## RMSE Throughput Heatmap 2106.51 30 -2629.67 3350.27 3887.92 2250.68 29 -1945.11 7540.59 3032.75 2050.97 2006.81 28 -4073.40 2858.75 3523.53 2287.29 2246.60 27 -2562.51 5306.35 3406.67 1705.34 2017.80 26 -1775.81 1466.56 4364.12 2914.59

2706.30

2160.26

1892.78

2617.54

2682.82

3360.00

1696.75

2237.91

1649.62

2151.71

2759.92

2271.99

2018.77

2080.02

1917.12

2390.96

2178.46

2125.31

1453.05

**LSTM** 

4316.67

3851.95

6886.89

5589.49

4839.49

4127.92

1979.99

2291.94

2551.20

2299.64

1936.61

2172.85

2279.18

2511.59

1934.92

1446.30

3223.89

1428.57

1893.53

LR

25 -

24 -

23 -

22 -

21 -

20 -

13 -

12 -

11 -

10 -

9 -

8 -

7 -

6 -

5 -

3 -

2 -

1647.36

1517.79

1208.91

1767.29

1896.85

1893.53

851.83

1203.40

1660.42

1204.64

2634.81

1050.67

1721.02

1262.97

1572.02

1408.75

2070.85

1813.64

1434.28

**GRU** 

 1466.56
 1687.98
 1563.43

 1468.85
 1718.94
 1660.70

 1260.26
 1479.10
 1284.09

 1332.27
 1804.09
 2087.09

1659.43

1549.52

1855.65

1899.01

1377.93

1964.76

1533.84

2076.78

1950.45

2044.06

1817.77

1923.58

1122.61

2021.86

1736.39

1792.84

RF

2172.74

2030.38

2514.42

2297.51

1937.48

2023.35

1690.47

2043.68

1456.34

1978.94

1748.51

2023.12

1922.02

1997.74

1776.22

1923.70

1266.41

2268.73

1687.86

2130.20

**XGBoost** 

7000

- 6000

- 3000

- 2000

1000

19 -2056.74 3175.93 3013.44 1792.18 2204.17 2326.79 - 5000 - 19 - 17 ength - 16 -- 15 -- 14 ength 1592.67 2500.18 2329.39 1824.16 1667.79 1720.91 1331.13 2951.14 1984.01 1064.74 1340.99 1377.44 1446.02 2245.27 2210.27 1759.67 1939.37 1976.72 2048.11 2677.31 2390.39 3064.52 2697.53 1957.66 - 4000 14 -2607.63 2180.47 2905.68 2612.81 1742.51 1811.91

1819.81

2315.19

2174.48

889.19

1747.02

1768.90

1574.78

2770.24

1228.36

1455.53

889.81

1177.75

1349.05

1727.30

1237.30

1454.62

MLP

Model