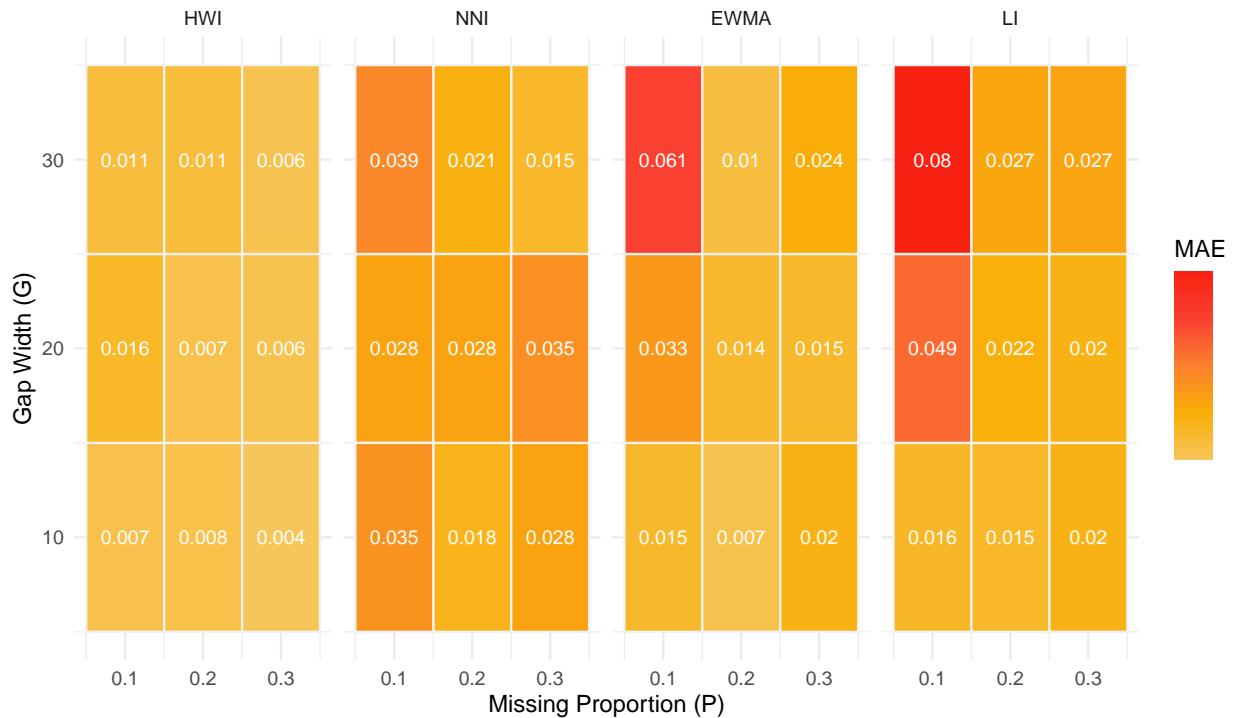


Simulation Results

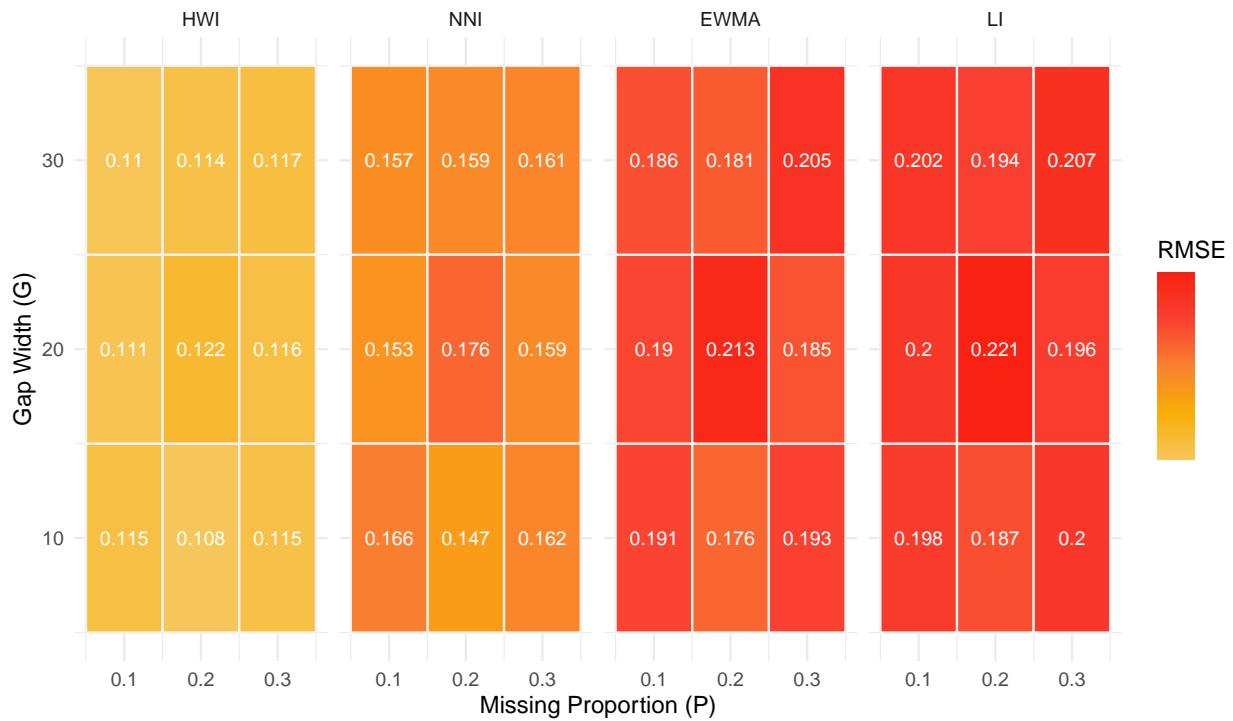
First Set of Simulations:

- All time series of length $N = 1000$.
- Five iterations with each combination of (P, G) .
- Comparison of average RMSE, MAE, and MAPE across each Method, P , and G combination.
- Used several different parameter combinations for the NNI method. For results, extracted the highest performing NNI model on average within each (P, G) combination.

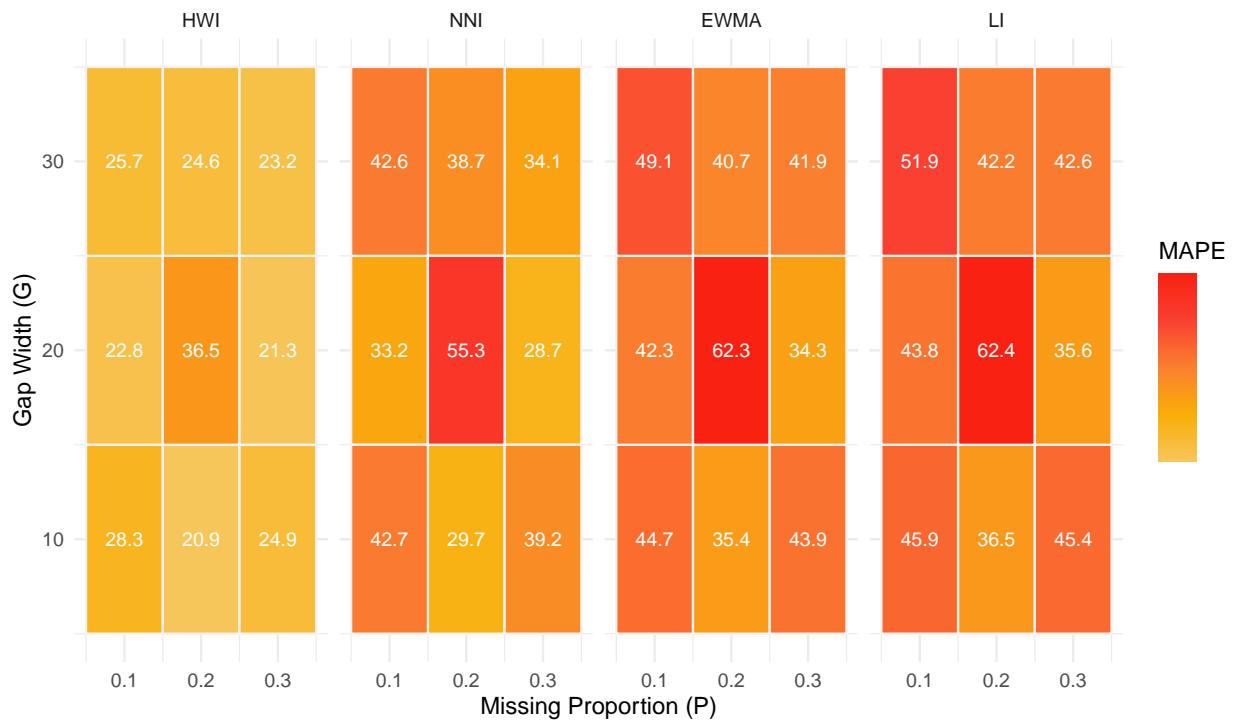
Simulation Results with $N = 1000$ (Avg. MAE)



Simulation Results with N = 1000 (Avg. RMSE)



Simulation Results with N = 1000 (Avg. MAPE)



Second Set of Simulations:

- All time series of length $N = 1000$.
- 10 iterations with each combination of (P, G) .
- Comparison of average RMSE, MAE, and MAPE across each Method, P , and G combination.
- Too many issues with the HWI error (same one as last week) so I had to omit it from this set of simulations.
- Used a single set of parameters for the NNI based on the dominant parameters in the first set of simulations (Standouts: ‘random’ == FALSE, ‘method’ == noise, larger amount of training data).