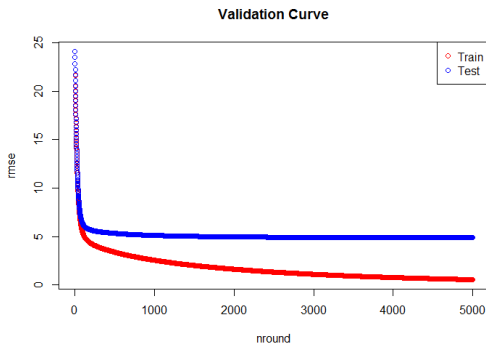
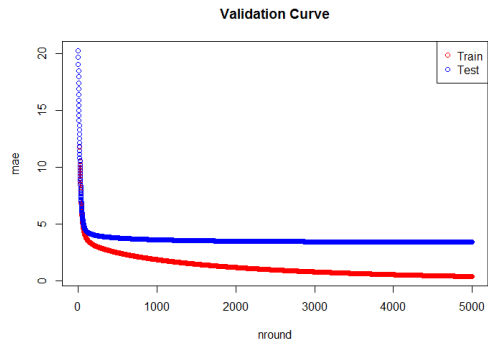


# Supplementary notes

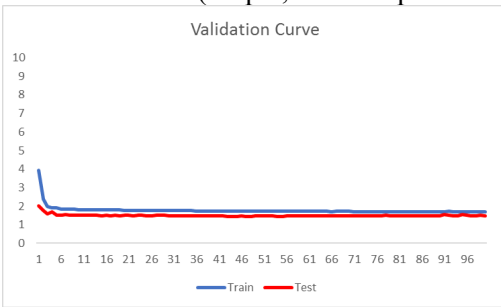


RMSE Loss Curve

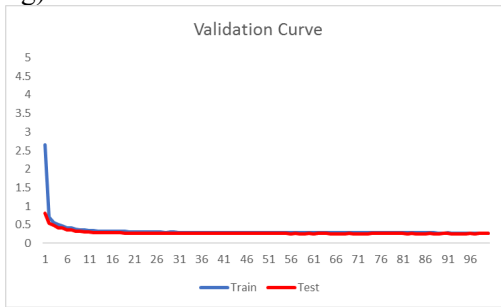


MAE Loss Curve

## Northern Taiwan (Taipei, New Taipei and Keelung):

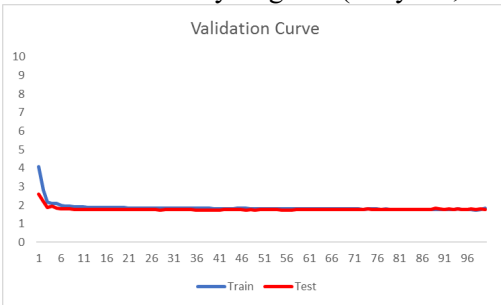


RMSE Loss Curve

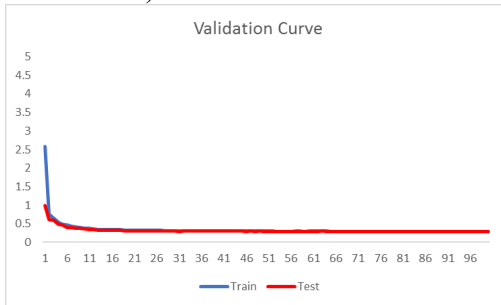


MAE Loss Curve

## Hsinchu and Nearby Regions (Taoyuan, Hsinchu and Miaoli):

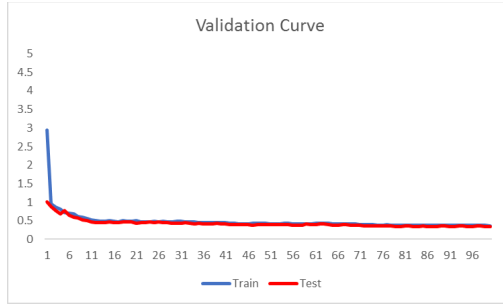
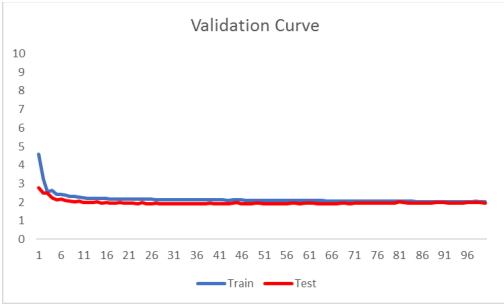


RMSE Loss Curve

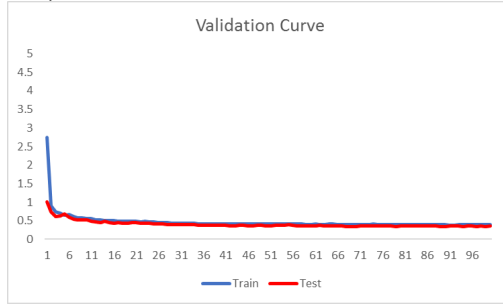
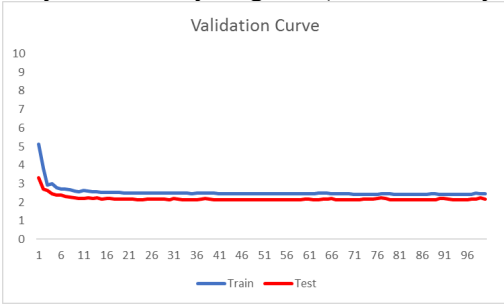


MAE Loss Curve

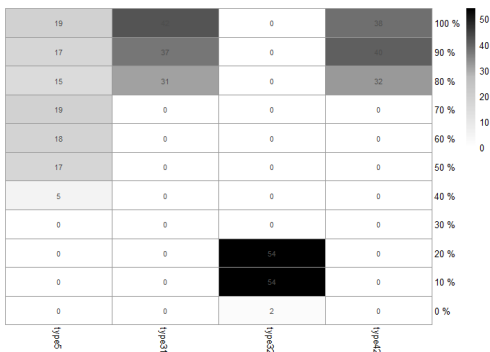
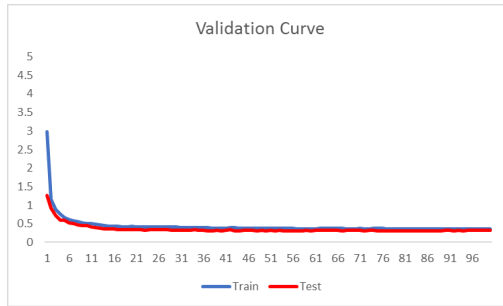
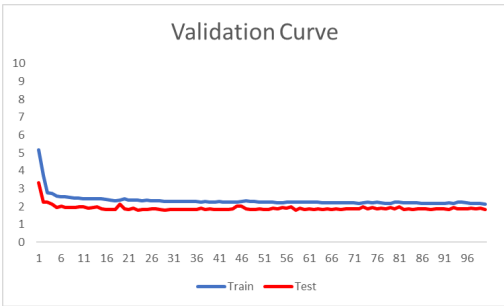
## Central Taiwan (Taichung, Changhua, Nantou):



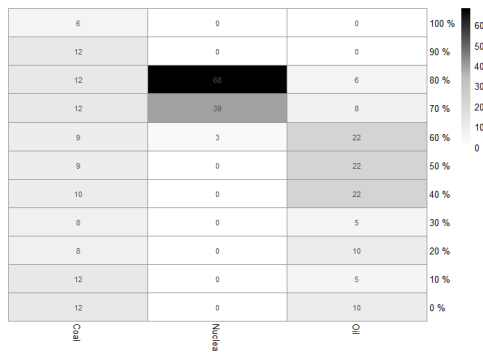
Chiayi and Nearby Regions (Yunlin, Chiayi, Tainan):



Southern Taiwan (Kaohsiung and Pingdong):



Heat Map for Traffic Factors in Northern Taiwan



Heat Map for Power Factors in Northern Taiwan

The darker areas indicate more data points in the areas and the ideal level of the factors (under the condition of minimum PM2.5 among 110 data sets). Suggested level for each factor is listed below.

Tractor Trailer: Remain 100% or reduce to 90~50%

Passenger Car: Remain 100% or reduce to 90~80%

Small Truck: Reduce to 20%~10%

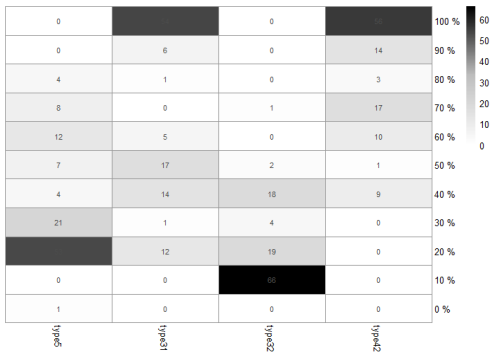
Semi-Truck: Remain 100% or reduce to 90~80%

The darker areas indicate more data points in the areas and the ideal level of the factors (under the condition of minimum PM2.5 among 110 data sets). Suggested level for each factor is listed below.

Coal: Reduce to 20%~10% or under 10%

Nuclear: Reduce to 80%~70%

Oil: Reduce to 60%~40%



Heat Map for Traffic Factors in Hsinchu and Nearby Regions

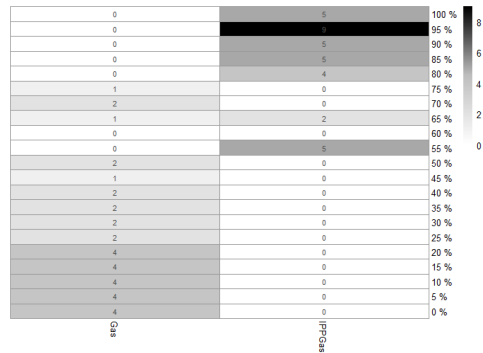
The darker areas indicate more data points in the areas and the ideal level of the factors (under the condition of minimum PM2.5 among 110 data sets). Suggested factor level for each is listed below.

Tractor Trailer: Reduce to 20%

Passenger Car: Remain 100%

Small Truck: Reduce to 10%

Semi-Truck: Remain 100%

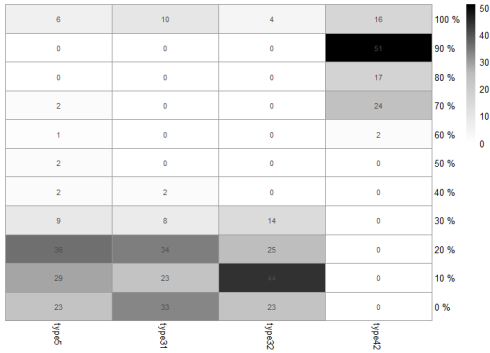


Heat Map for Power Factors in Hsinchu and Nearby Regions

The darker areas indicate more data points in the areas and the ideal level of the factors (under the condition of minimum PM2.5 among 110 data sets). Suggested level for each factor is listed below.

Gas: Reduce to under 20%

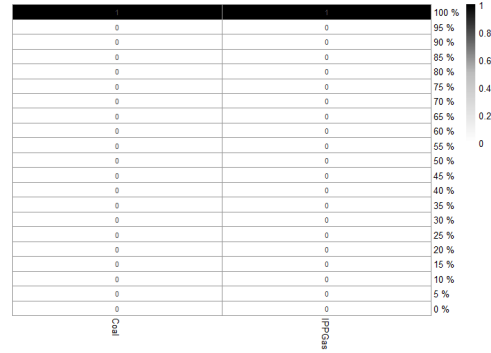
IPPGas: Remain 100% or reduce to 95%~80% and 55%



Heat Map for Traffic Factors in Central Taiwan

The darker areas indicate more data points in the areas and the ideal level of the factors (under the condition of minimum PM2.5 among 110 data sets). Suggested level for each factor is listed below.

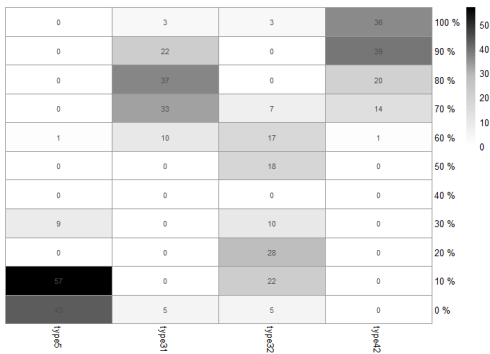
- Tractor Trailer: Reduce to under 20%
- Passenger Car: Reduce to under 20%
- Small Truck: Reduce to under 20%
- Semi-Truck: Reduce to 90% or 70%



Heat Map for Power Factors in Central Taiwan

The initial condition is already at the minimum PM2.5 level among 441 data sets. Suggested level for each factor is listed below.

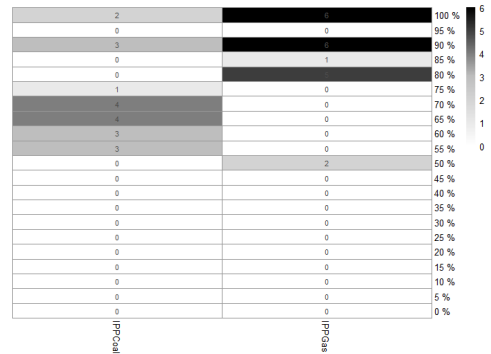
- Coal: Remain 100%
- IPPGas: Remain 100%



Heat Map for Traffic Factors in Chiayi and Nearby Regions

The darker areas indicate more data points in the areas and the ideal level of the factors (under the condition of minimum PM2.5 among 110 data sets). Suggested level for each factor is listed below.

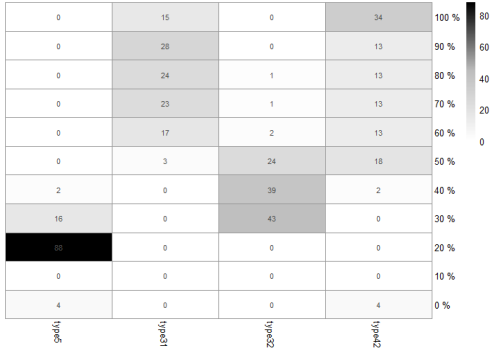
- Tractor Trailer: Reduce to under 10%
- Passenger Car: Reduce to 90~70%
- Small Truck: Reduce to 20~10%
- Semi-Truck: Remain 100% or reduce to 90%



Heat Map for Power Factors in Chiayi and Nearby Regions

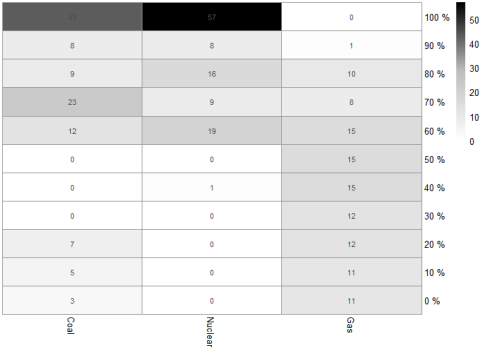
Only 21 PM2.5 data sets are lower than the initial PM2.5 condition, 20 of which are listed here. The darker areas indicate more data points in the areas and the ideal level of the factors. Suggested level for each factor is listed below.

- IPPCoal: Reduce to 70~65%
- IPPGas: Reduce to 100%, 90%, or 80%



Heat Map for Traffic Factors in Southern Taiwan

The darker areas indicate more data points in the areas and the ideal level of the factors (under the condition of minimum PM2.5 among 110 data sets). Suggested level for each factor is listed below.  
 Tractor Trailer: Reduce to 20%  
 Passenger Car: Reduce to 90%~70%  
 Small Truck: Reduce to 50%~30%  
 Semi-Truck: Remain 100% or reduce to 50%



Heat Map for Power Factors in Southern Taiwan

The darker areas indicate more data points in the areas and the ideal level of the factors (under the condition of minimum PM2.5 among 110 data sets). Suggested level for each factor is listed below.  
 Coal: Remain 100% or reduce to 70%  
 Nuclear: Remain 100% or reduce 80% or 60%  
 Gas: Reduce to 60%~40%