## Training time Heatmap 0.0164 0.0915 38.6328 30 -26.9270 3.8098 1.0115 3.6778 0.0185 0.0107 1.0532 29 -46.6202 31.6669 3.5212 1.6249 80 0.0143 28 -0.0043 2.7372 0.9872 21.4410 26.1847 2.2271 27 -0.0147 0.0044 3.8713 1.0084 8.4510 18.3366 45.3907 0.0182 0.0078 1.1876 26 -39.5828 3.8478 6.0823 31.3298 0.0175 0.0041 10.6362 25 -29.0981 37.1407 3.8456 0.9548 - 70 24 -0.0153 0.0227 3.1488 1.0293 3.1655 29.9785 35.3881 0.0134 23 -27.0231 0.0036 34.3698 3.5508 0.8262 2.3425 0.0136 0.0045 3.1058 1.0531 3.7307 22 -48.0218 35.7350 - 60 0.0114 0.0075 2.9426 0.7666 6.0219 21 -30.2070 34.2138 20 -0.0191 0.0038 0.8537 8.0371 28.0149 30.4799 3.5226 19 -0.0139 26.0395 0.0060 24.8542 3.9999 0.8951 7.6486 sequence length 18 -0.0115 0.0041 6.3365 0.8603 8.5376 24.8071 26.6735 - 50 17 -0.0091 0.0106 4.1423 0.6898 3.1634 26.2796 25.6542 16 -0.0092 0.0019 20.8899 4.5467 0.6222 7.4129 26.2663 15 -0.0075 20.1512 0.0019 29.2767 3.0833 0.5702 3.7019 - 40 14 -0.0093 48.5844 0.0018 35.8074 4.2810 0.6893 13.6055 13 -0.0093 30.4149 0.0027 36.9357 4.2627 0.5449 11.8466 12 -0.0070 51.6593 0.0133 28.4506 5.7191 0.5443 26.3911 0.0108 0.0108 6.6709 1.2129 11 -57.8891 86.3939 43.0628 - 30 0.0083 0.0015 0.5370 10 -19.5761 16.5684 4.8881 18.4511 0.0047 0.0009 0.6526 9 -18.8585 28.6987 3.8313 3.3598 0.0054 8 -17.6876 0.0010 25.4646 3.4975 0.3949 2.9439 20 0.0041 14.1825 0.0011 15.9037 6.5828 0.3179 7 -2.9589 0.0054 16.6204 0.0012 17.0886 3.6807 0.3404 1.9297 6 -0.0041 5 -15.9384 0.0011 12.6413 3.1544 0.3068 3.2411 0.0031 0.0009 0.2720 4 -13.1916 18.6312 2.8608 3.7350 10 0.0030 14.9876 0.0019 14.5696 4.3995 0.3088 3.9912 3 -0.0026 0.0010 0.2532 12.3459 3.5585 23.3618 2 -15.3568 2.6215 0.0022 31.7895 0.0009 17.4134 4.1239 0.1467 1 -DT **GRU** LR LSTM MLP RF **XGBoost** Model