0.0015, 95% CI=[0.3305, 0.3343]

--- PatchTST on ETTm1 (MSE) ---

MSE: mean=0.3320, std=0.0064, 95% CI=[0.3240, 0.3400]

--- GSPM on ETTm2 (MSE) ---

MSE: mean=0.1748, std=0.0011, 95% CI=[0.1734, 0.1762]

--- iTransformer on ETTm2 (MSE) ---

MSE: mean=0.1844, std=0.0005, 95% CI=[0.1837, 0.1851]

--- S-Mamba on ETTm2 (MSE) ---

MSE: mean=0.1800, std=0.0019, 95% CI=[0.1777, 0.1823]

--- PatchTST on ETTm2 (MSE) ---

MSE: mean=0.1780, std=0.0007, 95% CI=[0.1771, 0.1789]

--- GSPM on Illness (MSE) ---

MSE: mean=0.9660, std=0.1766, 95% CI=[0.7467, 1.1853]

--- iTransformer on Illness (MSE) ---

MSE: mean=2.8264, std=0.1257, 95% CI=[2.6704, 2.9824]

--- S-Mamba on Illness (MSE) ---

MSE: mean=2.8548, std=0.0261, 95% CI=[2.8224, 2.8872]

--- PatchTST on Illness (MSE) ---

MSE: mean=1.6194, std=0.0607, 95% CI=[1.5440, 1.6948]

--- GSPM on Solar (MSE) ---

MSE: mean=0.1994, std=0.0061, 95% CI=[0.1918, 0.2070]

--- iTransformer on Solar (MSE) ---

MSE: mean=0.2036, std=0.0019, 95% CI=[0.2012, 0.2060]

--- S-Mamba on Solar (MSE) ---

MSE: mean=0.2062, std=0.0013, 95% CI=[0.2046, 0.2078]

--- PatchTST on Solar (MSE) ---

MSE: mean=0.2088, std=0.0054, 95% CI=[0.2021, 0.2155]

--- GSPM on PEMS03 (MSE) ---

MSE: mean=0.1856, std=0.0026, 95% CI=[0.1824, 0.1888]

--- iTransformer on PEMS03 (MSE) ---

MSE: mean=1.1642, std=0.5351, 95% CI=[0.4998, 1.8286]

--- S-Mamba on PEMS03 (MSE) ---

MSE: mean=0.2104, std=0.0046, 95% CI=[0.2047, 0.2161]

--- PatchTST on PEMS03 (MSE) ---

MSE: mean=0.4996, std=0.0021, 95% CI=[0.4970, 0.5022]

--- GSPM on PEMS04 (MSE) ---

MSE: mean=0.1634, std=0.0015, 95% CI=[0.1615, 0.1653]

--- iTransformer on PEMS04 (MSE) ---

MSE: mean=0.1690, std=0.0046, 95% CI=[0.1632, 0.1748]

--- S-Mamba on PEMS04 (MSE) ---

MSE: mean=0.1246, std=0.0015, 95% CI=[0.1227, 0.1265]

--- PatchTST on PEMS04 (MSE) ---

MSE: mean=0.6158, std=0.0015, 95% CI=[0.6140, 0.6176]

--- GSPM on PEMS07 (MSE) ---

MSE: mean=0.1396, std=0.0058, 95% CI=[0.1324, 0.1468]

--- iTransformer on PEMS07 (MSE) ---

MSE: mean=0.1546, std=0.0018, 95% CI=[0.1523, 0.1569]

--- S-Mamba on PEMS07 (MSE) ---

MSE: mean=0.1324, std=0.0025, 95% CI=[0.1293, 0.1355]

--- GSPM on PEMS08 (MSE) ---

MSE: mean=0.2374, std=0.0141, 95% CI=[0.2199, 0.2549]

--- iTransformer on PEMS08 (MSE) ---

MSE: mean=0.4794, std=0.0061, 95% CI=[0.4718, 0.4870]

--- S-Mamba on PEMS08 (MSE) ---

MSE: mean=0.2832, std=0.0040, 95% CI=[0.2782, 0.2882]

--- PatchTST on PEMS08 (MSE) ---

MSE: mean=0.6500, std=0.0012, 95% CI=[0.6485, 0.6515]

===== 95% Confidence Intervals for MAE =====

--- GSPM on Electricity (MAE) ---

MAE: mean=0.2376, std=0.0011, 95% CI=[0.2362, 0.2390]

--- iTransformer on Electricity (MAE) ---

MAE: mean=0.2396, std=0.0005, 95% CI=[0.2389, 0.2403]

--- S-Mamba on Electricity (MAE) ---

MAE: mean=0.2364, std=0.0005, 95% CI=[0.2357, 0.2371]

--- PatchTST on Electricity (MAE) ---

MAE: mean=0.2606, std=0.0005, 95% CI=[0.2599, 0.2613]

--- GSPM on Traffic (MAE) ---

MAE: mean=0.2604, std=0.0011, 95% CI=[0.2590, 0.2618]

--- iTransformer on Traffic (MAE) ---

MAE: mean=0.2682, std=0.0004, 95% CI=[0.2676, 0.2688]

--- S-Mamba on Traffic (MAE) ---

MAE: mean=0.2580, std=0.0014, 95% CI=[0.2562, 0.2598]

--- GSPM on Weather (MAE) ---

MAE: mean=0.2066, std=0.0009, 95% CI=[0.2055, 0.2077]

--- iTransformer on Weather (MAE) ---

MAE: mean=0.2156, std=0.0025, 95% CI=[0.2125, 0.2187]

--- S-Mamba on Weather (MAE) ---

MAE: mean=0.2092, std=0.0004, 95% CI=[0.2086, 0.2098]

--- PatchTST on Weather (MAE) ---

MAE: mean=0.2258, std=0.0004, 95% CI=[0.2252, 0.2264]

--- GSPM on Exchange (MAE) ---

MAE: mean=0.2010, std=0.0060, 95% CI=[0.1936, 0.2084]

--- iTransformer on Exchange (MAE) ---

MAE: mean=0.2074, std=0.0011, 95% CI=[0.2060, 0.2088]

--- S-Mamba on Exchange (MAE) ---

MAE: mean=0.2080, std=0.0010, 95% CI=[0.2068, 0.2092]

--- GSPM on ETTh1 (MAE) ---

MAE: mean=0.3960, std=0.0007, 95% CI=[0.3951, 0.3969]

--- iTransformer on ETTh1 (MAE) ---

MAE: mean=0.4048, std=0.0004, 95% CI=[0.4042, 0.4054]

--- S-Mamba on ETTh1 (MAE) ---

MAE: mean=0.4060, std=0.0007, 95% CI=[0.4051, 0.4069]

--- PatchTST on ETTh1 (MAE) ---

MAE: mean=0.4090, std=0.0017, 95% CI=[0.4068, 0.4112]

--- GSPM on ETTh2 (MAE) ---

MAE: mean=0.3204, std=0.0011, 95% CI=[0.3190, 0.3218]

--- iTransformer on ETTh2 (MAE) ---

MAE: mean=0.3502, std=0.0008, 95% CI=[0.3492, 0.3512]

--- S-Mamba on ETTh2 (MAE) ---

MAE: mean=0.3482, std=0.0008, 95% CI=[0.3472, 0.3492]

--- PatchTST on ETTh2 (MAE) ---

MAE: mean=0.3440, std=0.0007, 95% CI=[0.3431, 0.3449]

--- GSPM on ETTm1 (MAE) ---

MAE: mean=0.3576, std=0.0019, 95% CI=[0.3552, 0.3600]

--- iTransformer on ETTm1 (MAE) ---

MAE: mean=0.3776, std=0.0011, 95% CI=[0.3762, 0.3790]

--- S-Mamba on ETTm1 (MAE) ---

MAE: mean=0.3682, std=0.0013, 95% CI=[0.3666, 0.3698]

--- PatchTST on ETTm1 (MAE) ---

MAE: mean=0.3646, std=0.0017, 95% CI=[0.3625, 0.3667]

--- GSPM on ETTm2 (MAE) ---

MAE: mean=0.2574, std=0.0013, 95% CI=[0.2557, 0.2591]

--- iTransformer on ETTm2 (MAE) ---

MAE: mean=0.2698, std=0.0027, 95% CI=[0.2665, 0.2731]

--- S-Mamba on ETTm2 (MAE) ---

MAE: mean=0.2644, std=0.0024, 95% CI=[0.2614, 0.2674]

--- PatchTST on ETTm2 (MAE) ---

MAE: mean=0.2610, std=0.0007, 95% CI=[0.2601, 0.2619]

--- GSPM on Illness (MAE) ---

MAE: mean=0.6012, std=0.0569, 95% CI=[0.5305, 0.6719]

--- iTransformer on Illness (MAE) ---

MAE: mean=1.1074, std=0.0335, 95% CI=[1.0658, 1.1490]

--- S-Mamba on Illness (MAE) ---

MAE: mean=1.1222, std=0.0085, 95% CI=[1.1116, 1.1328]

--- PatchTST on Illness (MAE) ---

MAE: mean=0.8354, std=0.0376, 95% CI=[0.7887, 0.8821]

--- GSPM on Solar (MAE) ---

MAE: mean=0.2430, std=0.0057, 95% CI=[0.2359, 0.2501]

--- iTransformer on Solar (MAE) ---

MAE: mean=0.2368, std=0.0019, 95% CI=[0.2344, 0.2392]

--- S-Mamba on Solar (MAE) ---

MAE: mean=0.2460, std=0.0010, 95% CI=[0.2448, 0.2472]

--- PatchTST on Solar (MAE) ---

MAE: mean=0.2496, std=0.0066, 95% CI=[0.2414, 0.2578]

--- GSPM on PEMS03 (MAE) ---

MAE: mean=0.2928, std=0.0016, 95% CI=[0.2908, 0.2948]

--- iTransformer on PEMS03 (MAE) ---

MAE: mean=0.8410, std=0.2370, 95% CI=[0.5467, 1.1353]

--- S-Mamba on PEMS03 (MAE) ---

MAE: mean=0.3142, std=0.0043, 95% CI=[0.3089, 0.3195]

--- PatchTST on PEMS03 (MAE) ---

MAE: mean=0.5082, std=0.0011, 95% CI=[0.5068, 0.5096]

--- GSPM on PEMS04 (MAE) ---

MAE: mean=0.2744, std=0.0011, 95% CI=[0.2730, 0.2758]

--- iTransformer on PEMS04 (MAE) ---

MAE: mean=0.2798, std=0.0038, 95% CI=[0.2750, 0.2846]

--- S-Mamba on PEMS04 (MAE) ---

MAE: mean=0.2350, std=0.0019, 95% CI=[0.2327, 0.2373]

--- PatchTST on PEMS04 (MAE) ---

MAE: mean=0.5682, std=0.0011, 95% CI=[0.5668, 0.5696]

--- GSPM on PEMS07 (MAE) ---

MAE: mean=0.2480, std=0.0047, 95% CI=[0.2422, 0.2538]

--- iTransformer on PEMS07 (MAE) ---

MAE: mean=0.2618, std=0.0015, 95% CI=[0.2600, 0.2636]

--- S-Mamba on PEMS07 (MAE) ---

MAE: mean=0.2374, std=0.0034, 95% CI=[0.2332, 0.2416]

--- PatchTST on PEMS07 (MAE) ---

MAE: mean=0.5403, std=0.0257, 95% CI=[0.4765, 0.6042]

--- GSPM on PEMS08 (MAE) ---

MAE: mean=0.2976, std=0.0080, 95% CI=[0.2876, 0.3076]

--- iTransformer on PEMS08 (MAE) ---

MAE: mean=0.4736, std=0.0030, 95% CI=[0.4698, 0.4774]

--- S-Mamba on PEMS08 (MAE) ---

MAE: mean=0.3348, std=0.0013, 95% CI=[0.3332, 0.3364]

--- PatchTST on PEMS08 (MAE) ---

MAE: mean=0.5556, std=0.0005, 95% CI=[0.5549, 0.5563]

===== p-value (MSE) =====

--- p-value: GSPM vs iTransformer on Electricity (MSE) ---

p-value (one-tailed): 0.000000

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than iTransformer。

----------------------------------------

--- p-value: GSPM vs S-Mamba on Electricity (MSE) ---

p-value (one-tailed): 0.001592

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than S-Mamba。

----------------------------------------

--- p-value: GSPM vs PatchTST on Electricity (MSE) ---

p-value (one-tailed): 0.000000

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than PatchTST。

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--- p-value: GSPM vs iTransformer on Traffic (MSE) ---

p-value (one-tailed): 0.000089

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than iTransformer。

----------------------------------------

--- p-value: GSPM vs S-Mamba on Traffic (MSE) ---

p-value (one-tailed): 0.719281

conclusion：result is not statistical significant (p >= 0.05)。

----------------------------------------

--- p-value: GSPM vs iTransformer on Weather (MSE) ---

p-value (one-tailed): 0.000084

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than iTransformer。

----------------------------------------

--- p-value: GSPM vs S-Mamba on Weather (MSE) ---

p-value (one-tailed): 0.000935

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than S-Mamba。

----------------------------------------

--- p-value: GSPM vs PatchTST on Weather (MSE) ---

p-value (one-tailed): 0.000001

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than PatchTST。

----------------------------------------

--- p-value: GSPM vs iTransformer on Exchange (MSE) ---

p-value (one-tailed): 0.082888

conclusion：result is not statistical significant (p >= 0.05)。

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--- p-value: GSPM vs S-Mamba on Exchange (MSE) ---

p-value (one-tailed): 0.079595

conclusion：result is not statistical significant (p >= 0.05)。

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--- p-value: GSPM vs iTransformer on ETTh1 (MSE) ---

p-value (one-tailed): 0.000236

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than iTransformer。

----------------------------------------

--- p-value: GSPM vs S-Mamba on ETTh1 (MSE) ---

p-value (one-tailed): 0.000515

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than S-Mamba。

----------------------------------------

--- p-value: GSPM vs PatchTST on ETTh1 (MSE) ---

p-value (one-tailed): 0.000028

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than PatchTST。

----------------------------------------

--- p-value: GSPM vs iTransformer on ETTh2 (MSE) ---

p-value (one-tailed): 0.000000

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than iTransformer。

----------------------------------------

--- p-value: GSPM vs S-Mamba on ETTh2 (MSE) ---

p-value (one-tailed): 0.000001

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than S-Mamba。

----------------------------------------

--- p-value: GSPM vs PatchTST on ETTh2 (MSE) ---

p-value (one-tailed): 0.000000

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than PatchTST。

----------------------------------------

--- p-value: GSPM vs iTransformer on ETTm1 (MSE) ---

p-value (one-tailed): 0.000034

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than iTransformer。

----------------------------------------

--- p-value: GSPM vs S-Mamba on ETTm1 (MSE) ---

p-value (one-tailed): 0.000030

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than S-Mamba。

----------------------------------------

--- p-value: GSPM vs PatchTST on ETTm1 (MSE) ---

p-value (one-tailed): 0.002610

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than PatchTST。

----------------------------------------

--- p-value: GSPM vs iTransformer on ETTm2 (MSE) ---

p-value (one-tailed): 0.000009

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than iTransformer。

----------------------------------------

--- p-value: GSPM vs S-Mamba on ETTm2 (MSE) ---

p-value (one-tailed): 0.000437

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than S-Mamba。

----------------------------------------

--- p-value: GSPM vs PatchTST on ETTm2 (MSE) ---

p-value (one-tailed): 0.002685

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than PatchTST。

----------------------------------------

--- p-value: GSPM vs iTransformer on Illness (MSE) ---

p-value (one-tailed): 0.000013

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than iTransformer。

----------------------------------------

--- p-value: GSPM vs S-Mamba on Illness (MSE) ---

p-value (one-tailed): 0.000006

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than S-Mamba。

----------------------------------------

--- p-value: GSPM vs PatchTST on Illness (MSE) ---

p-value (one-tailed): 0.001086

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than PatchTST。

----------------------------------------

--- p-value: GSPM vs iTransformer on Solar (MSE) ---

p-value (one-tailed): 0.068792

conclusion：result is not statistical significant (p >= 0.05)。

----------------------------------------

--- p-value: GSPM vs S-Mamba on Solar (MSE) ---

p-value (one-tailed): 0.028823

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than S-Mamba。

----------------------------------------

--- p-value: GSPM vs PatchTST on Solar (MSE) ---

p-value (one-tailed): 0.043216

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than PatchTST。

----------------------------------------

--- p-value: GSPM vs iTransformer on PEMS03 (MSE) ---

p-value (one-tailed): 0.007517

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than iTransformer。

----------------------------------------

--- p-value: GSPM vs S-Mamba on PEMS03 (MSE) ---

p-value (one-tailed): 0.000124

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than S-Mamba。

----------------------------------------

--- p-value: GSPM vs PatchTST on PEMS03 (MSE) ---

p-value (one-tailed): 0.000000

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than PatchTST。

----------------------------------------

--- p-value: GSPM vs iTransformer on PEMS04 (MSE) ---

p-value (one-tailed): 0.032871

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than iTransformer。

----------------------------------------

--- p-value: GSPM vs S-Mamba on PEMS04 (MSE) ---

p-value (one-tailed): 0.999999

conclusion：result is not statistical significant (p >= 0.05)。

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--- p-value: GSPM vs PatchTST on PEMS04 (MSE) ---

p-value (one-tailed): 0.000000

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than PatchTST。

----------------------------------------

--- p-value: GSPM vs iTransformer on PEMS07 (MSE) ---

p-value (one-tailed): 0.003527

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than iTransformer。

----------------------------------------

--- p-value: GSPM vs S-Mamba on PEMS07 (MSE) ---

p-value (one-tailed): 0.988438

conclusion：result is not statistical significant (p >= 0.05)。

----------------------------------------

--- p-value: GSPM vs iTransformer on PEMS08 (MSE) ---

p-value (one-tailed): 0.000003

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than iTransformer。

----------------------------------------

--- p-value: GSPM vs S-Mamba on PEMS08 (MSE) ---

p-value (one-tailed): 0.000976

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than S-Mamba。

----------------------------------------

--- p-value: GSPM vs PatchTST on PEMS08 (MSE) ---

p-value (one-tailed): 0.000000

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than PatchTST。

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===== p-value 计算 (MAE) =====

--- p-value: GSPM vs iTransformer on Electricity (MAE) ---

p-value (one-tailed): 0.001599

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than iTransformer。

----------------------------------------

--- p-value: GSPM vs S-Mamba on Electricity (MAE) ---

p-value (one-tailed): 0.964758

conclusion：result is not statistical significant (p >= 0.05)。

----------------------------------------

--- p-value: GSPM vs PatchTST on Electricity (MAE) ---

p-value (one-tailed): 0.000002

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than PatchTST。

----------------------------------------

--- p-value: GSPM vs iTransformer on Traffic (MAE) ---

p-value (one-tailed): 0.000150

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than iTransformer。

----------------------------------------

--- p-value: GSPM vs S-Mamba on Traffic (MAE) ---

p-value (one-tailed): 0.998059

conclusion：result is not statistical significant (p >= 0.05)。

----------------------------------------

--- p-value: GSPM vs iTransformer on Weather (MAE) ---

p-value (one-tailed): 0.001031

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than iTransformer。

----------------------------------------

--- p-value: GSPM vs S-Mamba on Weather (MAE) ---

p-value (one-tailed): 0.003494

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than S-Mamba。

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--- p-value: GSPM vs PatchTST on Weather (MAE) ---

p-value (one-tailed): 0.000000

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than PatchTST。

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--- p-value: GSPM vs iTransformer on Exchange (MAE) ---

p-value (one-tailed): 0.048984

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than iTransformer。

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--- p-value: GSPM vs S-Mamba on Exchange (MAE) ---

p-value (one-tailed): 0.034294

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than S-Mamba。

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--- p-value: GSPM vs iTransformer on ETTh1 (MAE) ---

p-value (one-tailed): 0.000028

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than iTransformer。

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--- p-value: GSPM vs S-Mamba on ETTh1 (MAE) ---

p-value (one-tailed): 0.000026

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than S-Mamba。

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--- p-value: GSPM vs PatchTST on ETTh1 (MAE) ---

p-value (one-tailed): 0.000065

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than PatchTST。

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--- p-value: GSPM vs iTransformer on ETTh2 (MAE) ---

p-value (one-tailed): 0.000000

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than iTransformer。

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--- p-value: GSPM vs S-Mamba on ETTh2 (MAE) ---

p-value (one-tailed): 0.000002

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than S-Mamba。

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--- p-value: GSPM vs PatchTST on ETTh2 (MAE) ---

p-value (one-tailed): 0.000001

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than PatchTST。

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--- p-value: GSPM vs iTransformer on ETTm1 (MAE) ---

p-value (one-tailed): 0.000053

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than iTransformer。

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--- p-value: GSPM vs S-Mamba on ETTm1 (MAE) ---

p-value (one-tailed): 0.000595

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than S-Mamba。

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--- p-value: GSPM vs PatchTST on ETTm1 (MAE) ---

p-value (one-tailed): 0.004957

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than PatchTST。

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--- p-value: GSPM vs iTransformer on ETTm2 (MAE) ---

p-value (one-tailed): 0.000254

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than iTransformer。

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--- p-value: GSPM vs S-Mamba on ETTm2 (MAE) ---

p-value (one-tailed): 0.000292

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than S-Mamba。

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--- p-value: GSPM vs PatchTST on ETTm2 (MAE) ---

p-value (one-tailed): 0.001061

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than PatchTST。

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--- p-value: GSPM vs iTransformer on Illness (MAE) ---

p-value (one-tailed): 0.000019

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than iTransformer。

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--- p-value: GSPM vs S-Mamba on Illness (MAE) ---

p-value (one-tailed): 0.000012

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than S-Mamba。

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--- p-value: GSPM vs PatchTST on Illness (MAE) ---

p-value (one-tailed): 0.001047

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than PatchTST。

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--- p-value: GSPM vs iTransformer on Solar (MAE) ---

p-value (one-tailed): 0.955840

conclusion：result is not statistical significant (p >= 0.05)。

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--- p-value: GSPM vs S-Mamba on Solar (MAE) ---

p-value (one-tailed): 0.147338

conclusion：result is not statistical significant (p >= 0.05)。

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--- p-value: GSPM vs PatchTST on Solar (MAE) ---

p-value (one-tailed): 0.112784

conclusion：result is not statistical significant (p >= 0.05)。

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--- p-value: GSPM vs iTransformer on PEMS03 (MAE) ---

p-value (one-tailed): 0.003343

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than iTransformer。

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--- p-value: GSPM vs S-Mamba on PEMS03 (MAE) ---

p-value (one-tailed): 0.000279

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than S-Mamba。

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--- p-value: GSPM vs PatchTST on PEMS03 (MAE) ---

p-value (one-tailed): 0.000000

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than PatchTST。

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--- p-value: GSPM vs iTransformer on PEMS04 (MAE) ---

p-value (one-tailed): 0.025726

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than iTransformer。

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--- p-value: GSPM vs S-Mamba on PEMS04 (MAE) ---

p-value (one-tailed): 0.999998

conclusion：result is not statistical significant (p >= 0.05)。

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--- p-value: GSPM vs PatchTST on PEMS04 (MAE) ---

p-value (one-tailed): 0.000000

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than PatchTST。

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--- p-value: GSPM vs iTransformer on PEMS07 (MAE) ---

p-value (one-tailed): 0.001072

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than iTransformer。

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--- p-value: GSPM vs S-Mamba on PEMS07 (MAE) ---

p-value (one-tailed): 0.999104

conclusion：result is not statistical significant (p >= 0.05)。

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--- p-value: GSPM vs iTransformer on PEMS08 (MAE) ---

p-value (one-tailed): 0.000000

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than iTransformer。

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--- p-value: GSPM vs S-Mamba on PEMS08 (MAE) ---

p-value (one-tailed): 0.000277

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than S-Mamba。

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--- p-value: GSPM vs PatchTST on PEMS08 (MAE) ---

p-value (one-tailed): 0.000000

conclusion：result is statistical significant (p < 0.05)。GSPM is significantly better than PatchTST。

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