RMSE Throughput Heatmap 30 -1620.51 2227.28 1626.59 1770.26 1530.06 1533.39 29 -1252.02 2246.86 1086.46 1386.98 1414.31 1553.43 28 -1924.74 1601.30 1448.48 1422.20 1340.29 1435.11 2200 27 -1466.87 2136.22 1362.81 1371.64 1706.77 1718.53 26 -2241.82 1375.88 1435.06 1513.54 1468.46 1664.14 25 -1768.58 1839.49 1688.97 1808.07 1472.77 1670.82 24 -1500.64 2036.48 1749.73 1754.84 1742.43 1458.14 2160.07 23 -2192.69 2053.18 2333.16 1836.02 2007.51 - 2000 22 -2068.95 1952.29 2253.56 2078.40 1843.12 1881.12 21 -2130.15 2150.53 1782.94 2093.31 1834.35 1804.58 20 -1206.22 1885.56 1348.23 1742.06 1321.32 1275.81 19 -1195.02 1550.11 1432.41 1154.10 1371.39 1342.29 - 1800 1511.38 1796.95 1576.11 1662.29 1483.16 1704.94 1462.01 1663.22 1644.90 1527.28 1423.87 1726.24 1979.52 1664.69 1936.99 1973.37 1561.25 1718.89 1238.00 1362.23 1473.74 1545.16 1520.25 1616.72 1274.78 1737.02 1453.63 1480.30 1574.23 1598.15 - 1600

1137.93 1295.14 1253.96 1114.39 1526.63 1721.96 12 -1312.90 1381.71 1251.43 1243.72 1377.52 1510.45 11 -1883.85 1565.43 1897.44 1866.82 1614.80 1664.63 1107.05 1125.74 10 -1257.50 1127.43 1152.38 1236.46 1034.07 9 -1476.19 1415.29 1476.36 1543.16 1274.98 8 -1600.67 1599.39 1660.28 1531.97 1385.13 1475.32 7 -1359.66 1356.20 1572.28 1210.46 1345.73 1548.79 1080.93 1218.57 1184.94 1109.82 1192.07 1496.70 6 -5 -1352.04 1445.51 1395.93 1255.74 1570.99 1696.54

1400

- 1200 1322.14 1288.15 1688.64 1124.54 1681.24 1620.99 4 -3 -1547.43 1789.21 1506.04 1403.02 1702.63 1762.69 2157.12 1719.15 2217.48 1928.29 1703.57 1549.76 2 -1956.39 1796.29 1968.11 1957.66 1728.01 1835.76 1 -**LSTM** MLP RF **GRU** LR **XGBoost**

Model