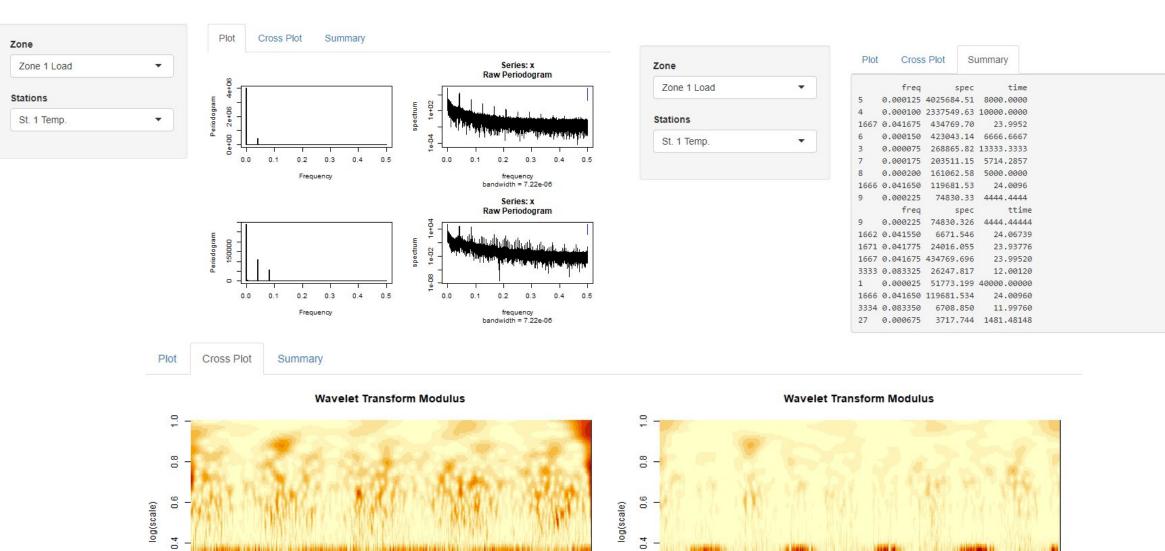
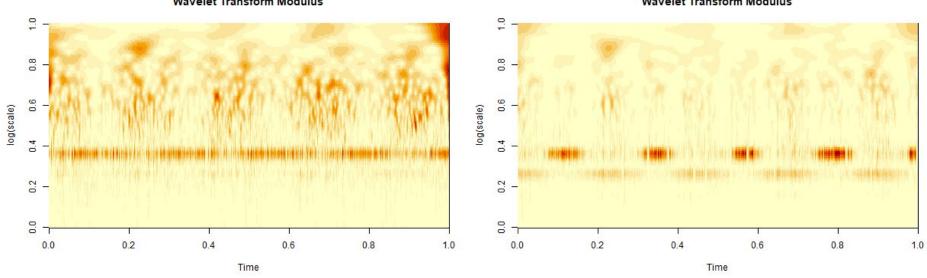
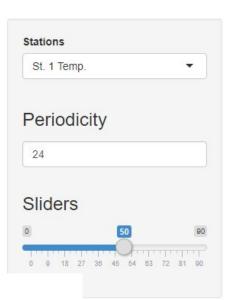
## MAP 573 - Group 12

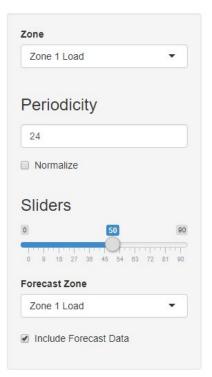
Time Series Forecast using (LSTM) RNN network

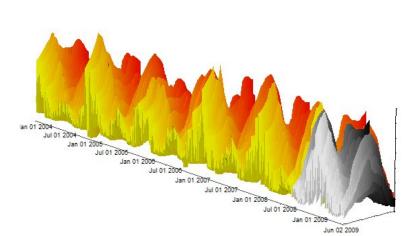






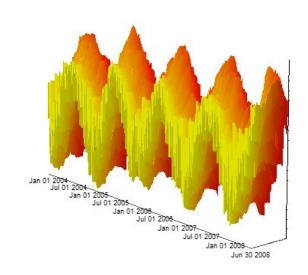


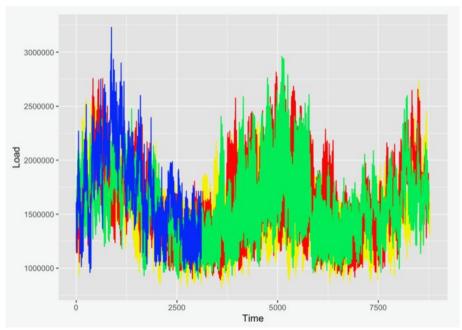


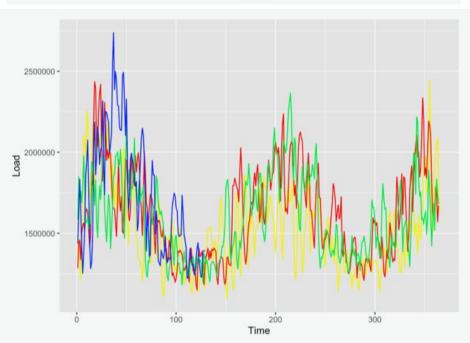


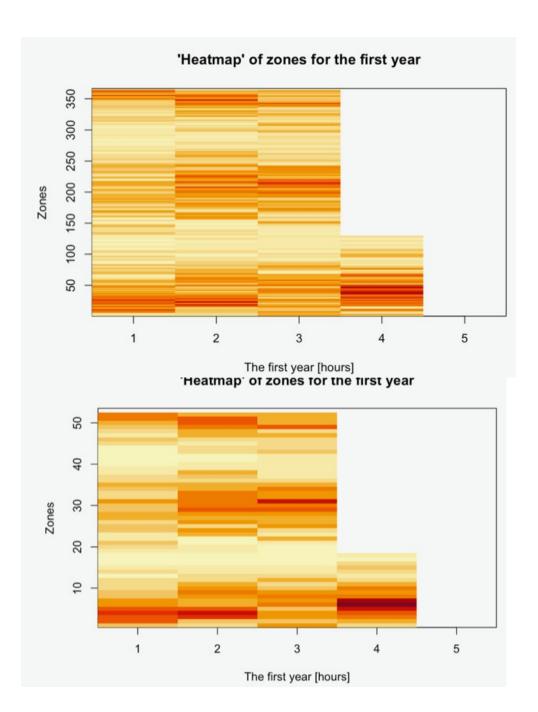
Summary

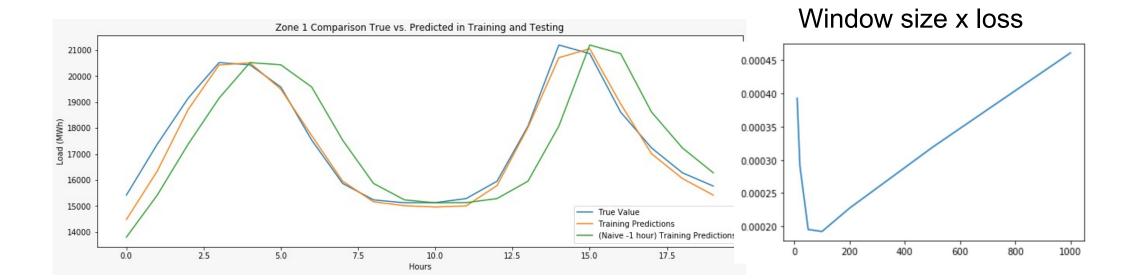
Table











Training data error: 642.36 MSE

Test data error: 853.60 MSE

(Naive -1 hour) Training data error: 1442.77 MSE

(Naive -1 hour) Test data error: 1478.30 MSE

(Naive -1 day) Training data error: 2951.79 MSE

(Naive -1 day) Test data error: 3516.40 MSE

(Naive -1 week) Training data error: 4463.22 MSE

(Naive -1 week) Test data error: 5433.01 MSE

Box cox transformations did not improve error. GRU increased training speed and achieved similar accuracies.