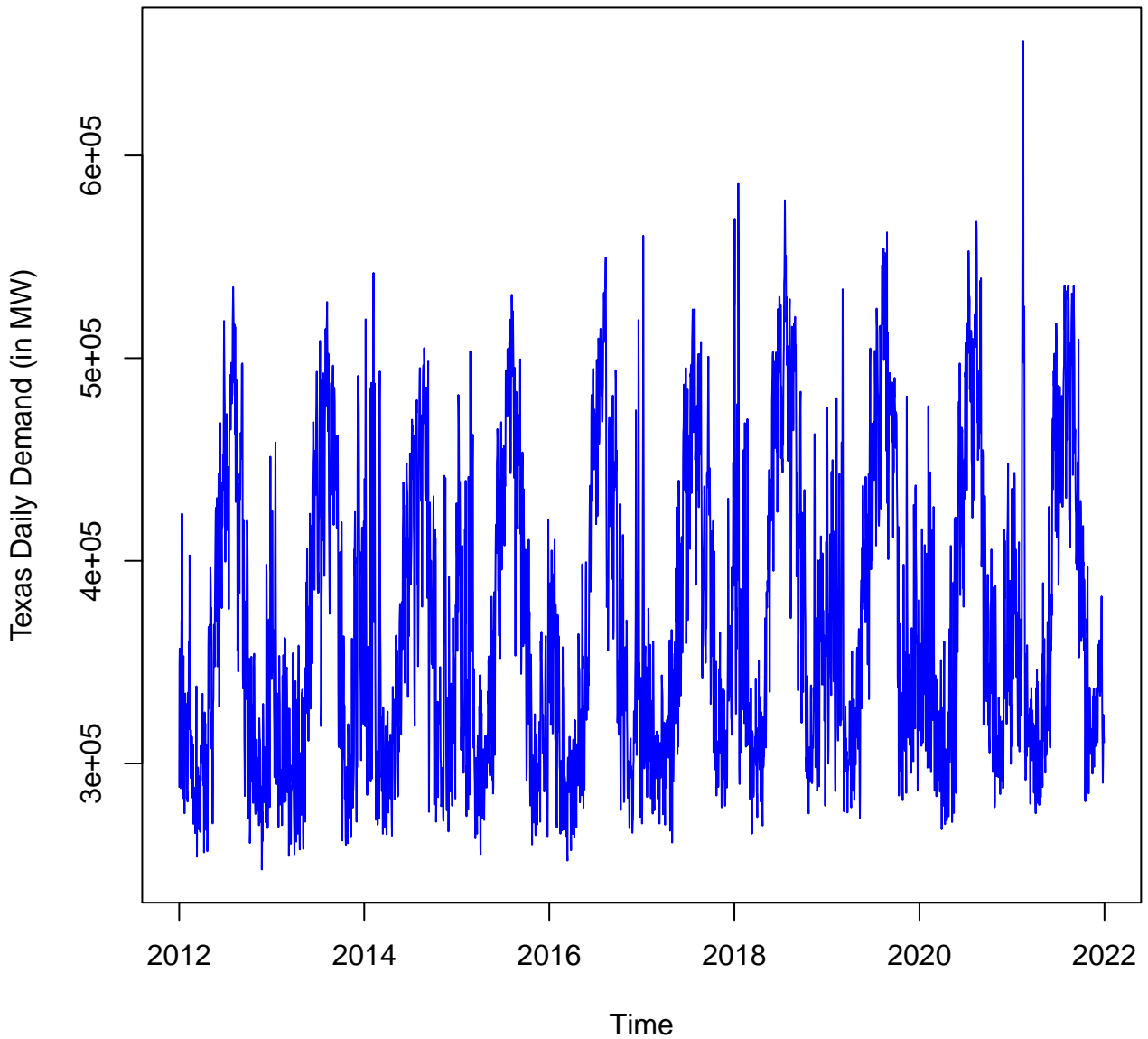


## Evolution of Daily Electricity Demand over time



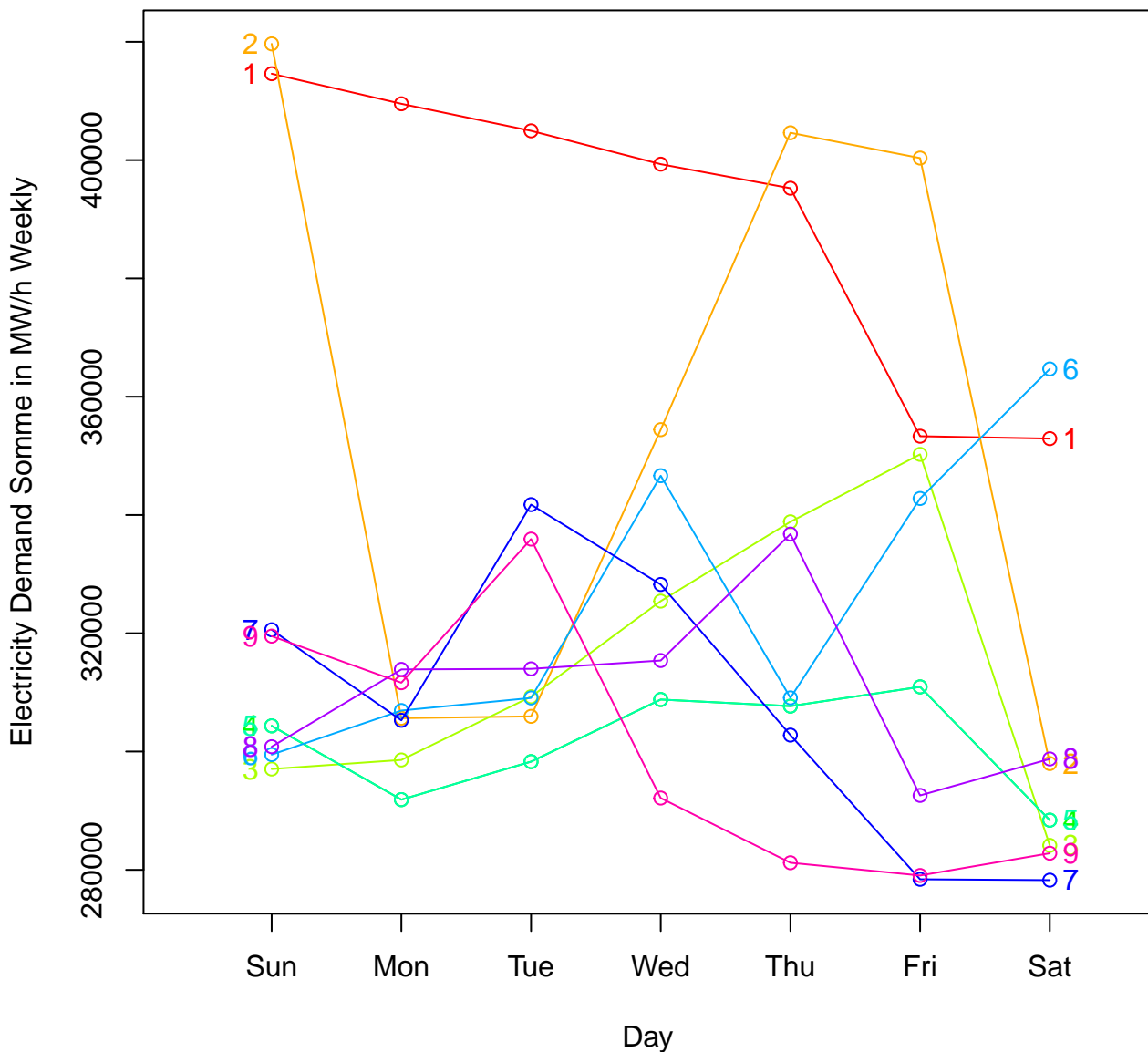


Texas Daily Demand in Region North-Central(in MW)





Seasonal plot: ts\_somme



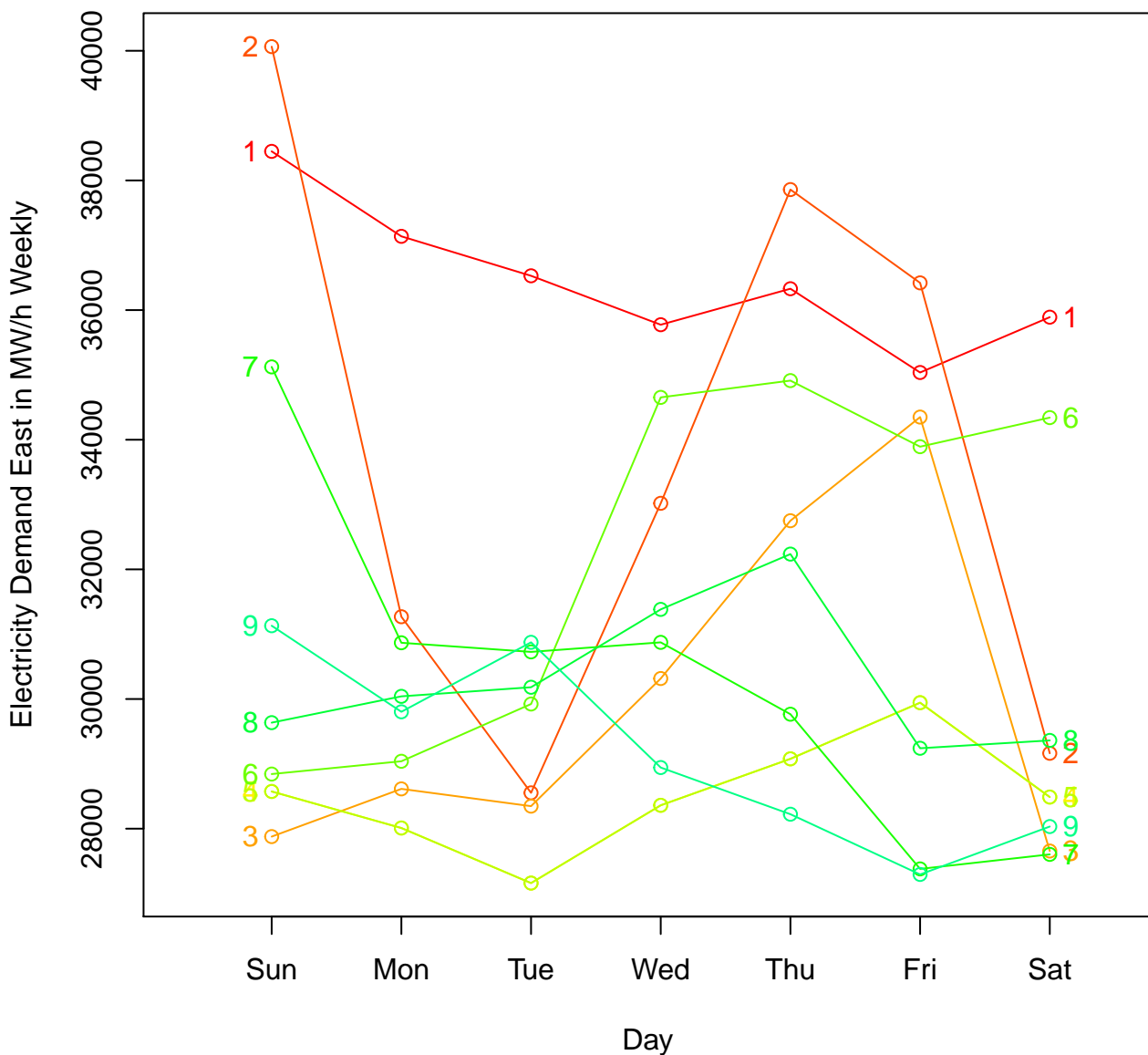
Seasonal plot: ts\_north



Seasonal plot: ts\_north\_cen

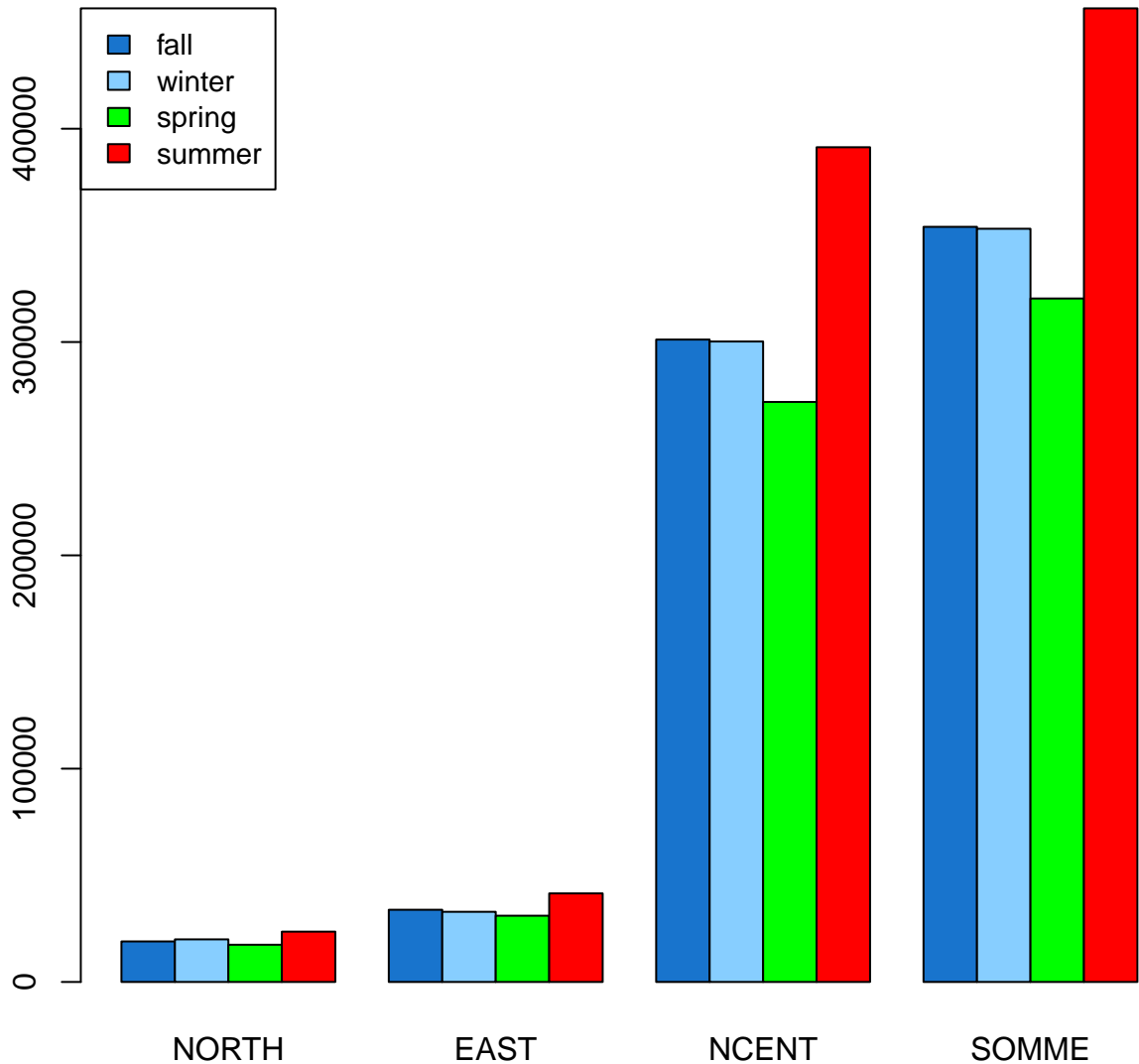


Seasonal plot: ts\_east

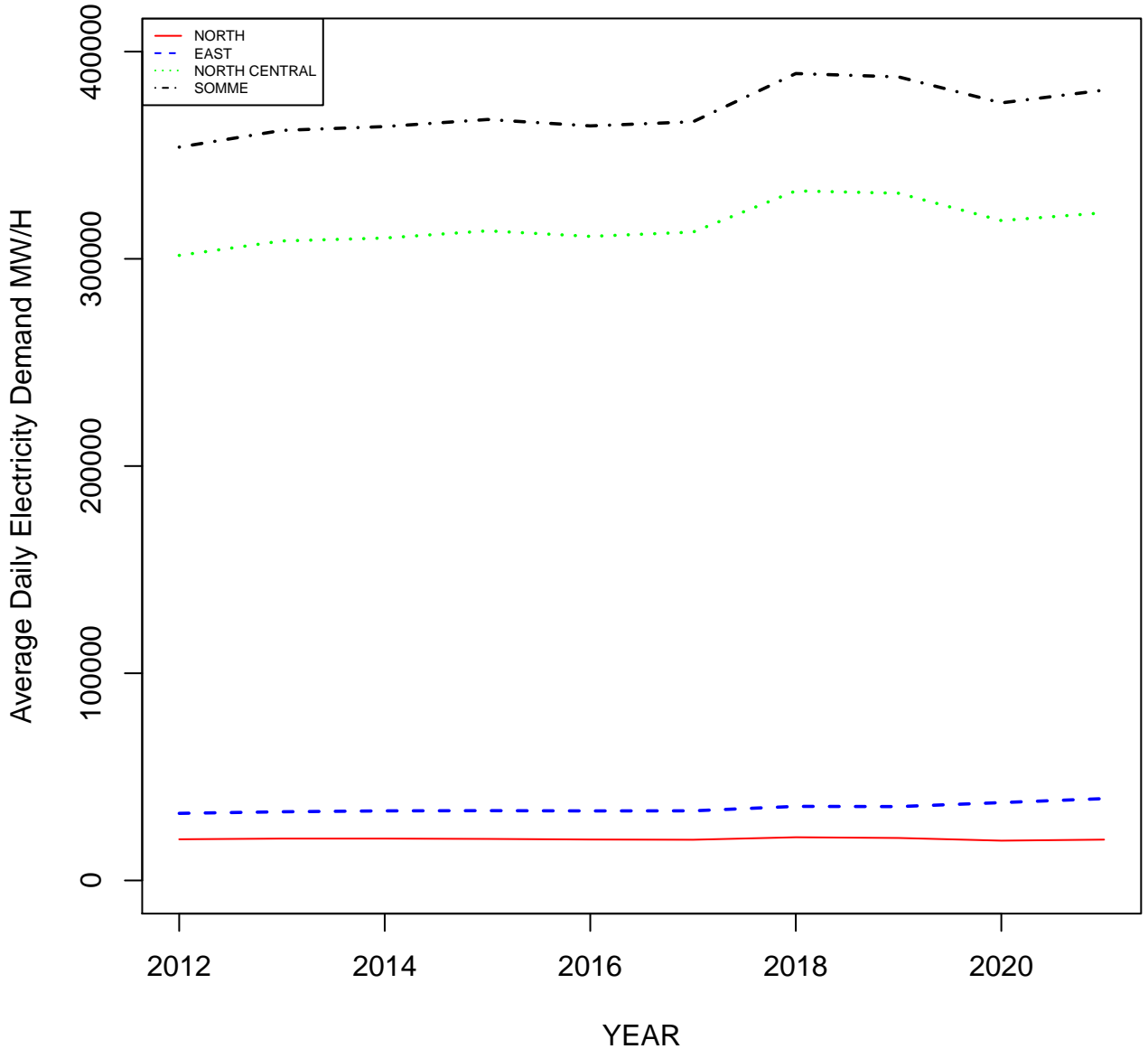




**Average Daily Electricity Demand MW/H per Season**



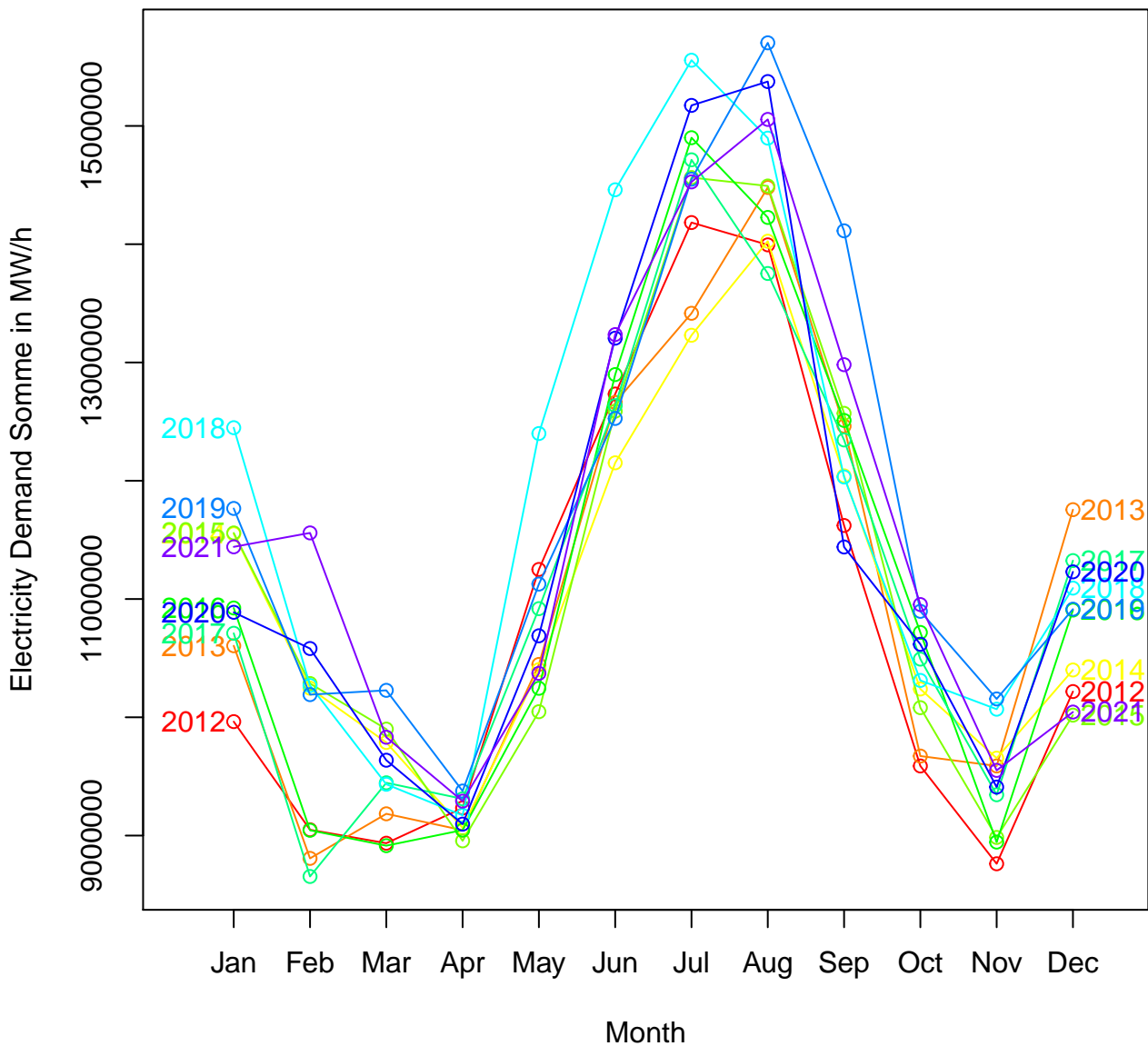
# Average Daily Electricity Demand MW/H



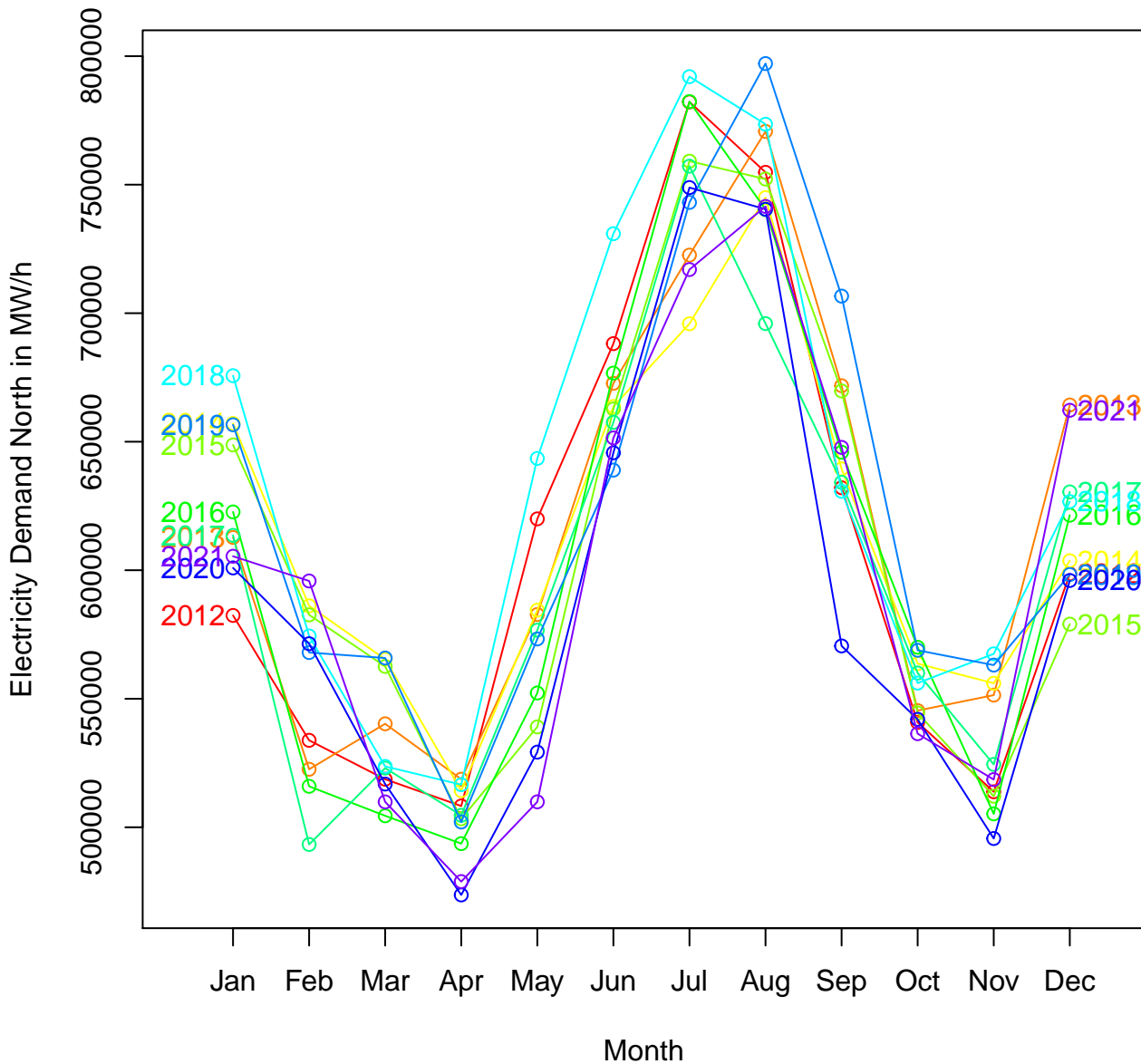
## % Evolution of Electricity Demand MW/H



Seasonal plot: ts\_somme



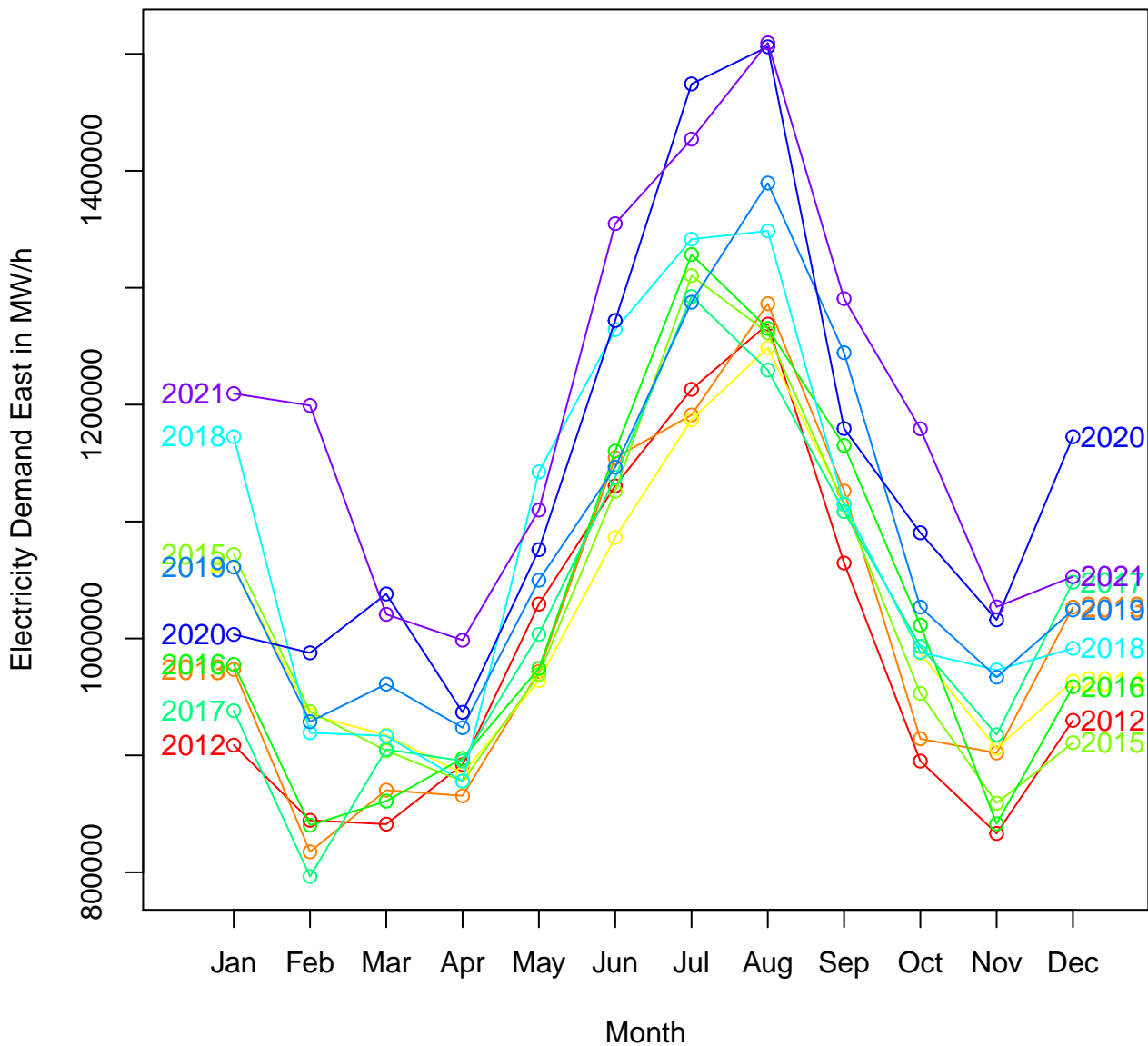
Seasonal plot: ts\_north



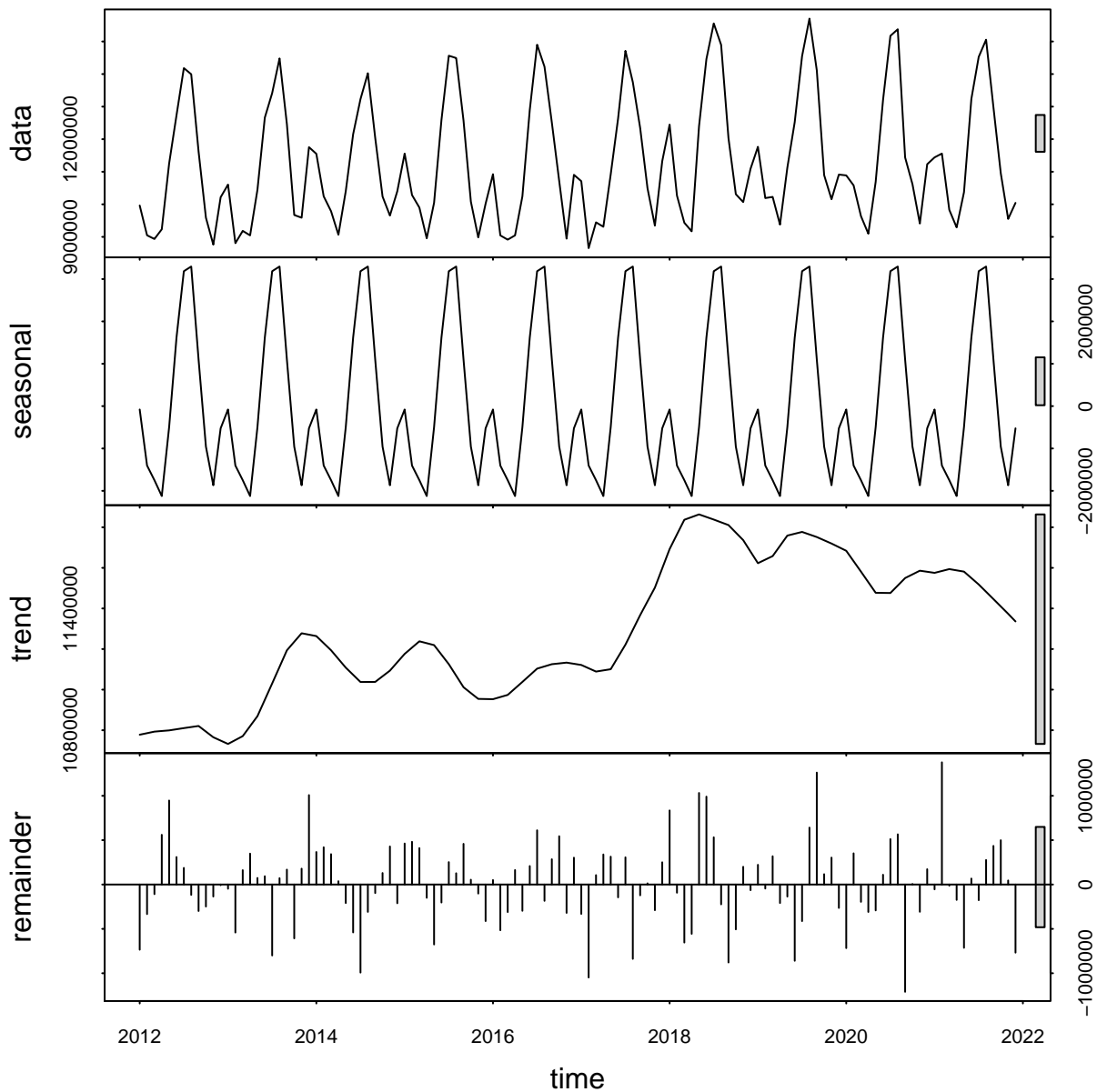
Seasonal plot: ts\_north\_cen



Seasonal plot: ts\_east

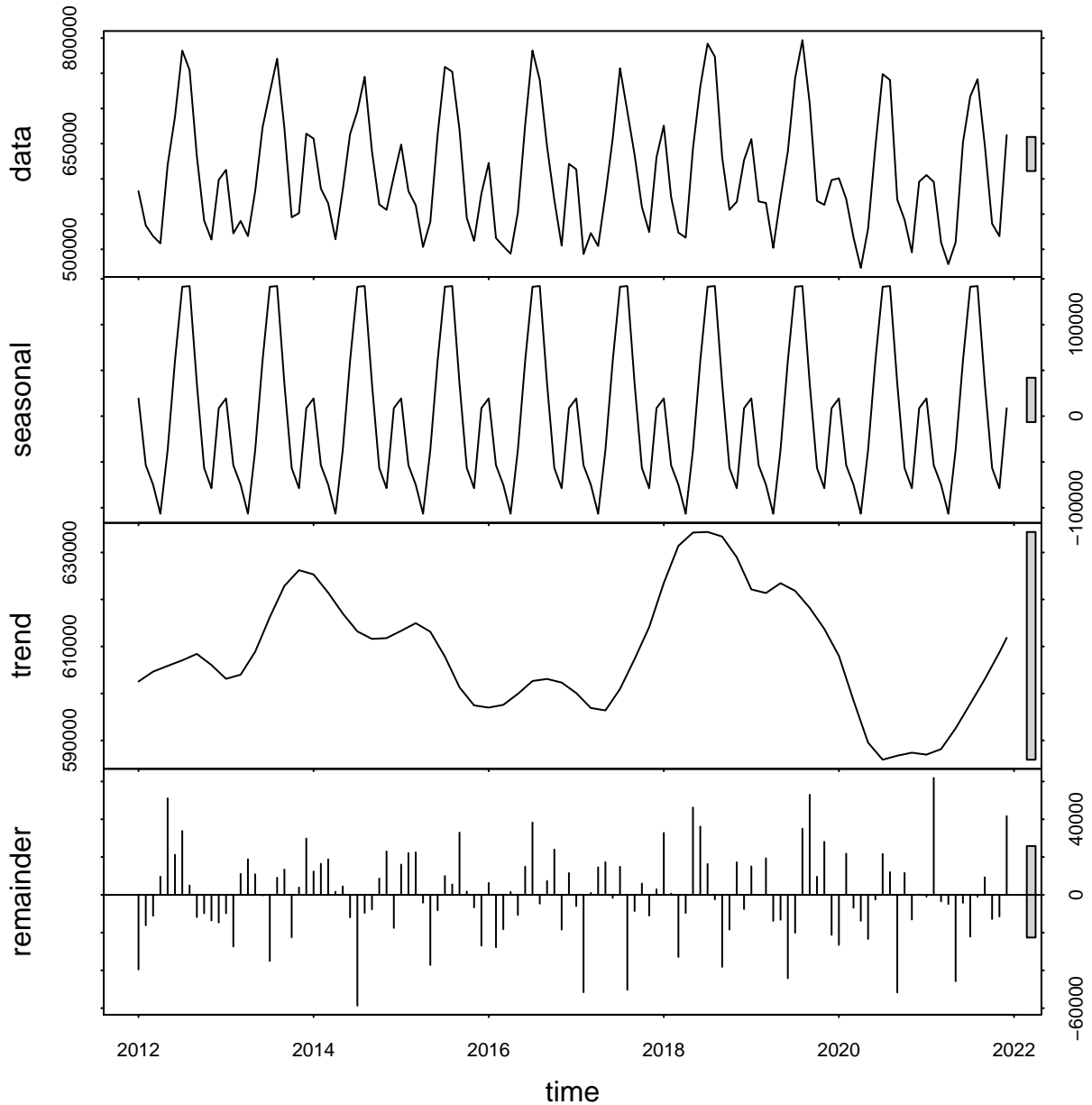


# stl decomposition Somme 2012-21

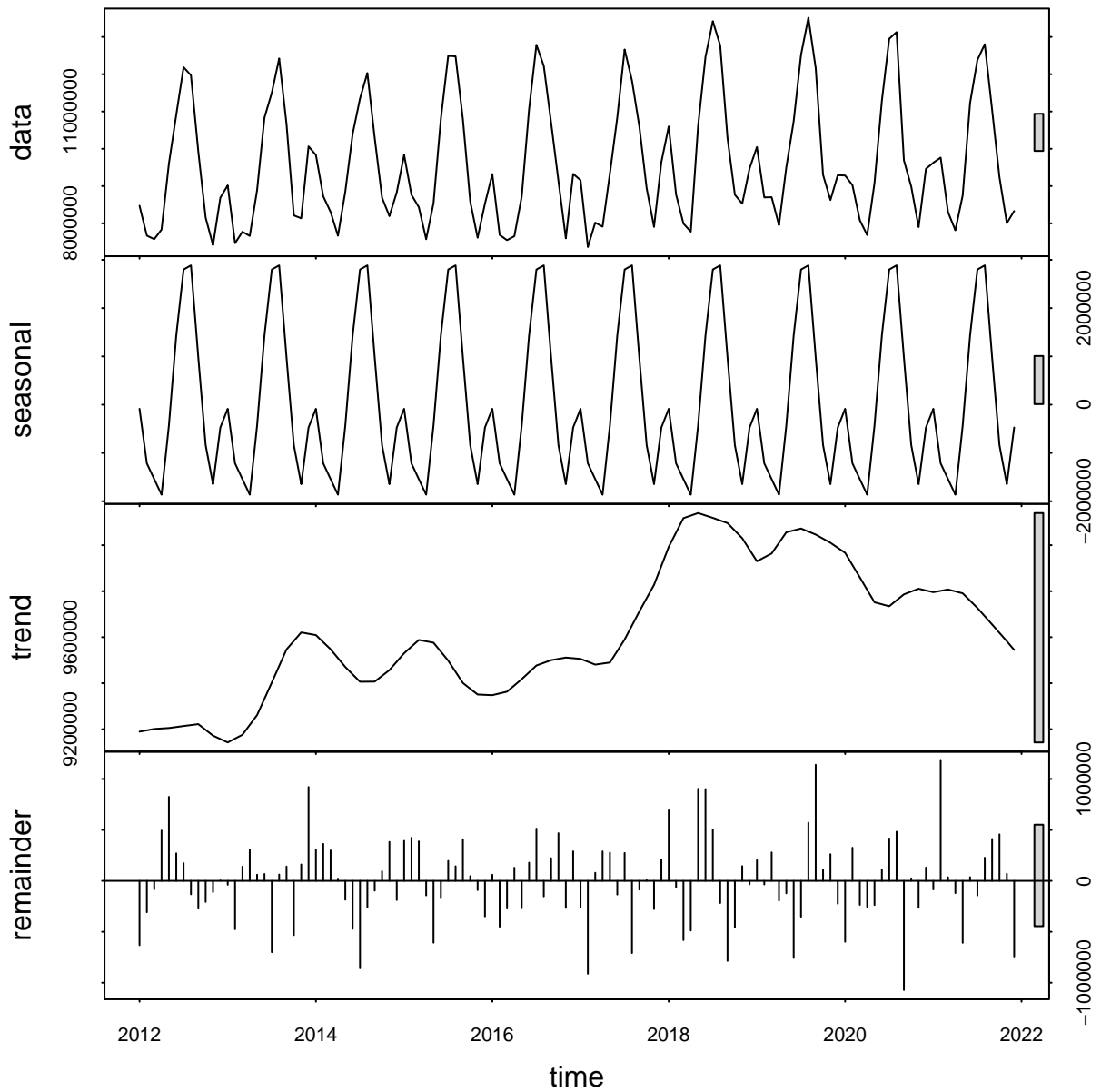




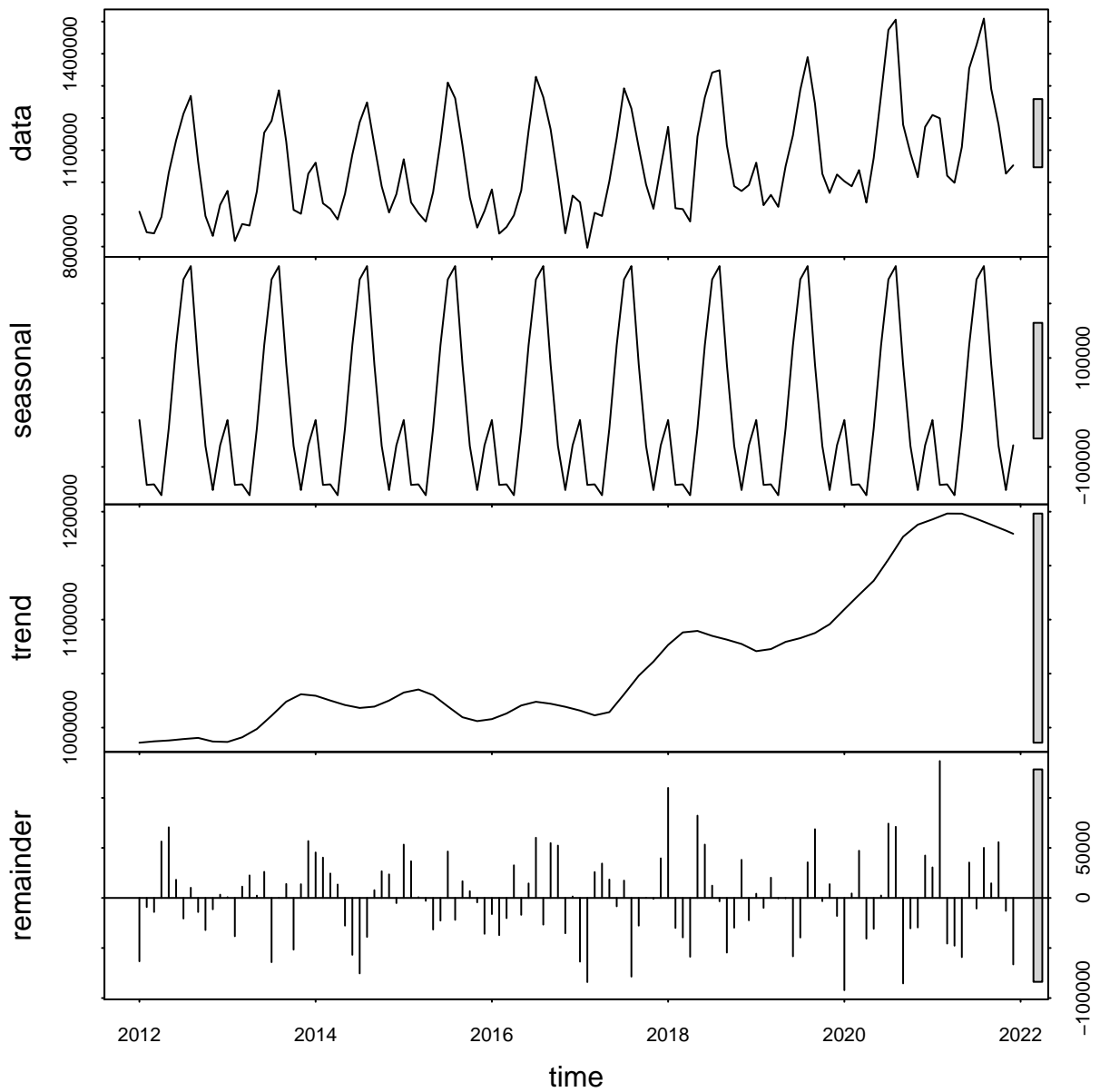
# stl decomposition North 2012–21



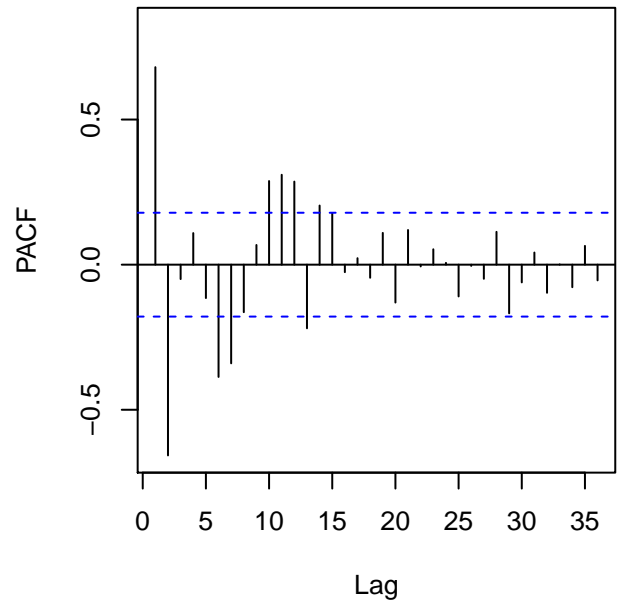
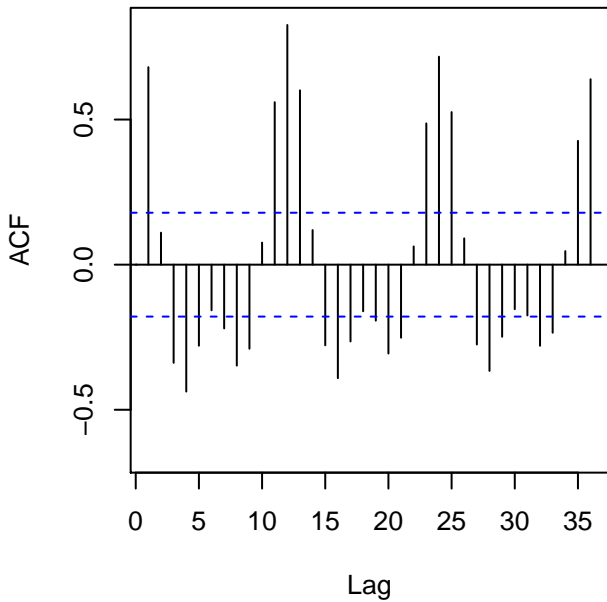
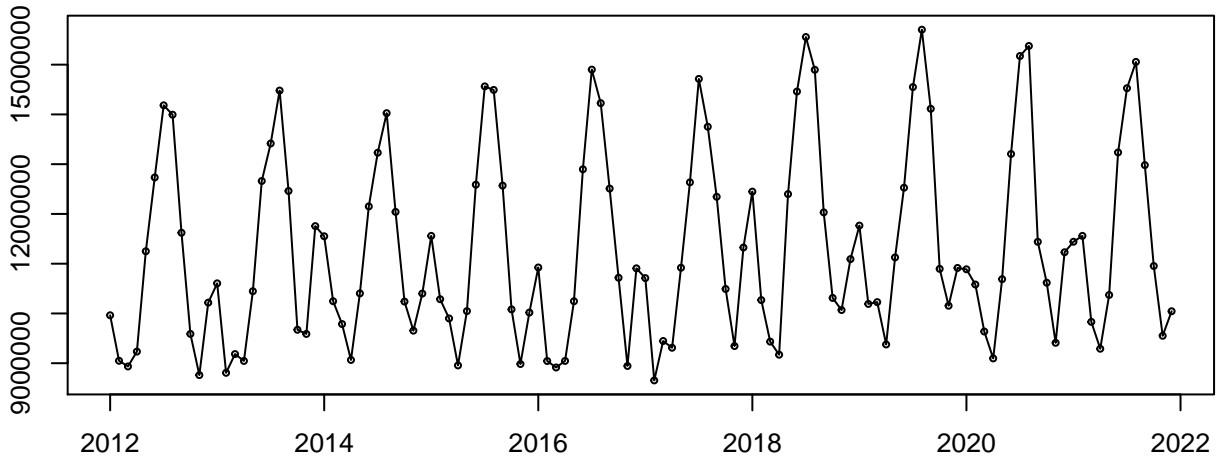
# stl decomposition North Central 2012–21



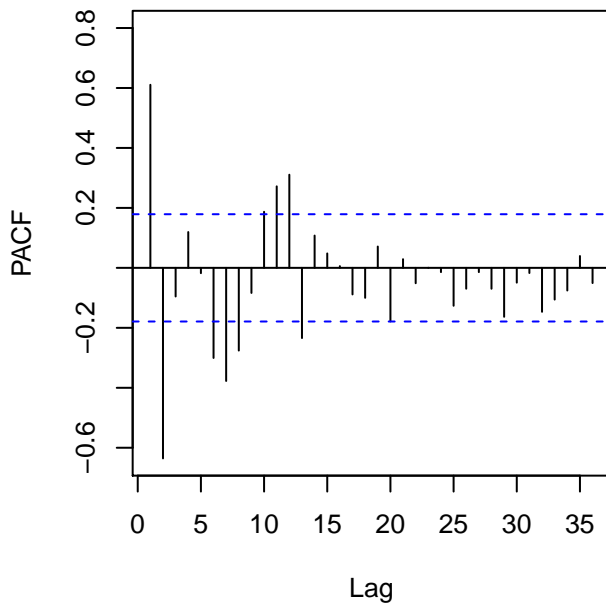
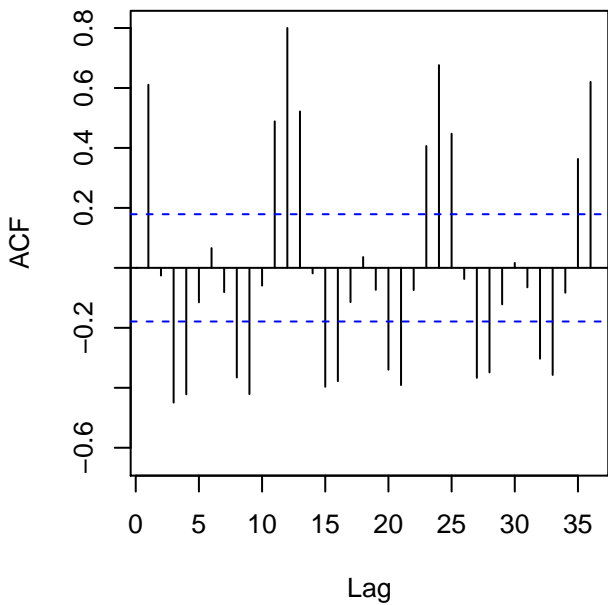
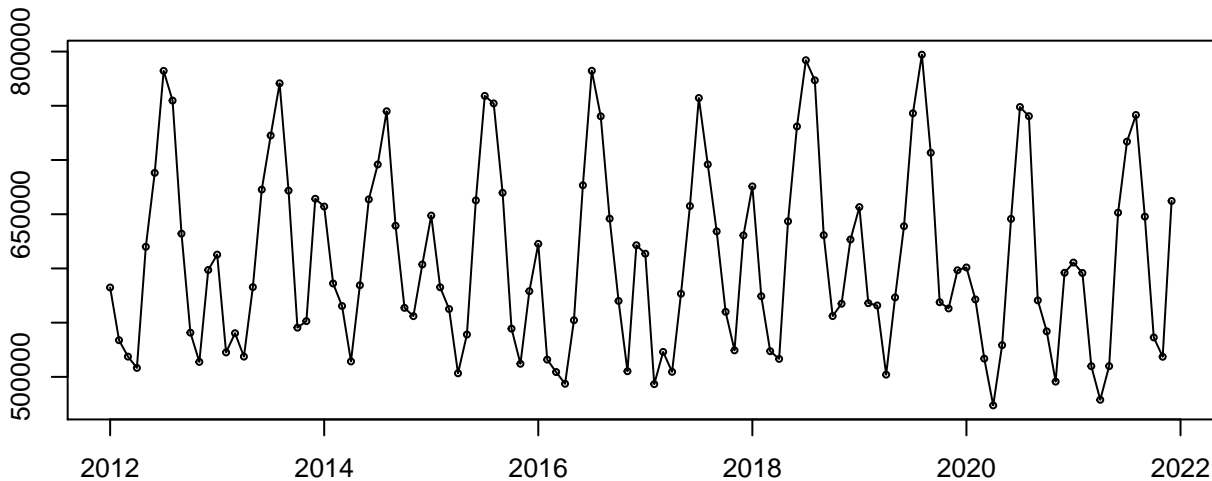
# stl decomposition East 2012-21



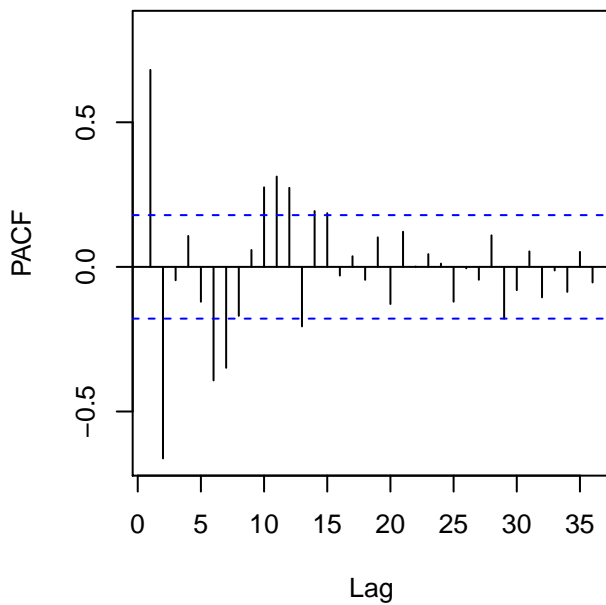
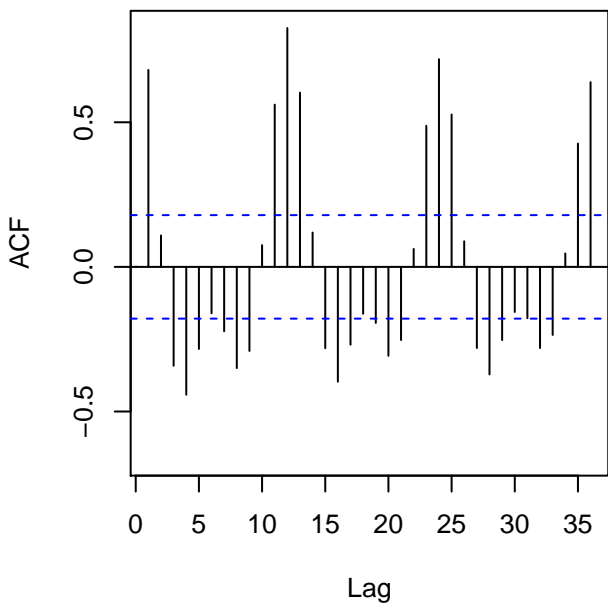
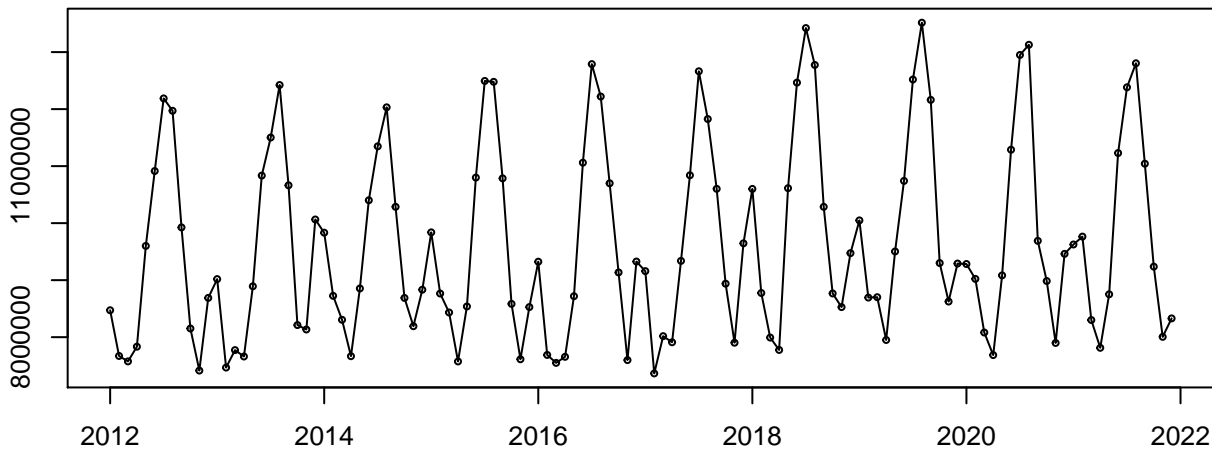
# All regions Somme 2012-21



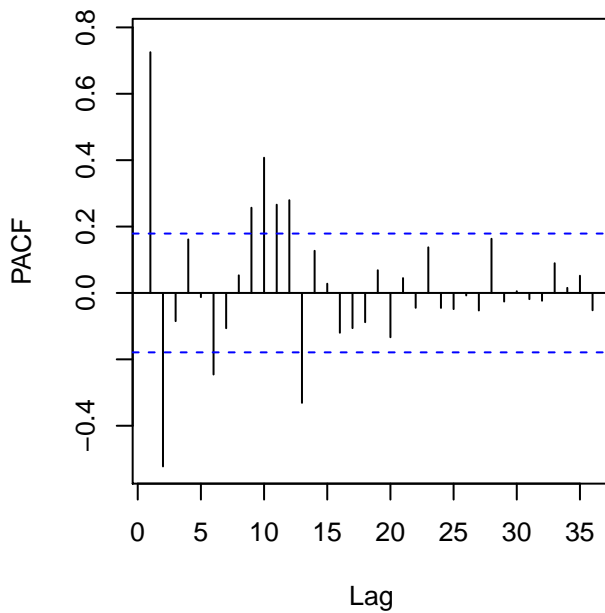
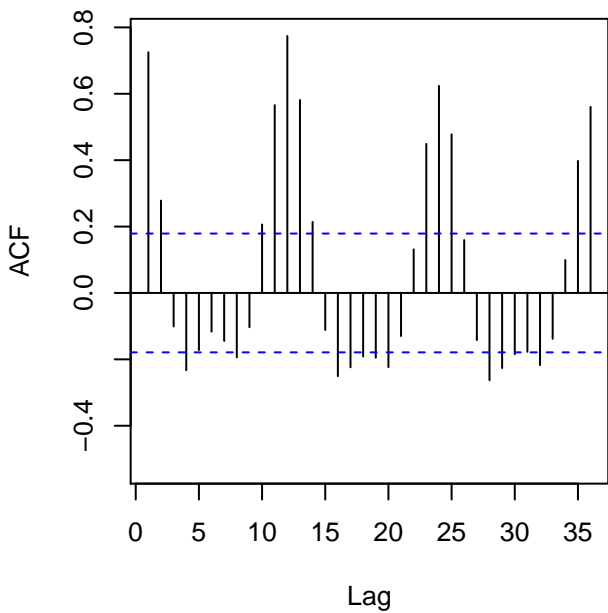
# All regions North 2012–21



# All regions North Central 2012–21



# All regions East 2012–21

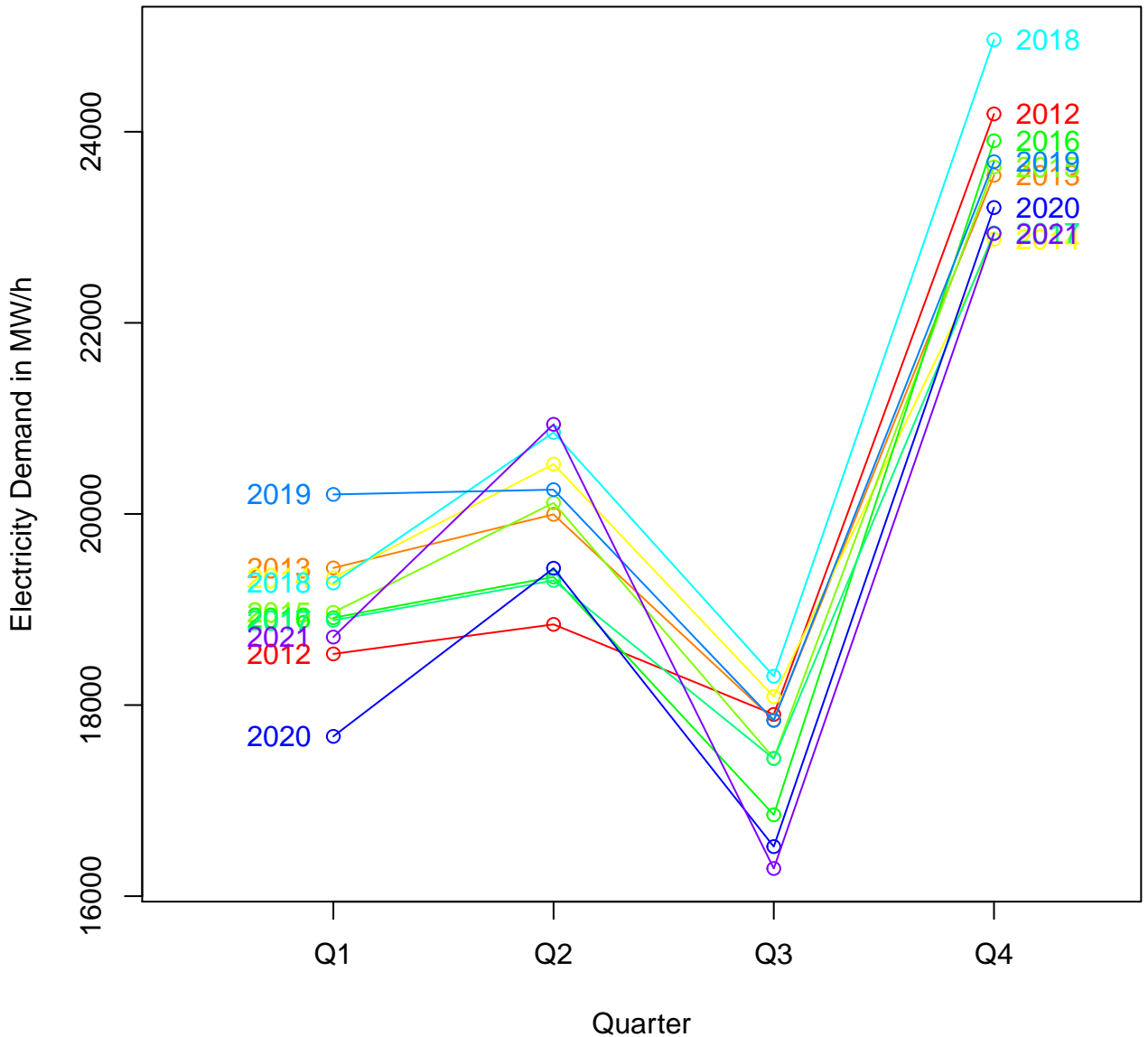


Seasonal plot: ts\_somme





Seasonal plot: ts\_north



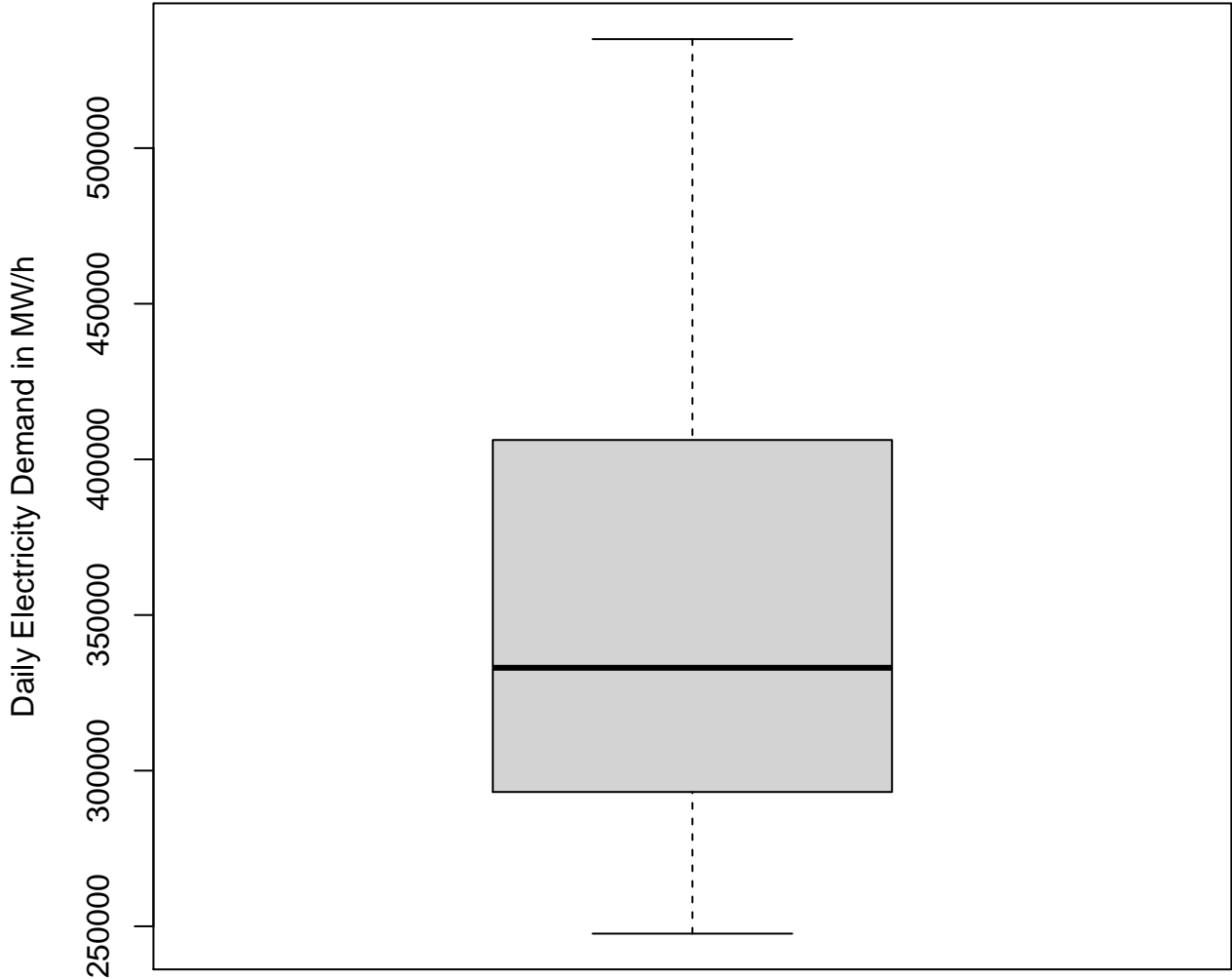
Seasonal plot: ts\_north\_cen



Seasonal plot: ts\_east



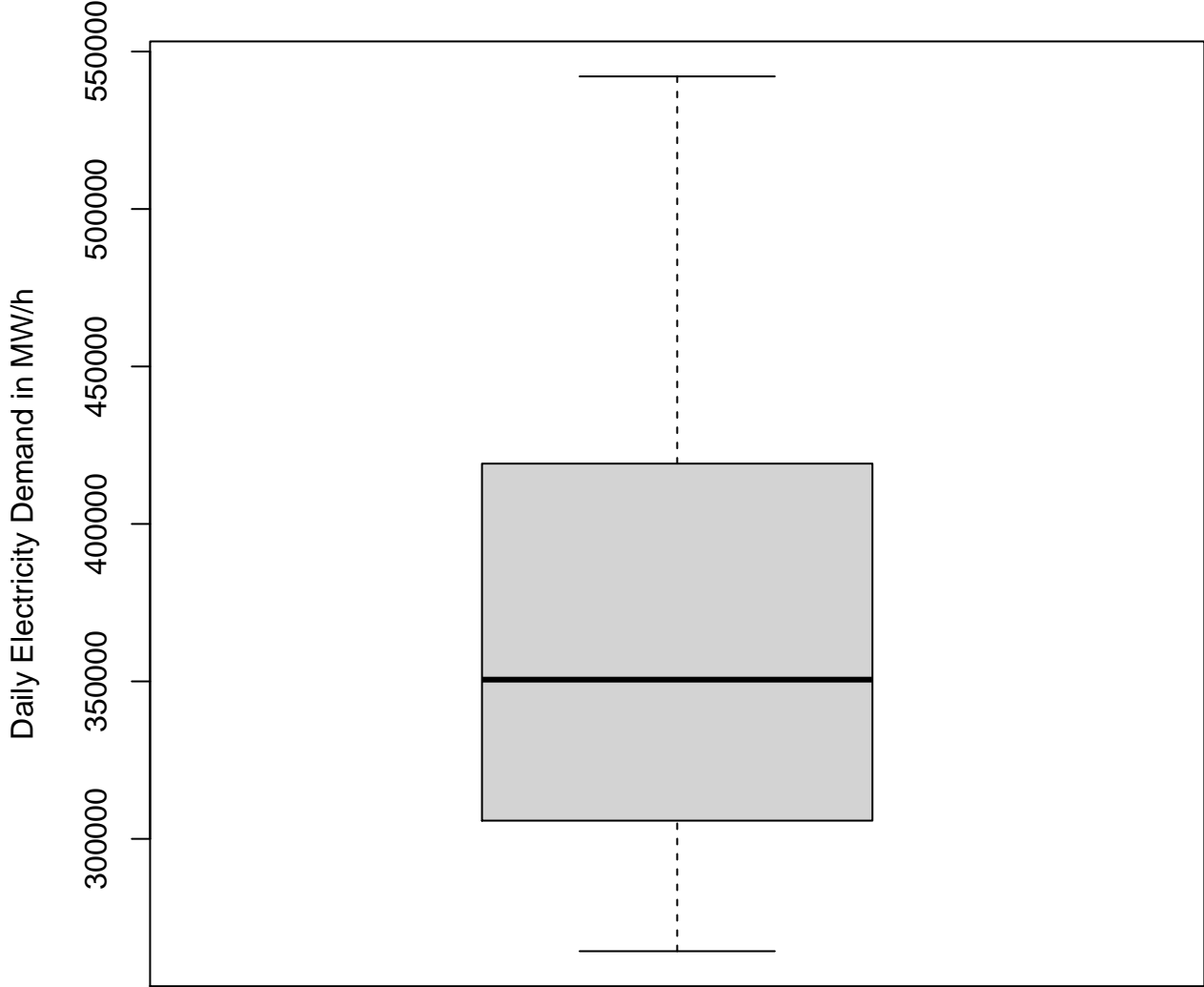
# Outlier Analysis Somme 2012



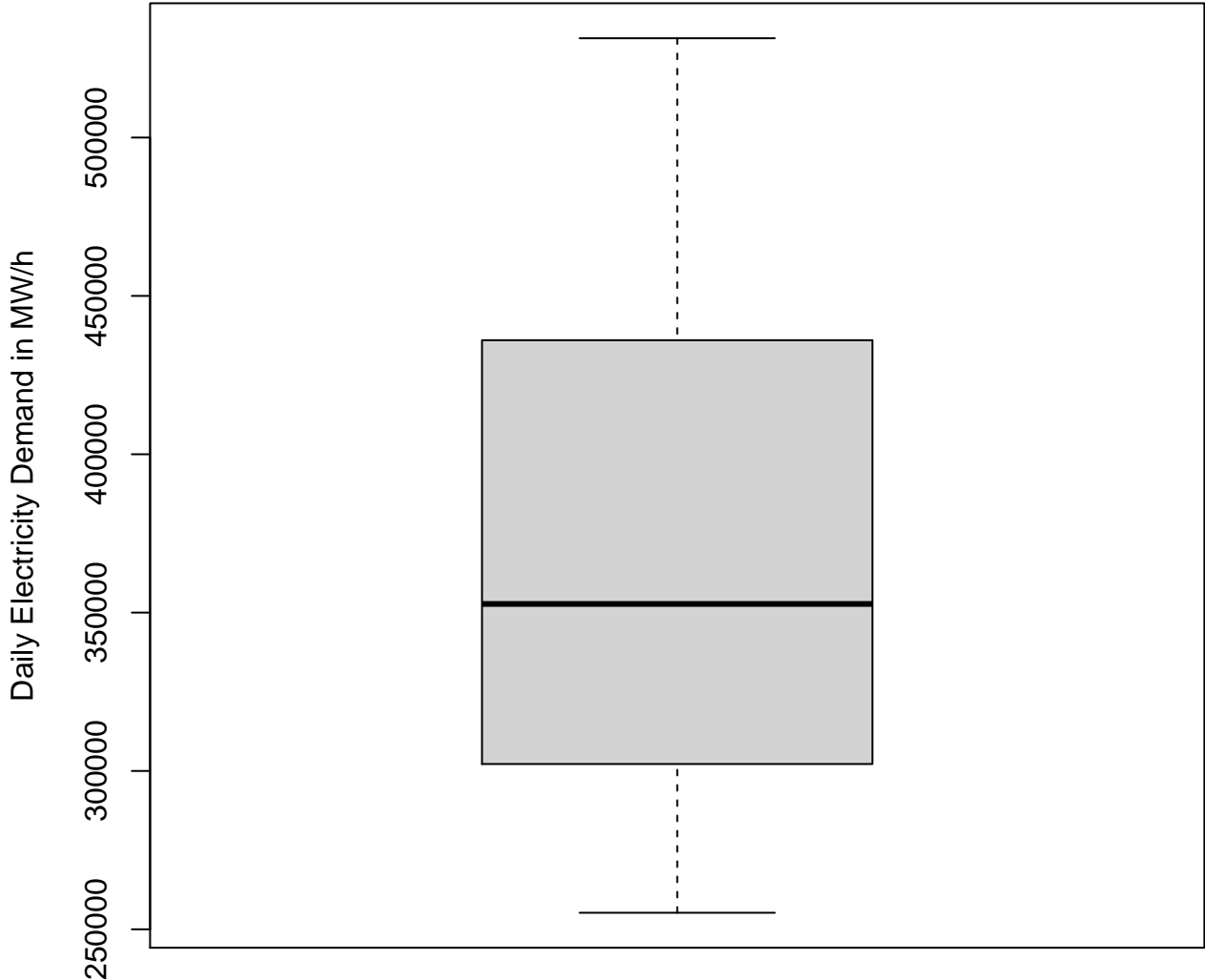
# Outlier Analysis Somme 2013



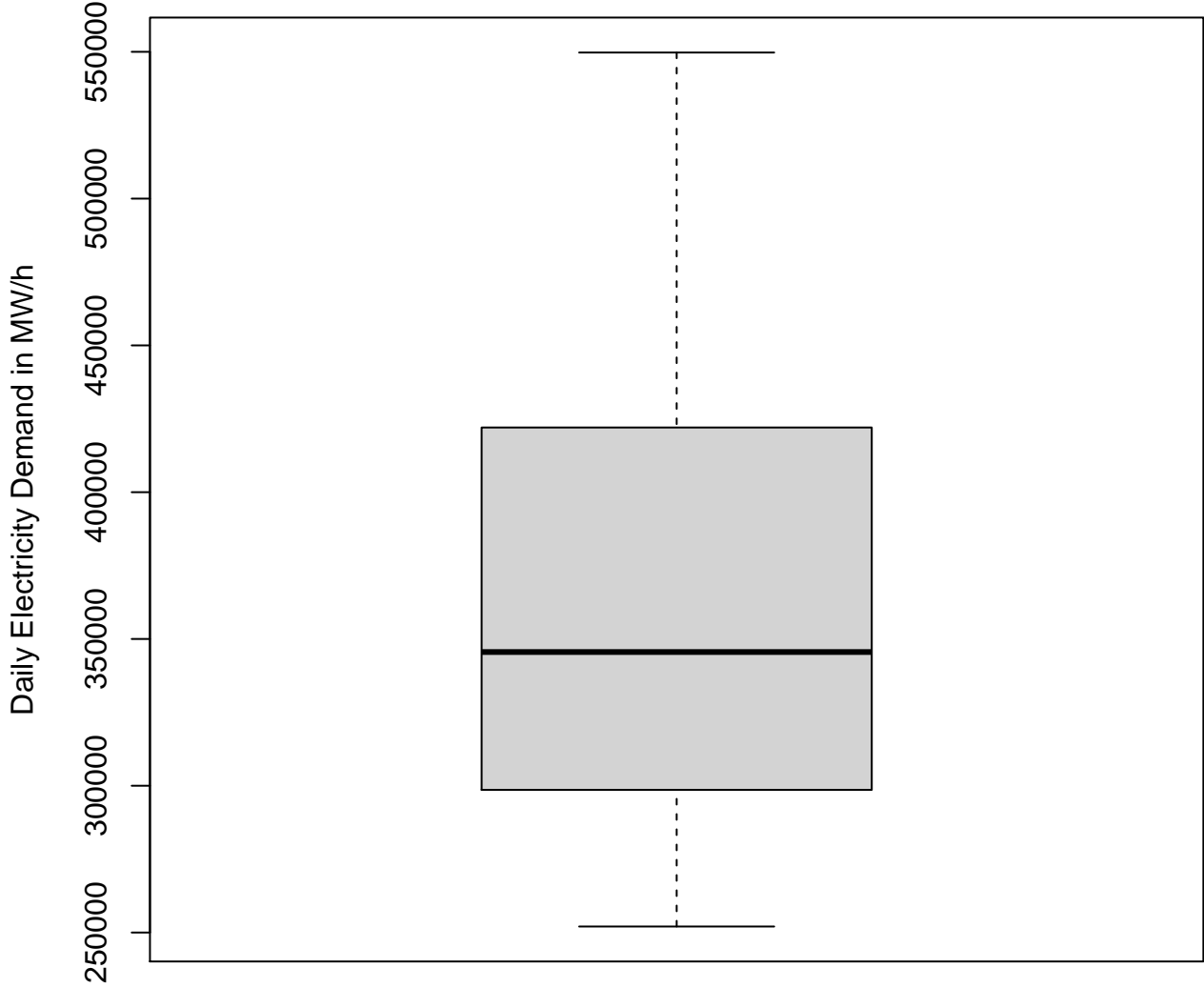
# Outlier Analysis Somme 2014



# Outlier Analysis Somme 2015

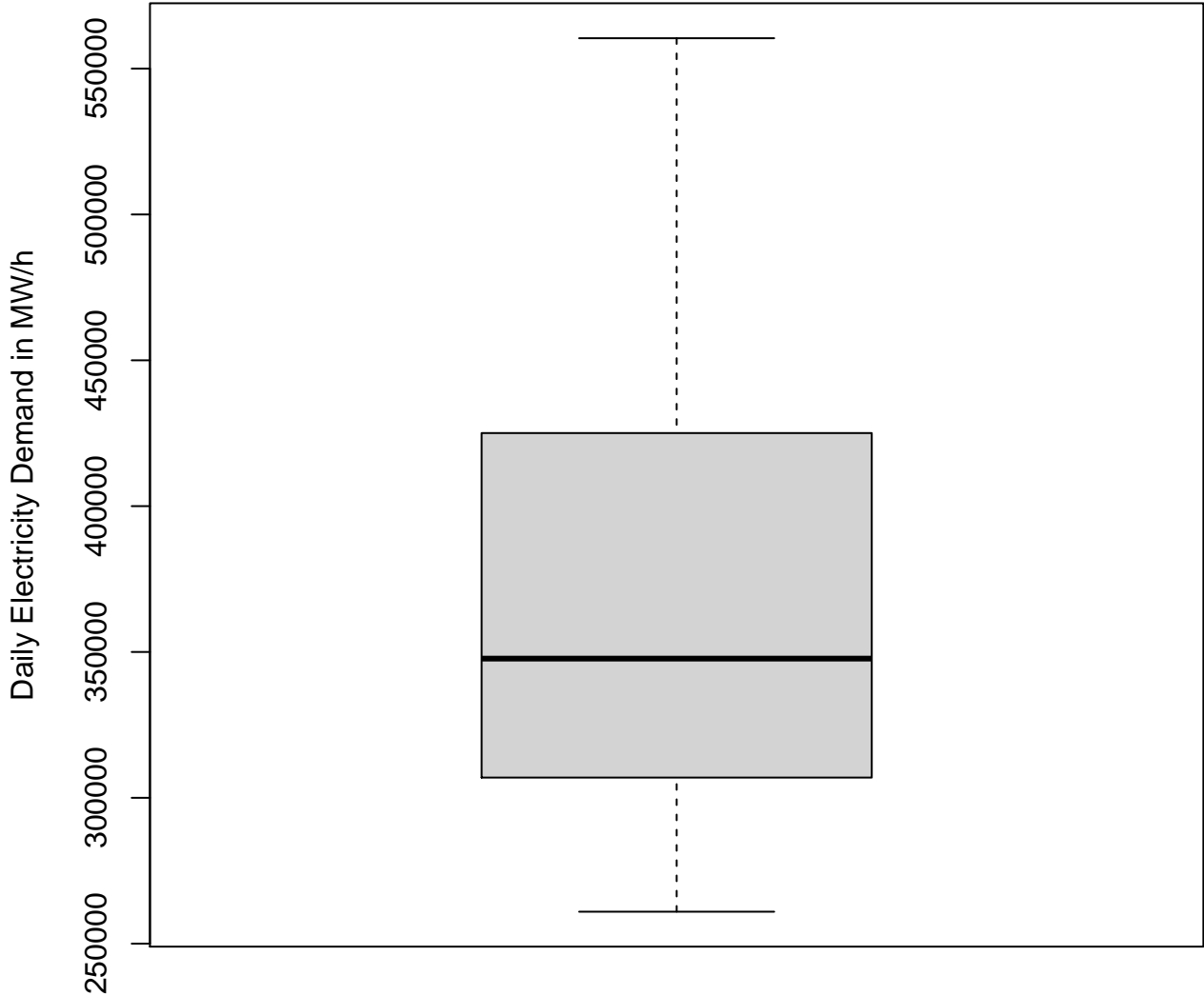


# Outlier Analysis Somme 2016





# Outlier Analysis Somme 2017



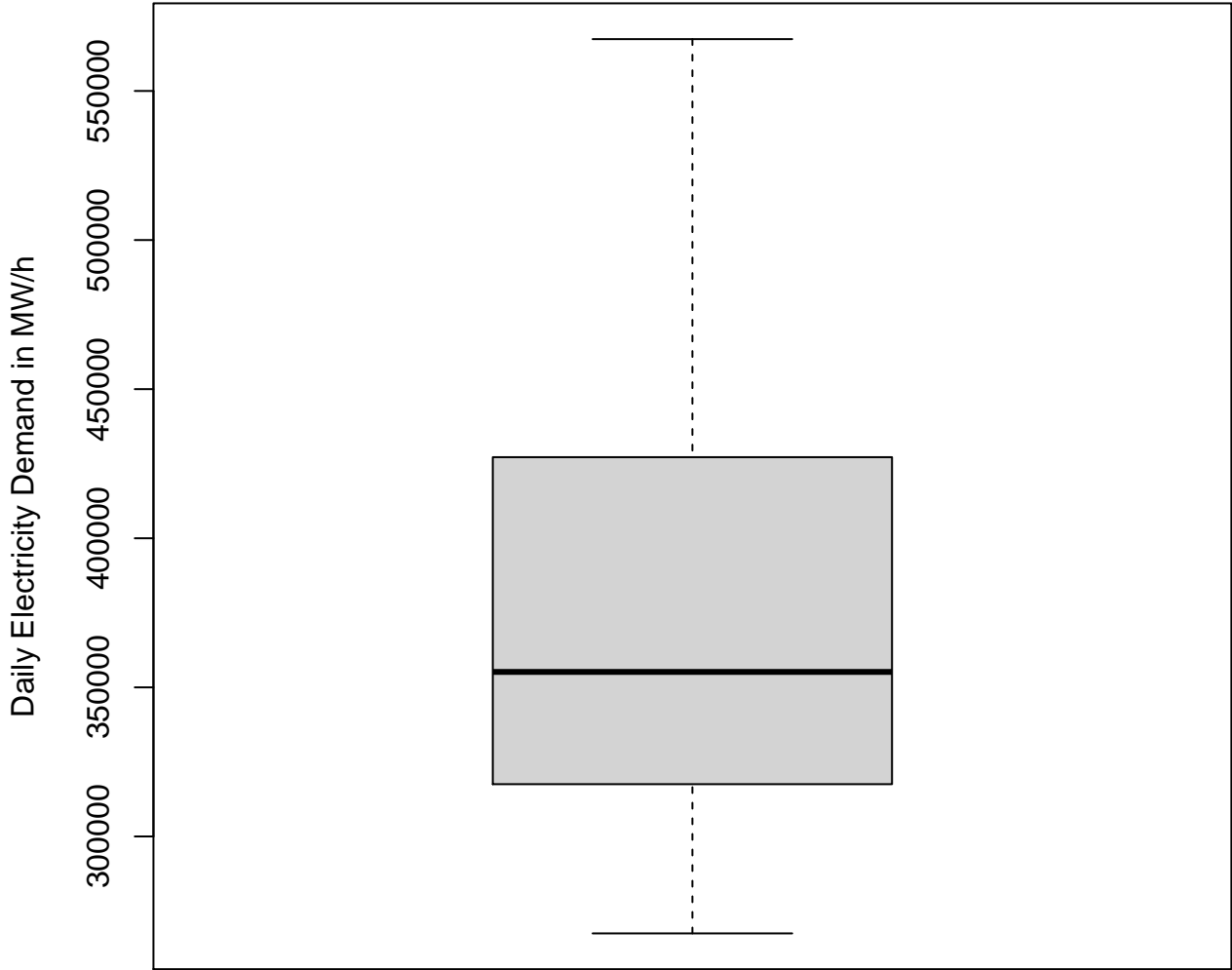
# Outlier Analysis Somme 2018



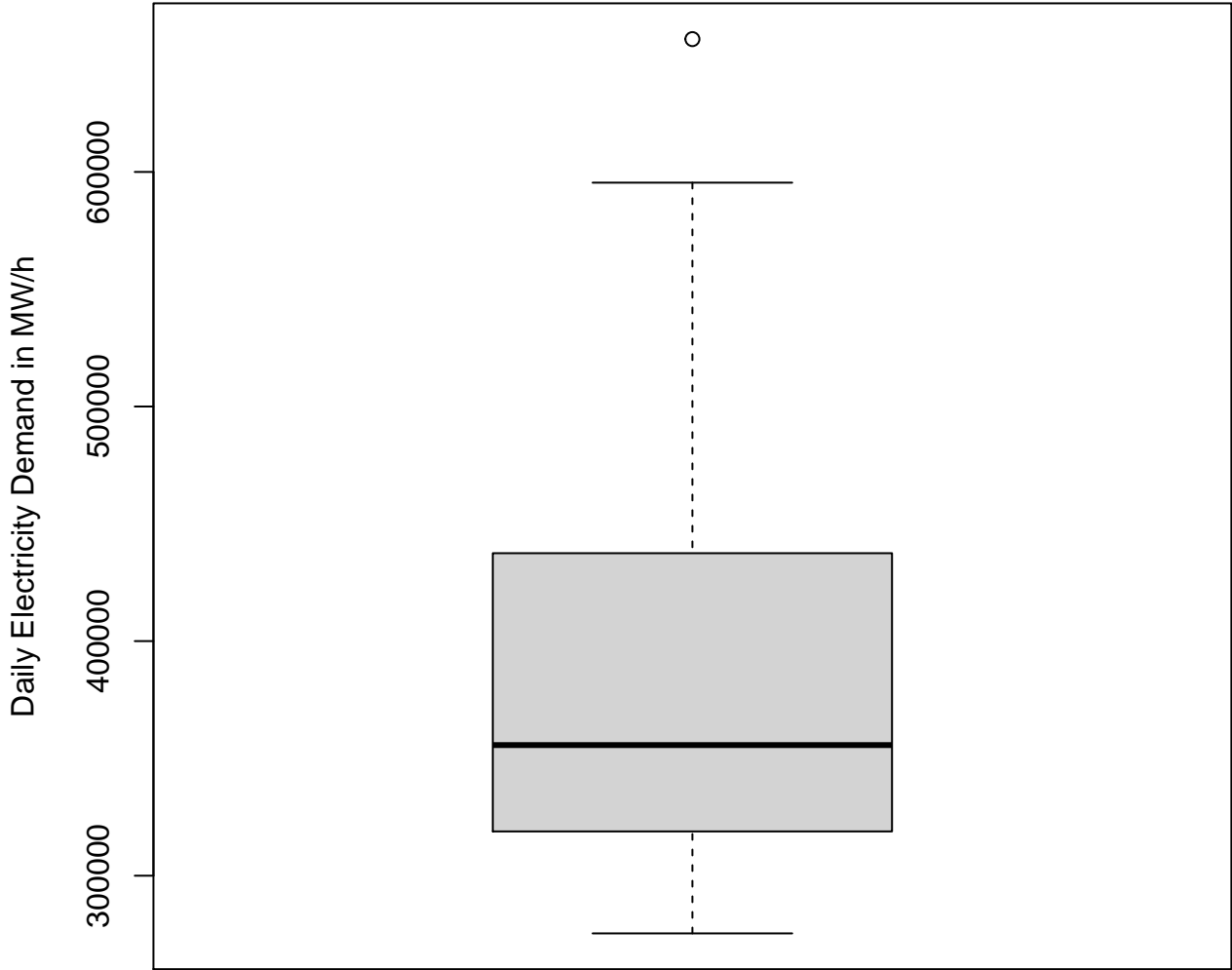
# Outlier Analysis Somme 2019



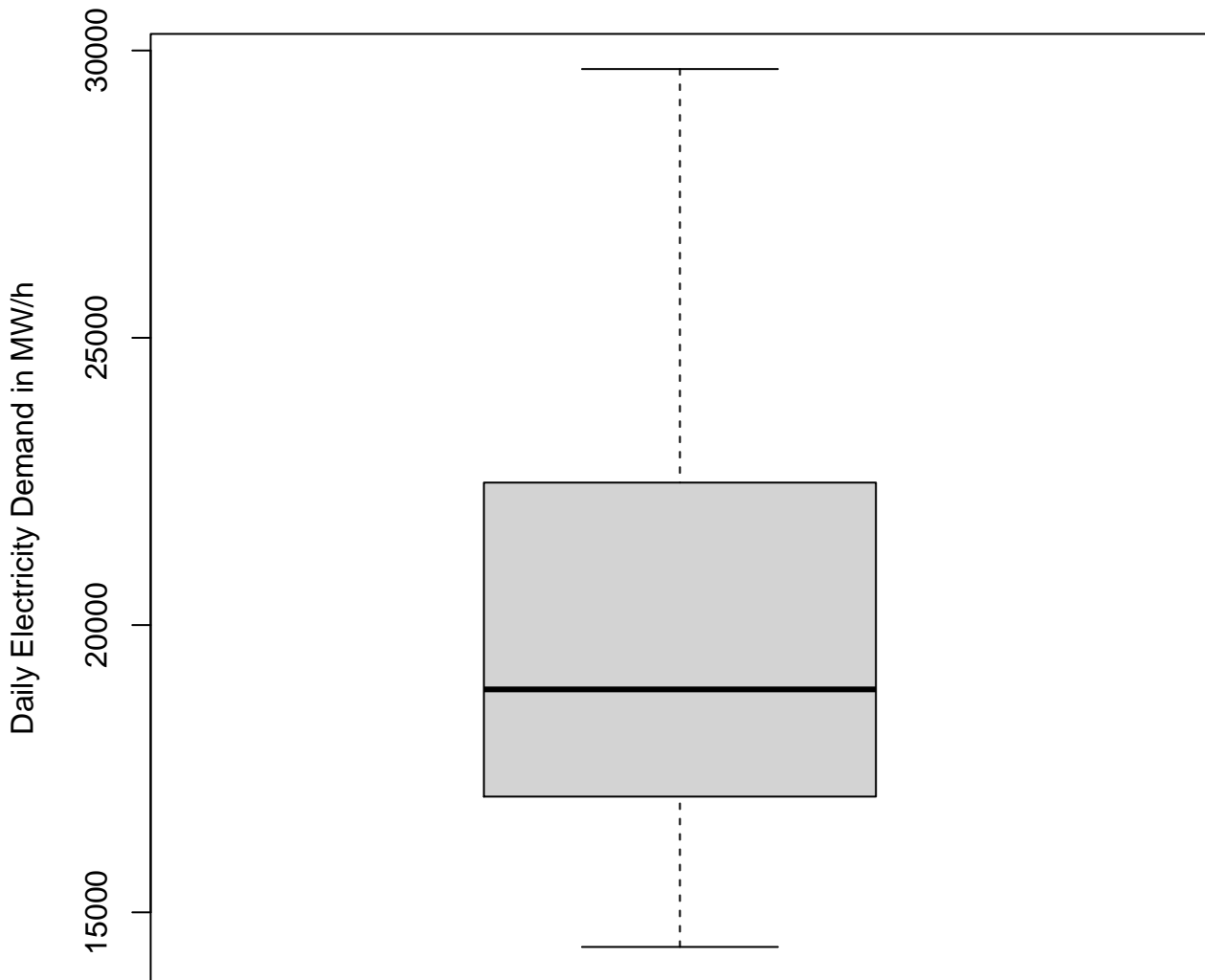
# Outlier Analysis Somme 2020



# Outlier Analysis Somme 2021



## Outlier Analysis North 2012



## Outlier Analysis North 2013

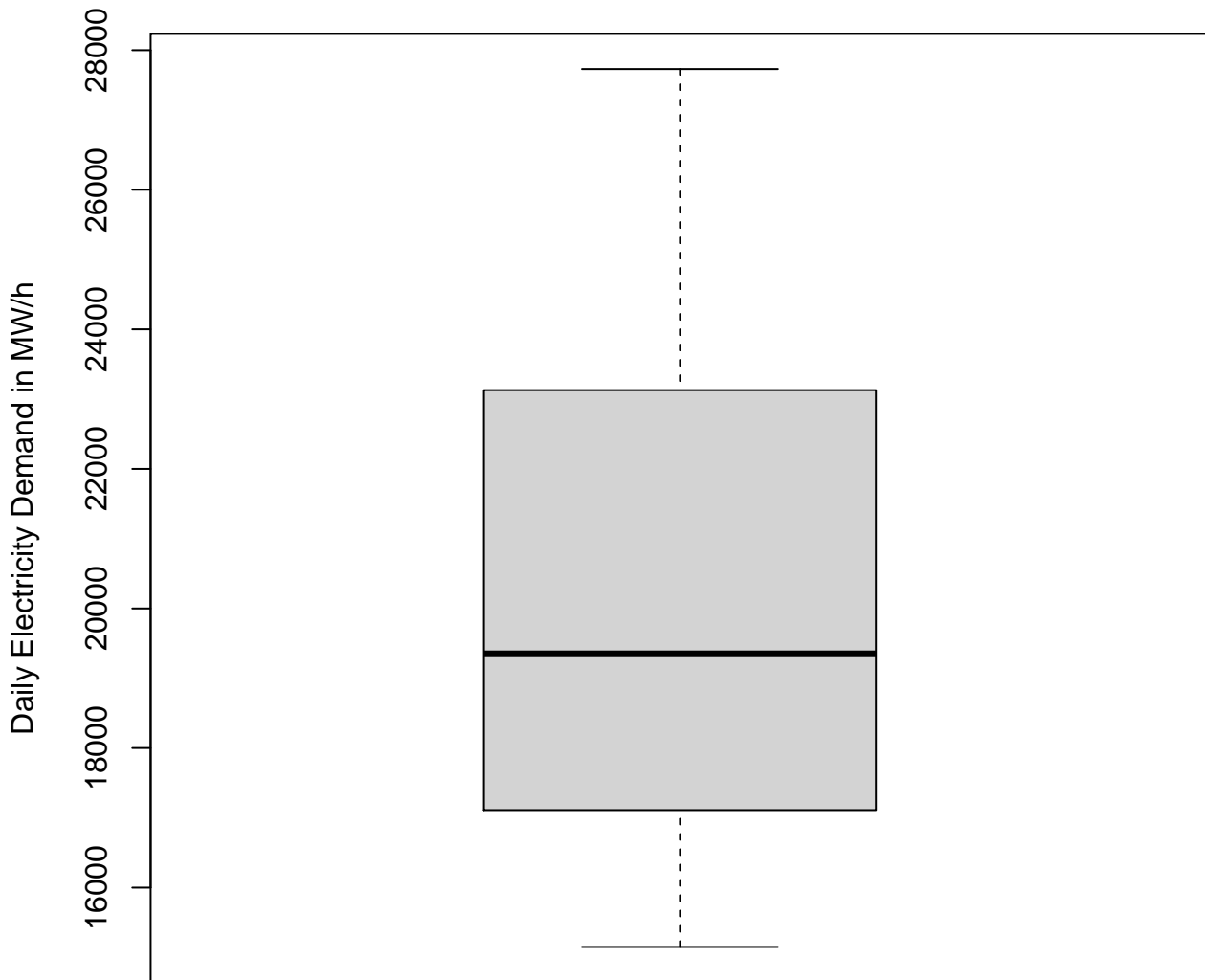


## Outlier Analysis North 2014





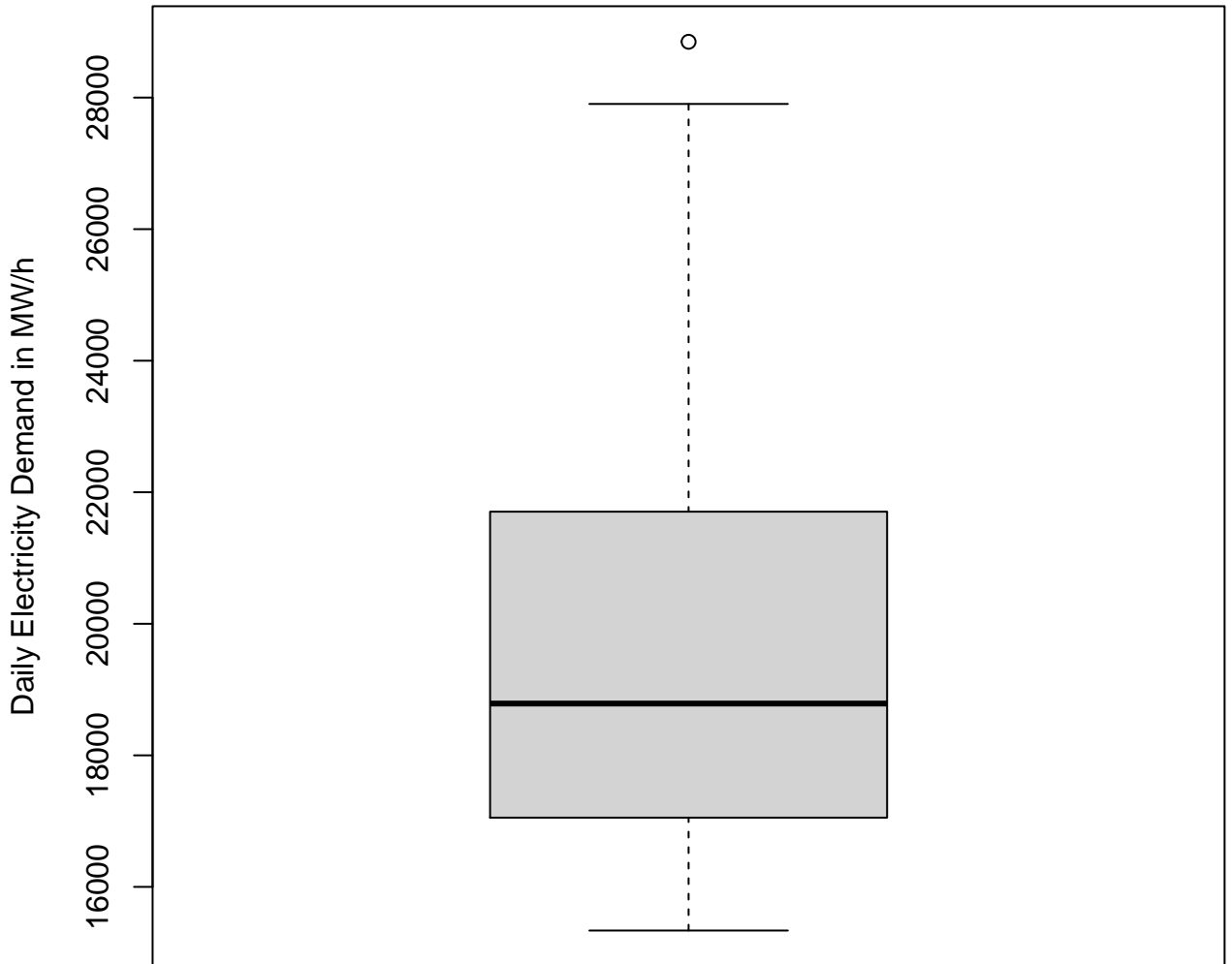
## Outlier Analysis North 2015



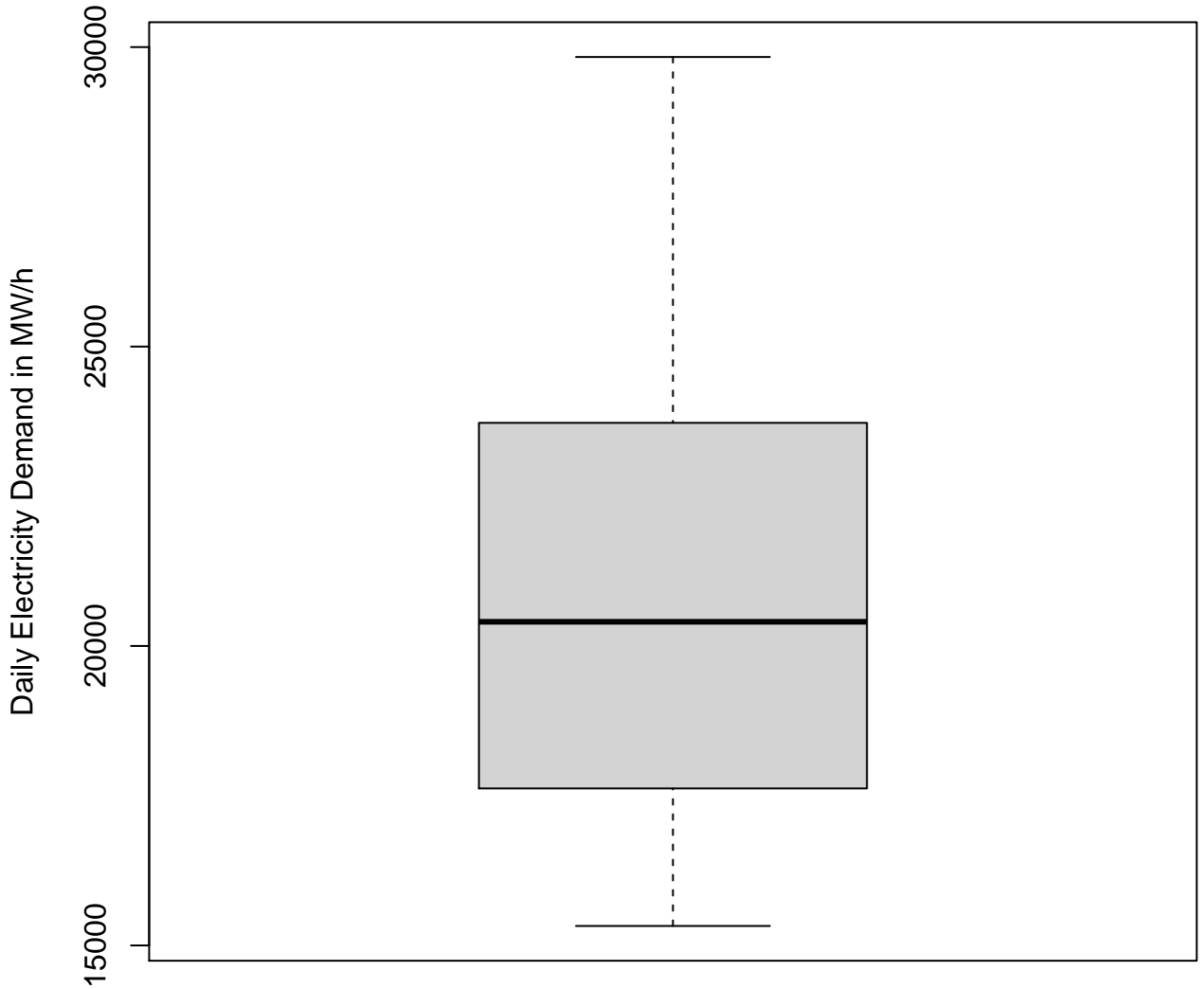
## Outlier Analysis North 2016



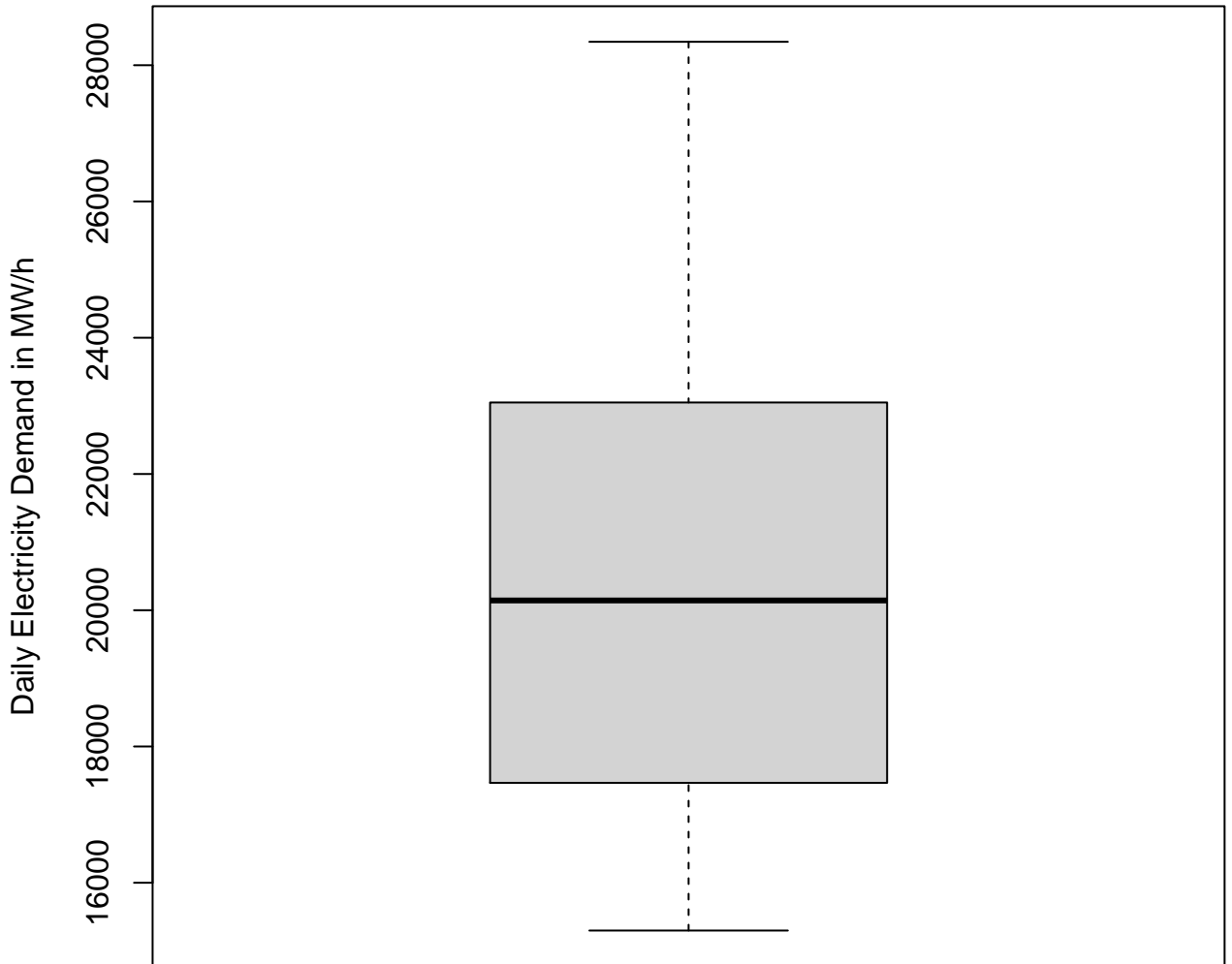
## Outlier Analysis North 2017



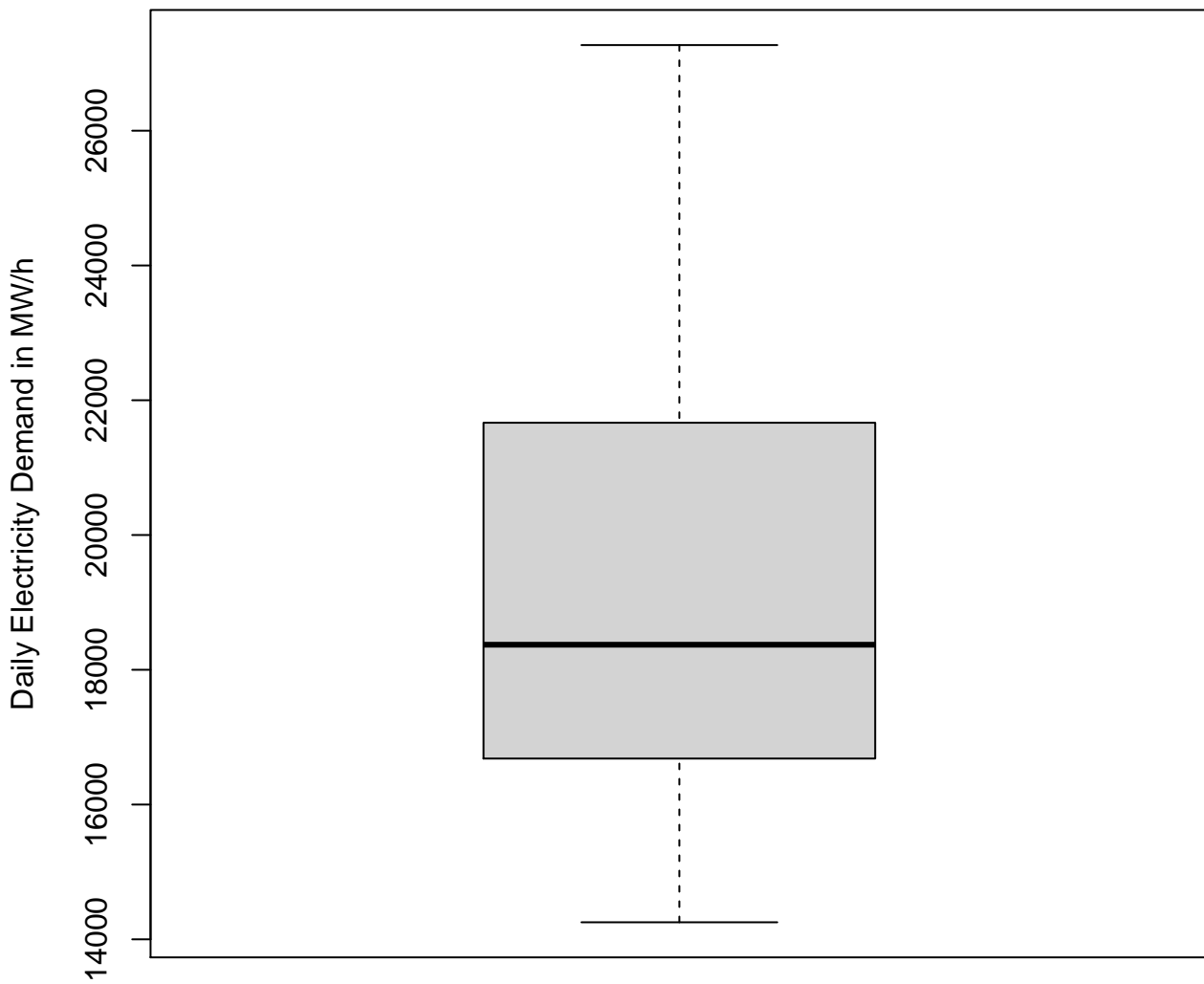
## Outlier Analysis North 2018



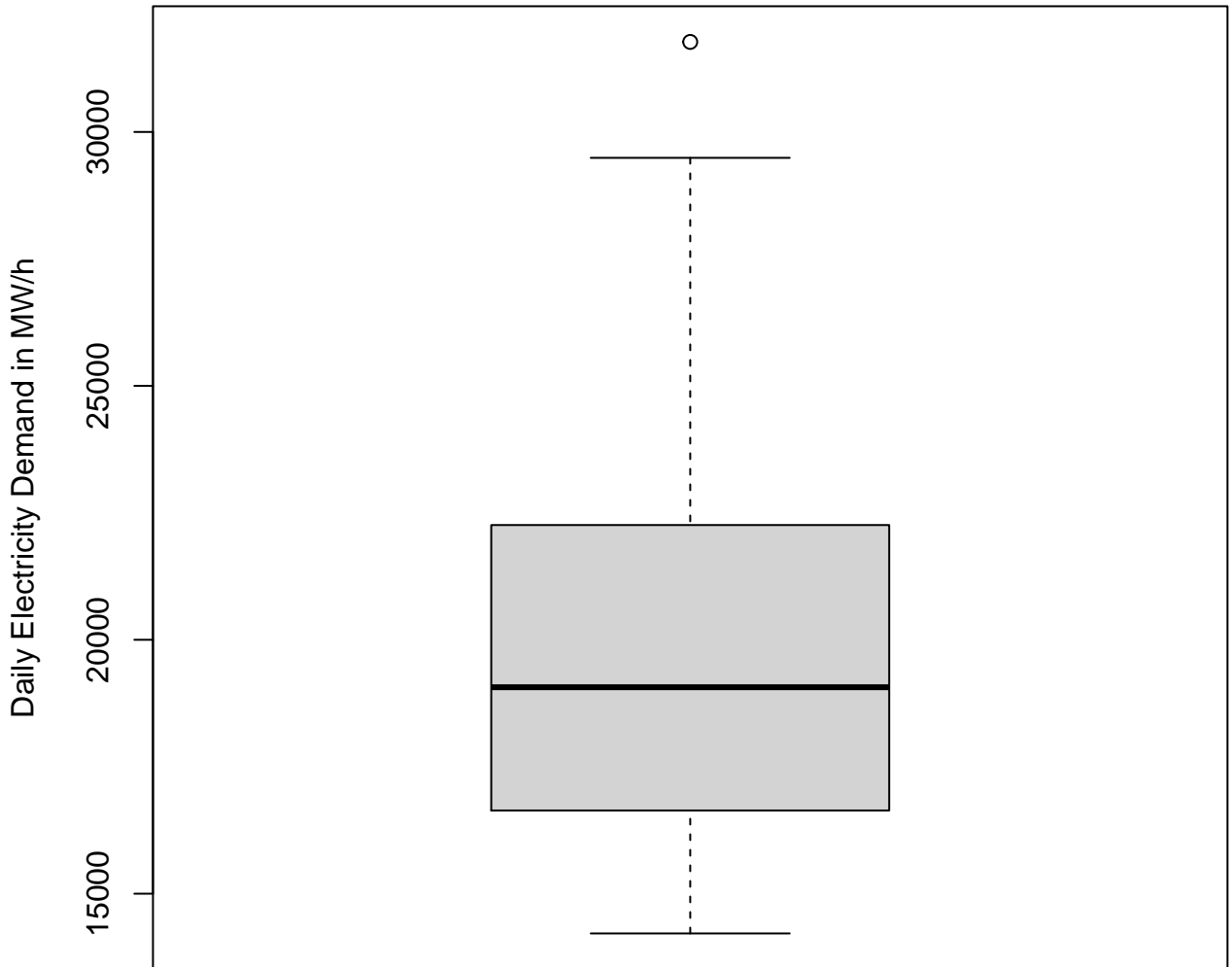
## Outlier Analysis North 2019



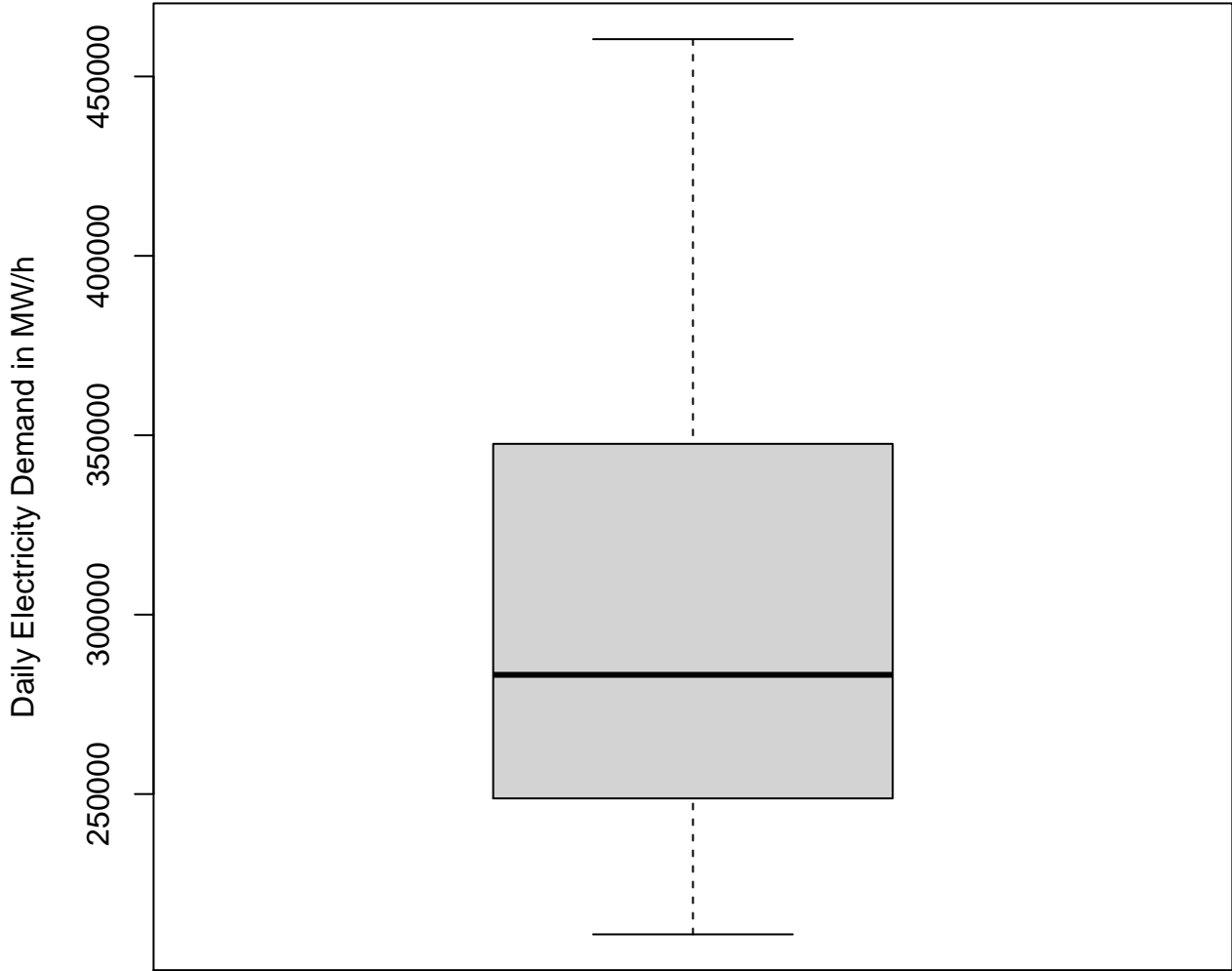
## Outlier Analysis North 2020



## Outlier Analysis North 2021

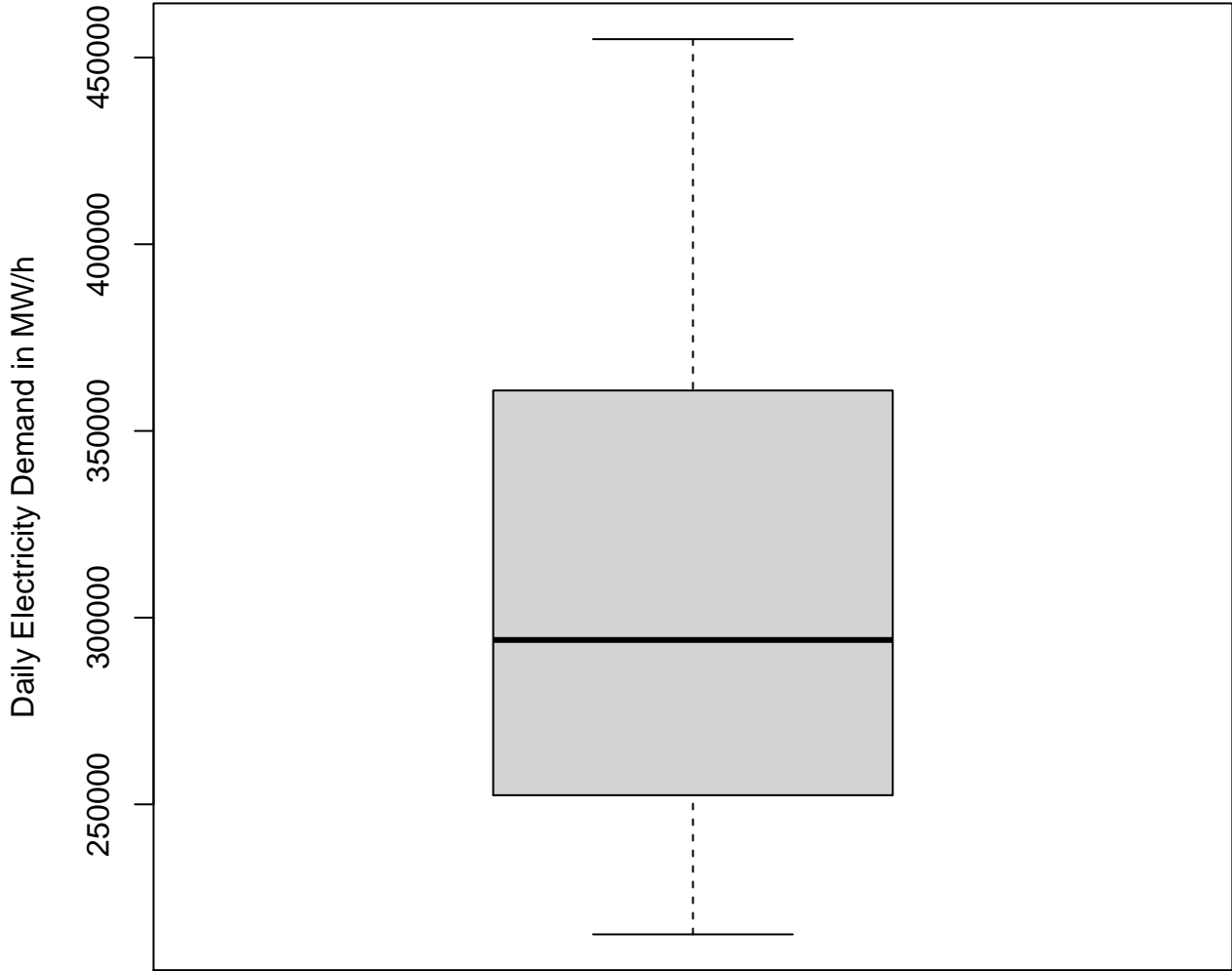


# Outlier Analysis North Central 2012





# Outlier Analysis North Central 2013



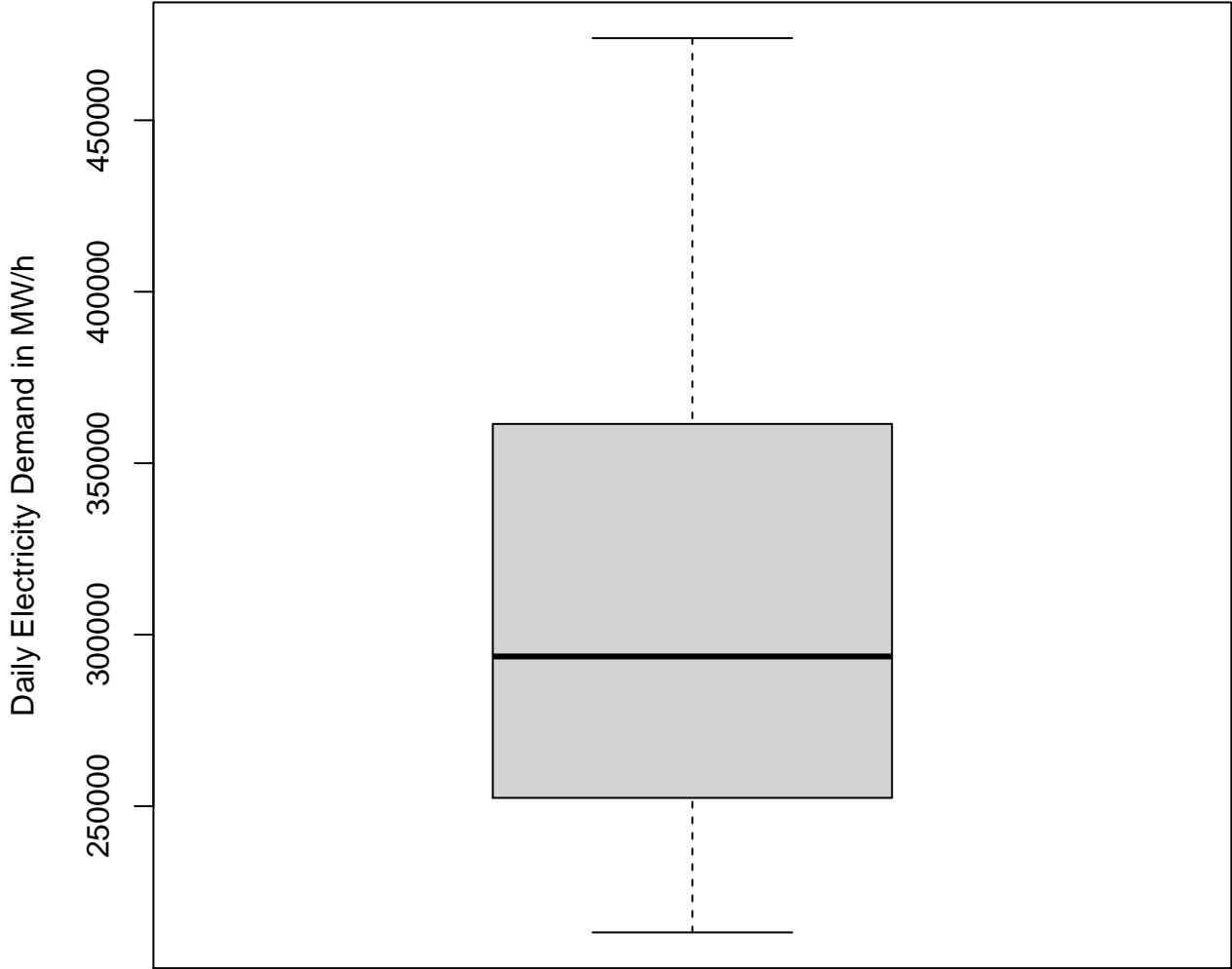
# Outlier Analysis North Central 2014



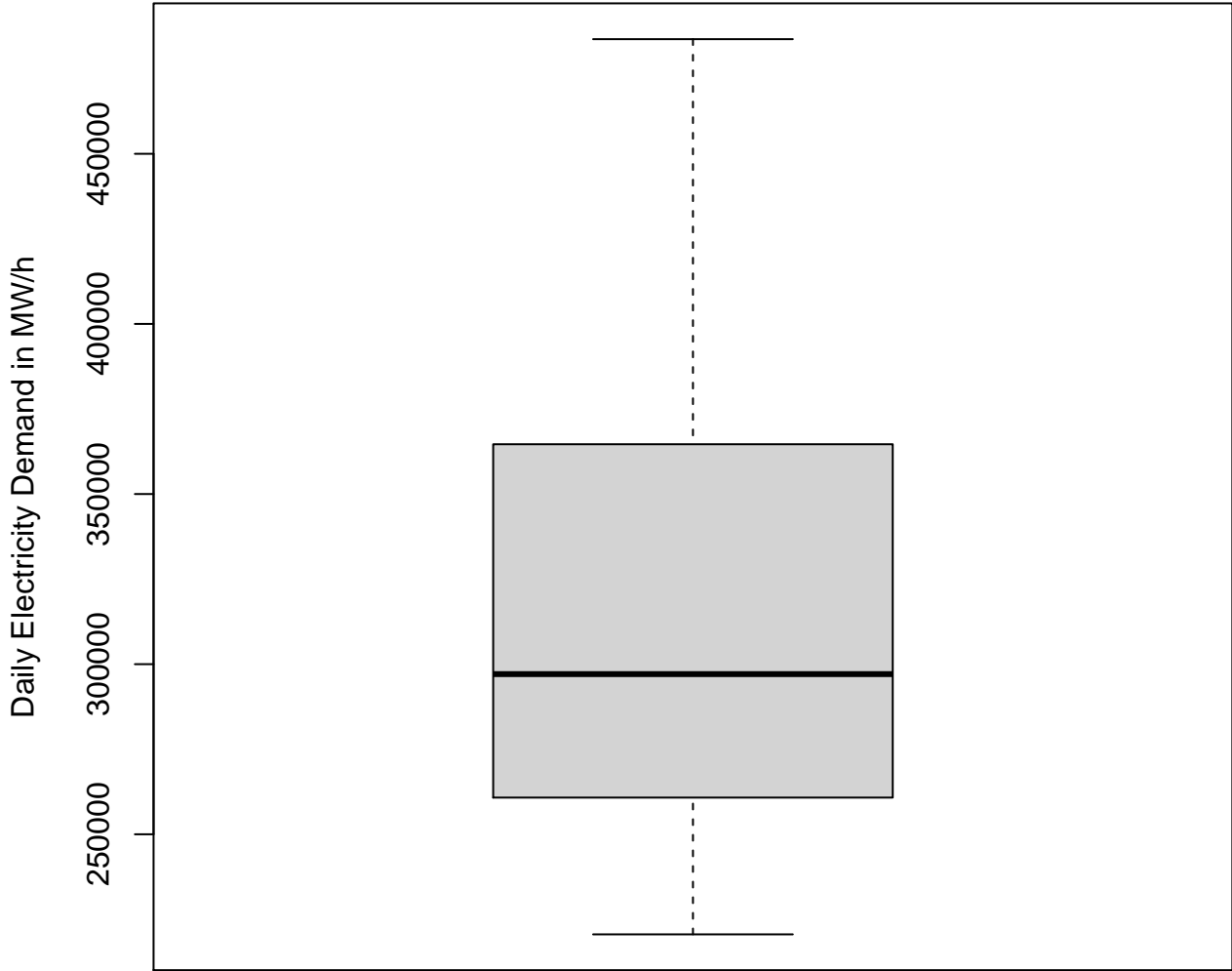
# Outlier Analysis North Central 2015



# Outlier Analysis North Central 2016



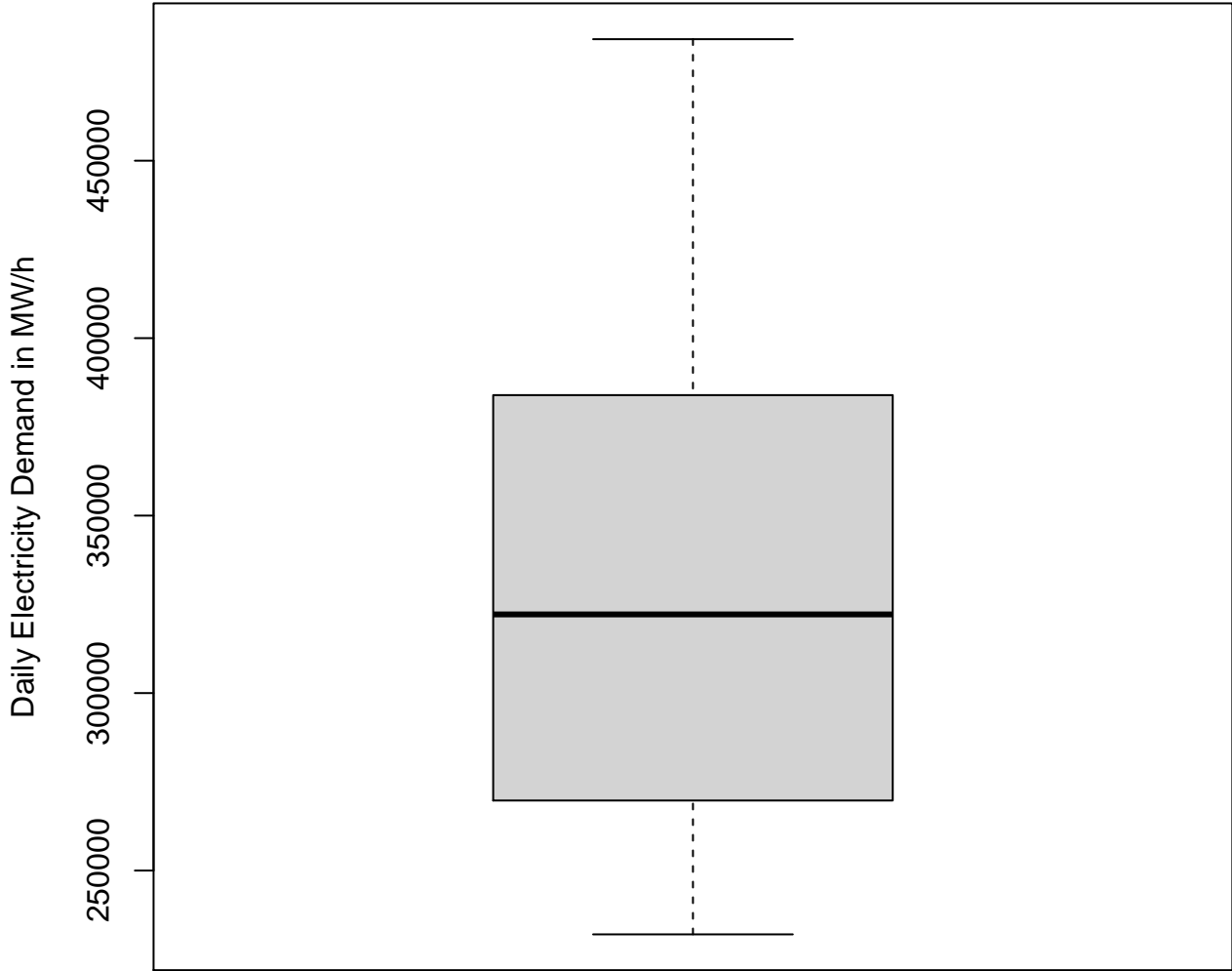
# Outlier Analysis North Central 2017



# Outlier Analysis North Central 2018



# Outlier Analysis North Central 2019

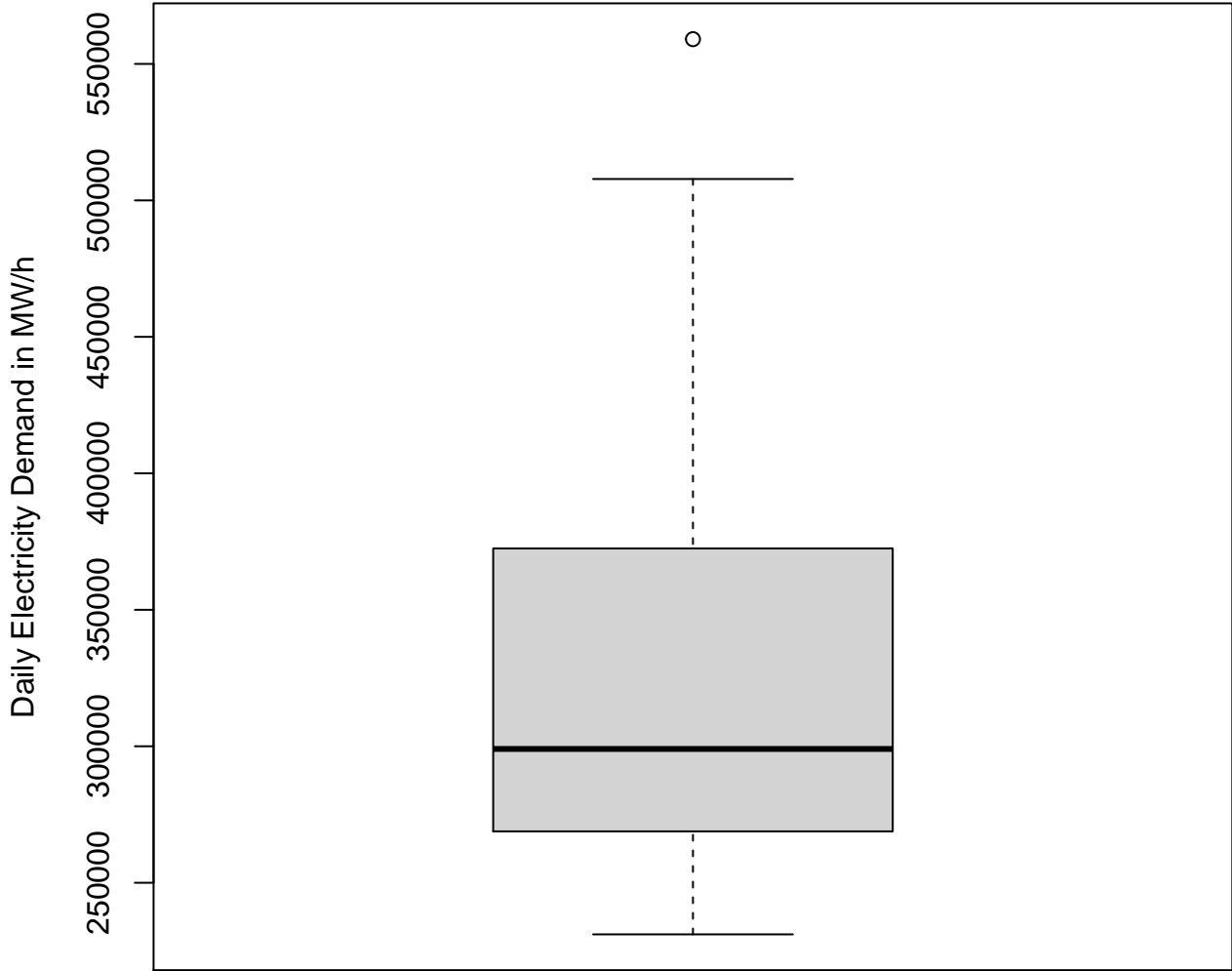


# Outlier Analysis North Central 2020

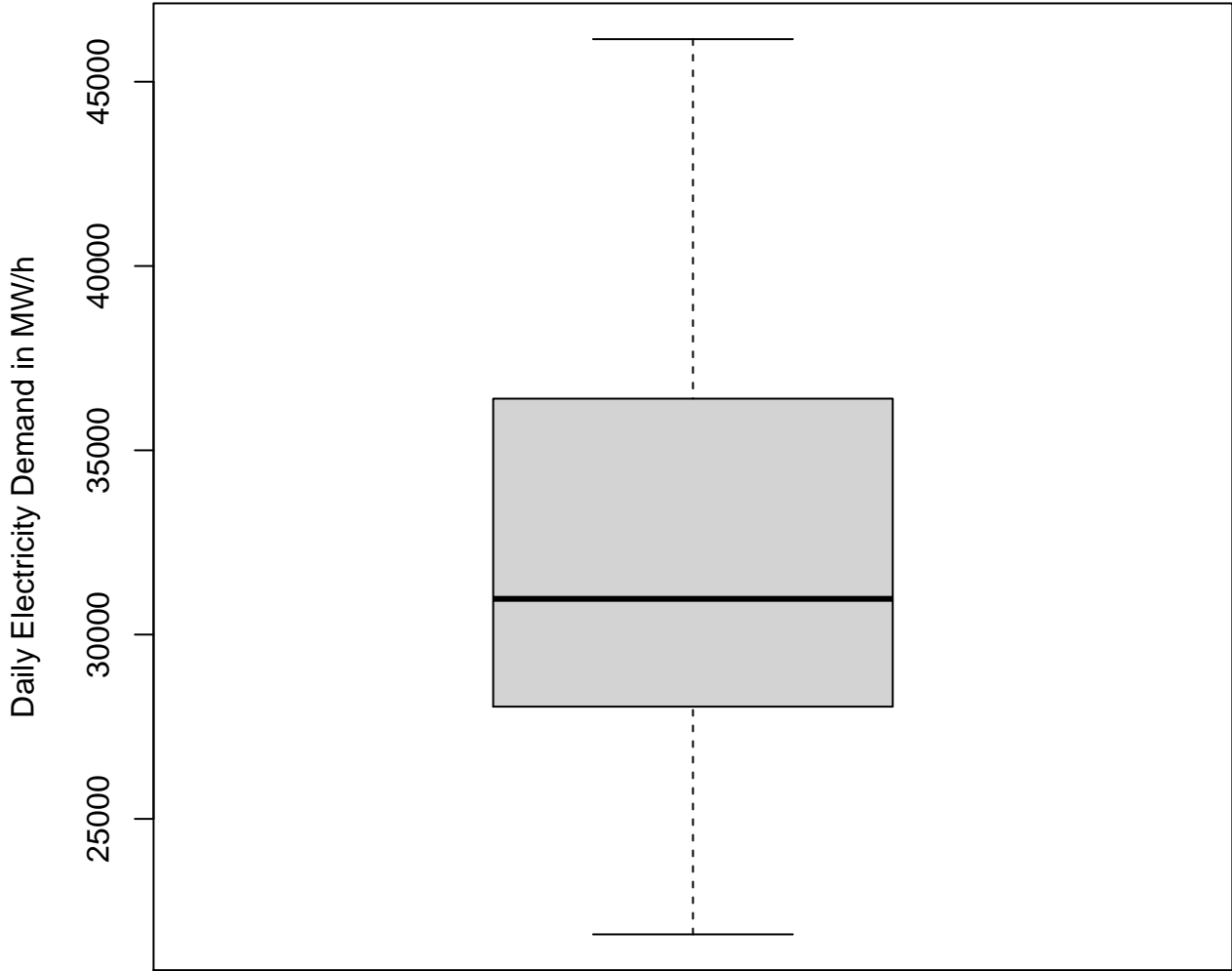




# Outlier Analysis North Central 2021



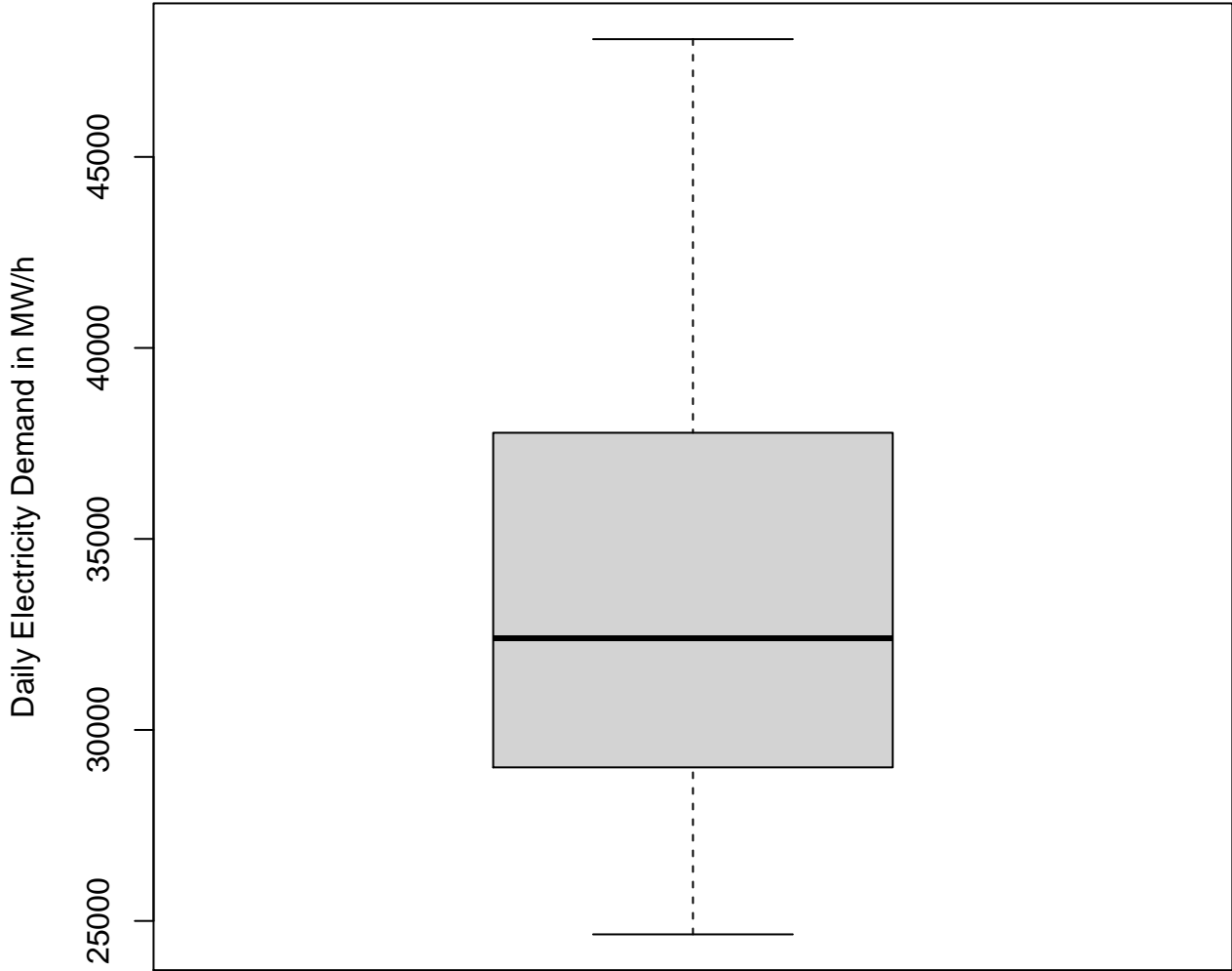
# Outlier Analysis East 2012



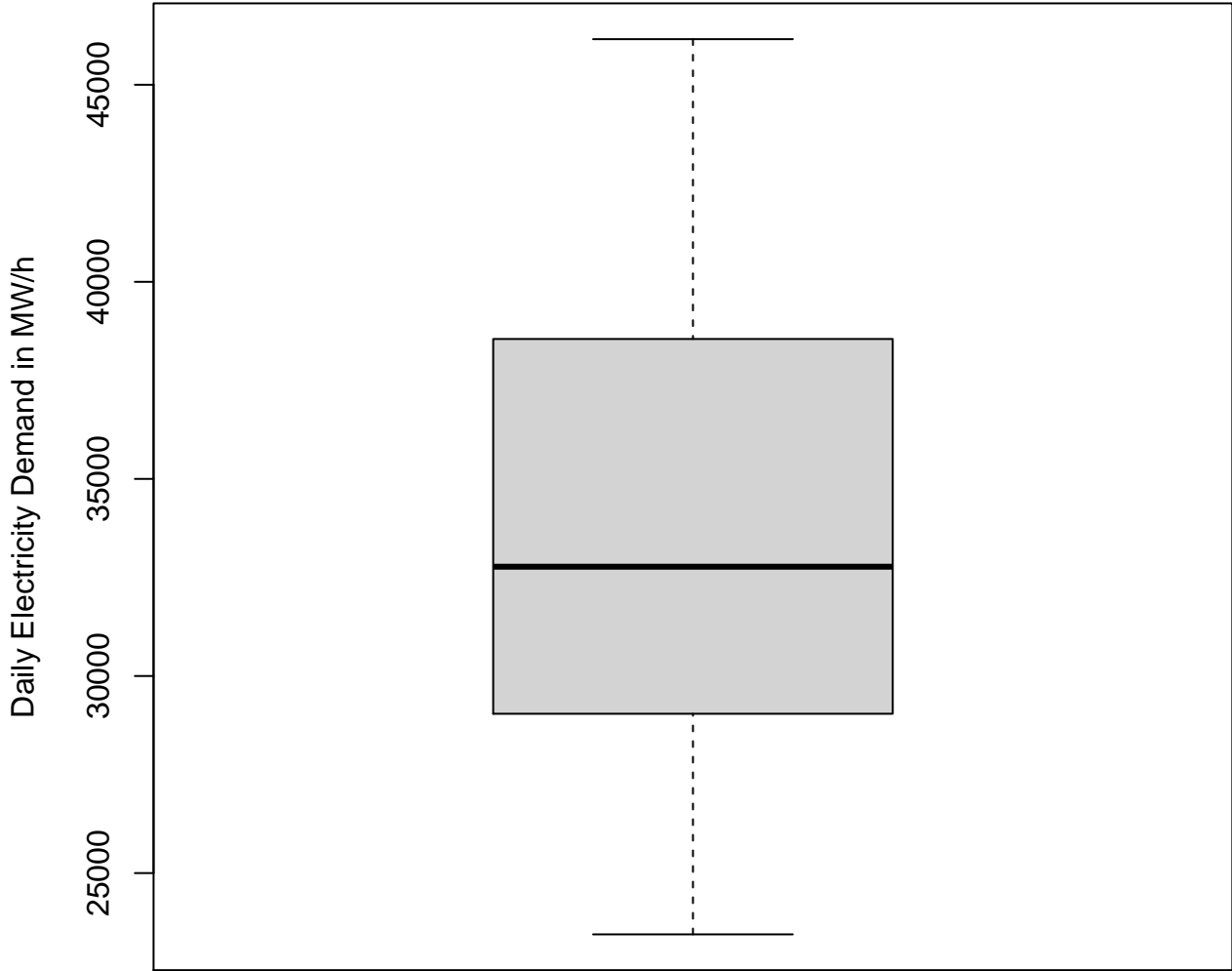
# Outlier Analysis East 2013



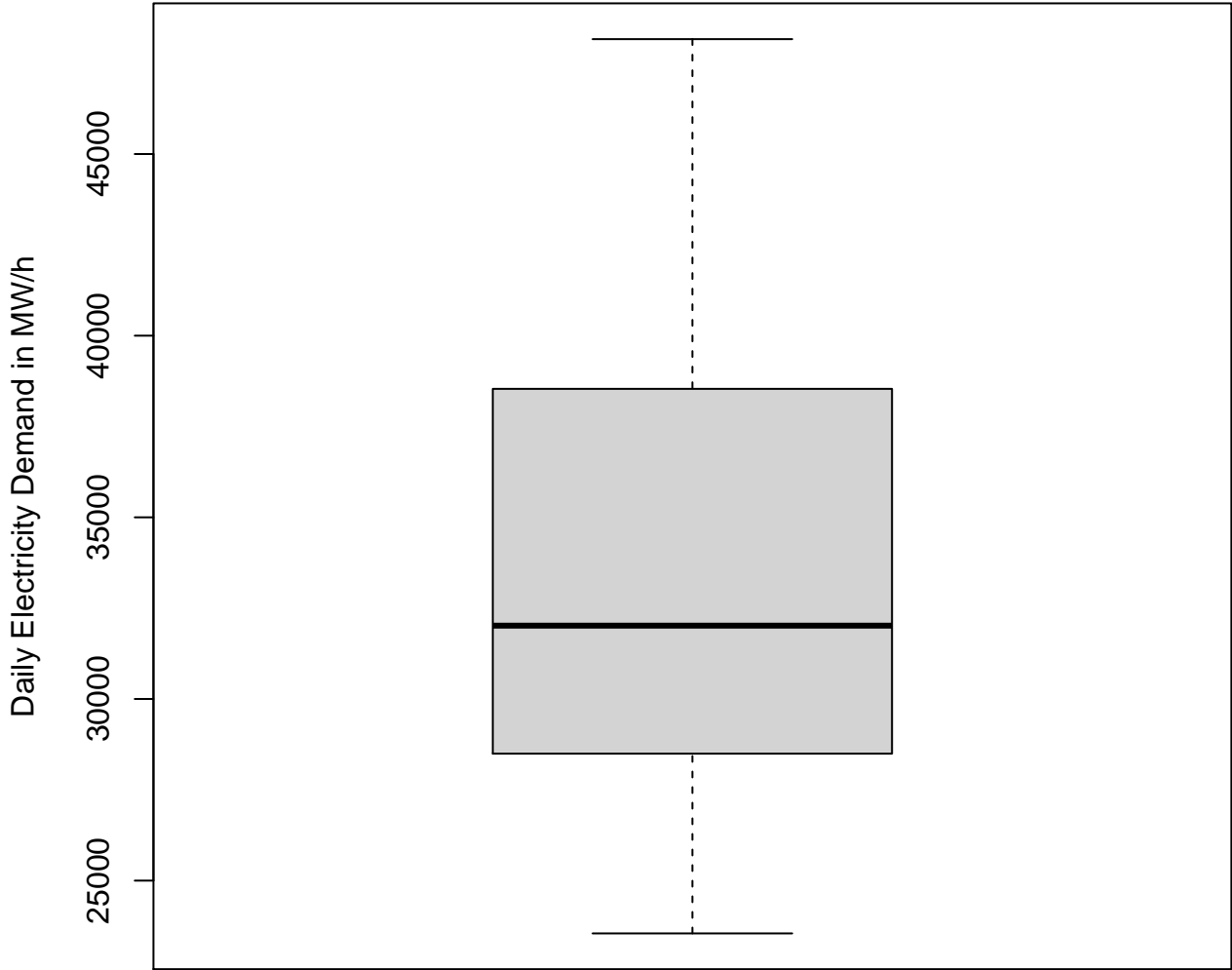
# Outlier Analysis East 2014



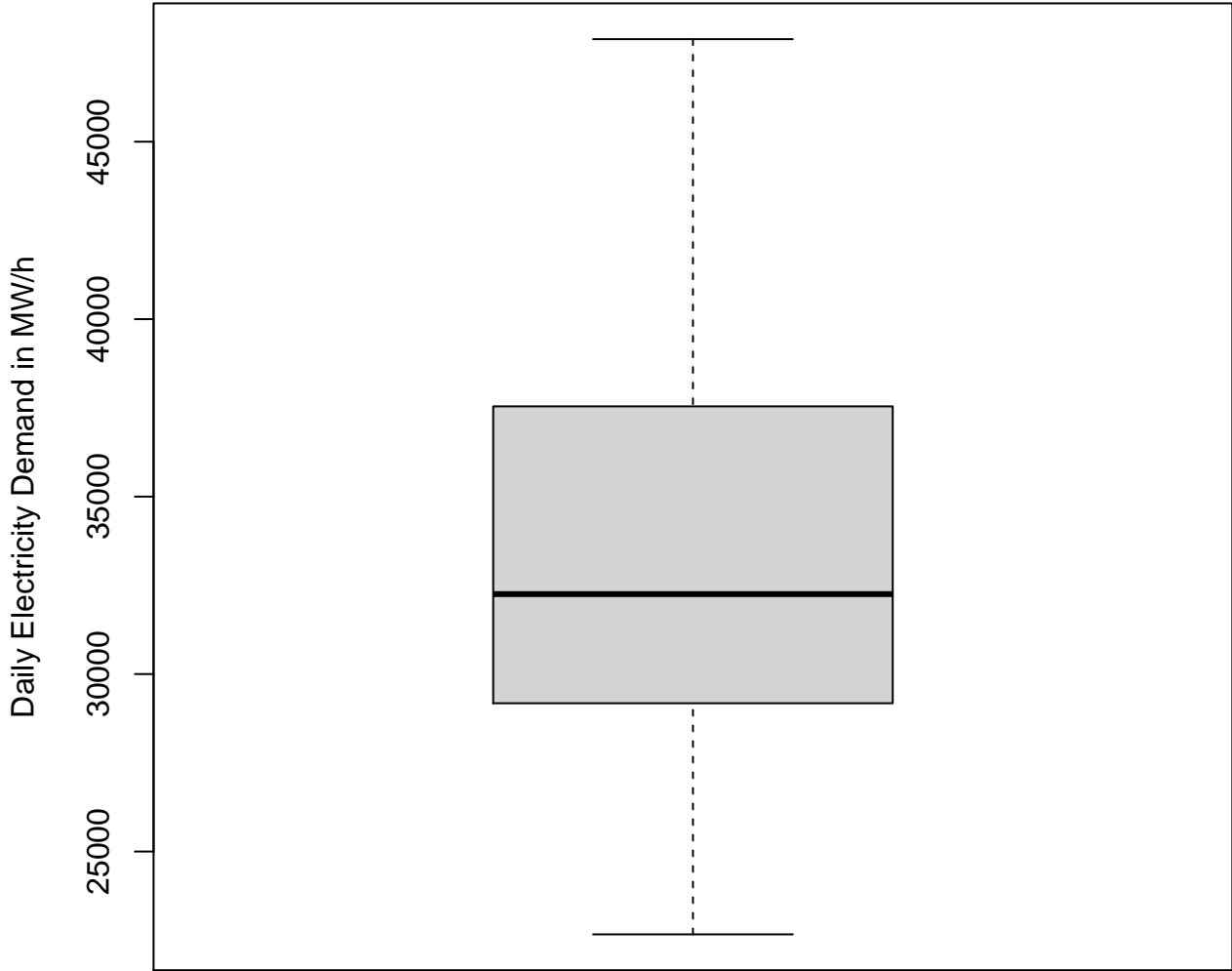
# Outlier Analysis East 2015



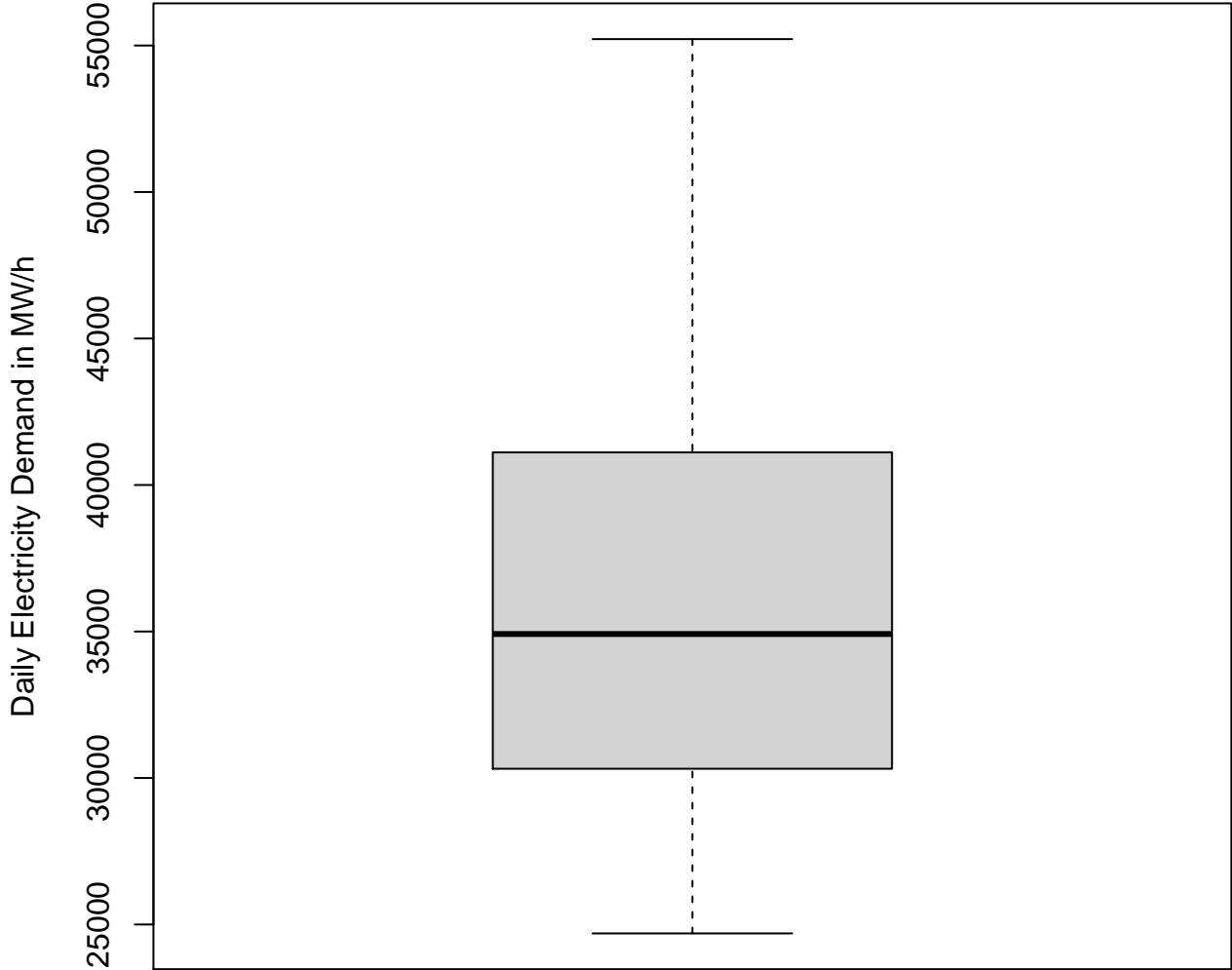
# Outlier Analysis East 2016



# Outlier Analysis East 2017

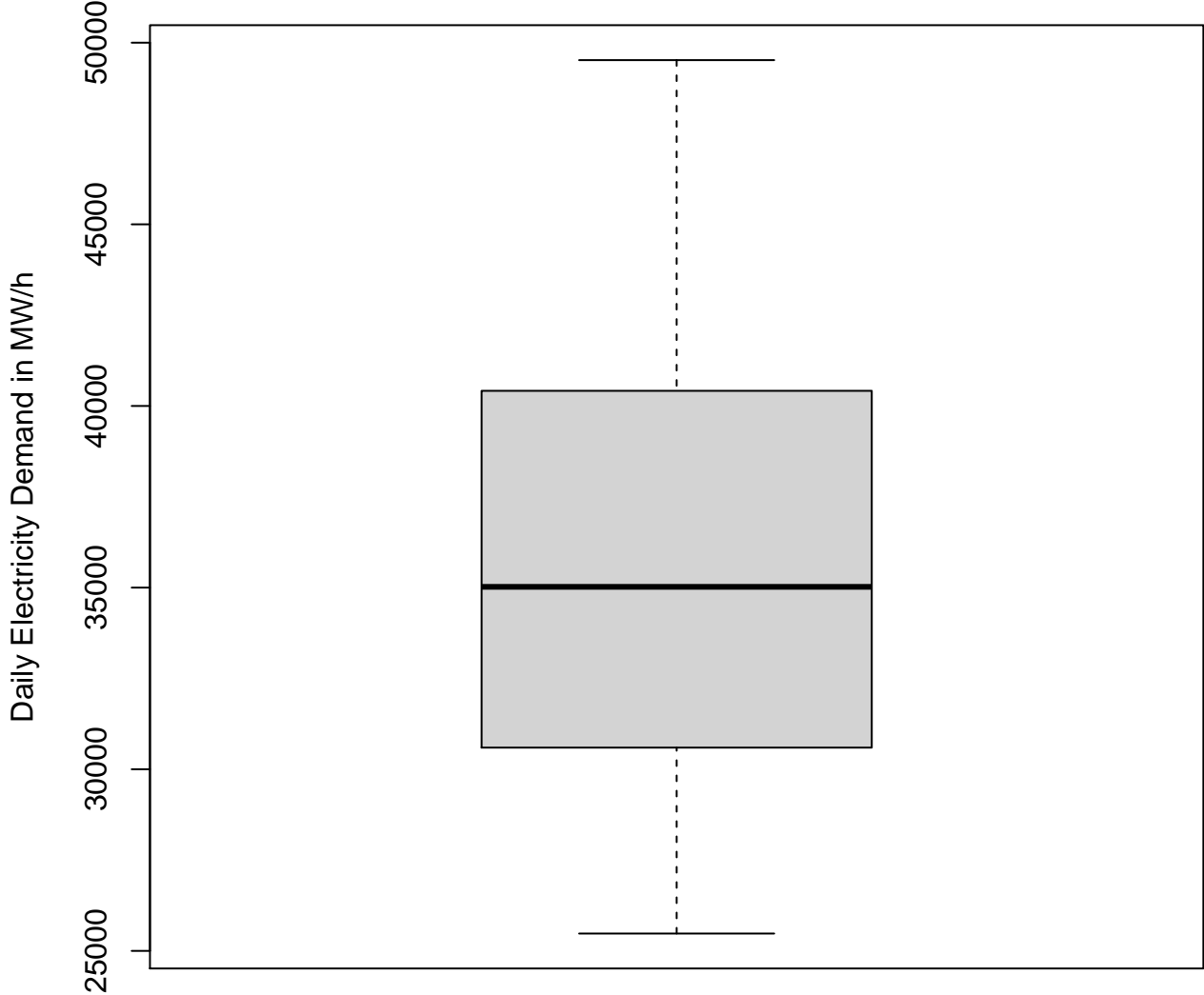


# Outlier Analysis East 2018

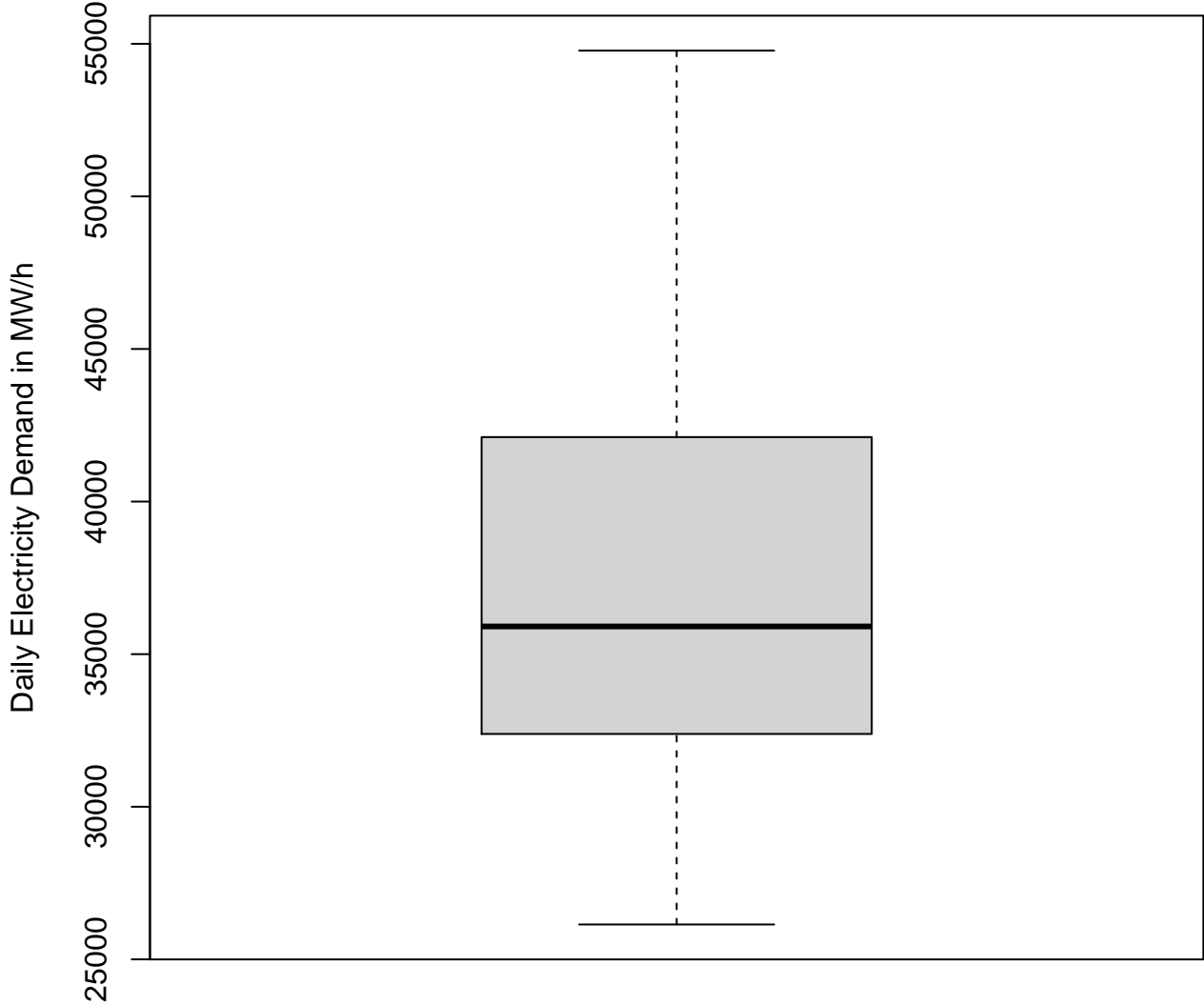




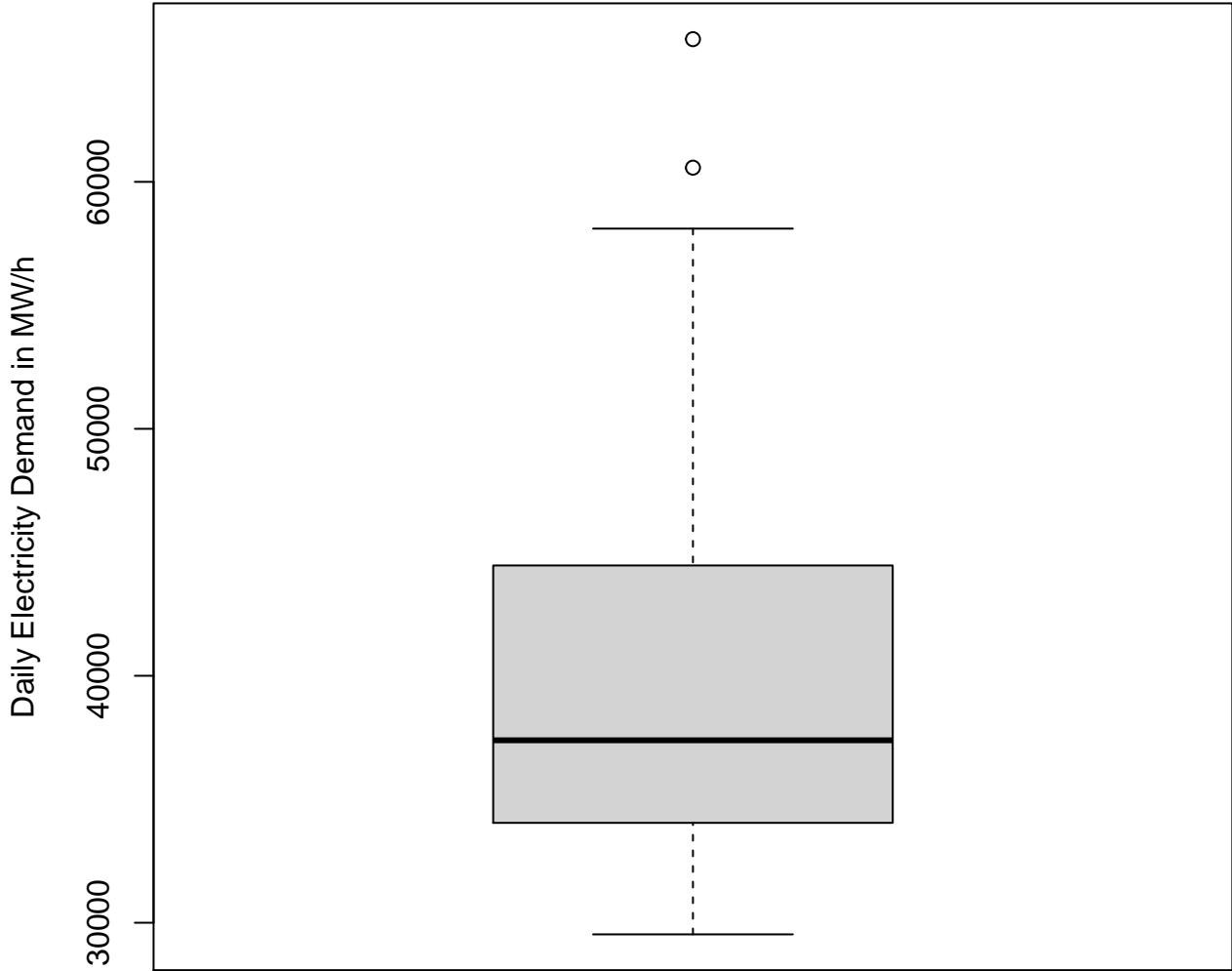
# Outlier Analysis East 2019



# Outlier Analysis East 2020



# Outlier Analysis East 2021



## Effet Jour Ferie SOMME



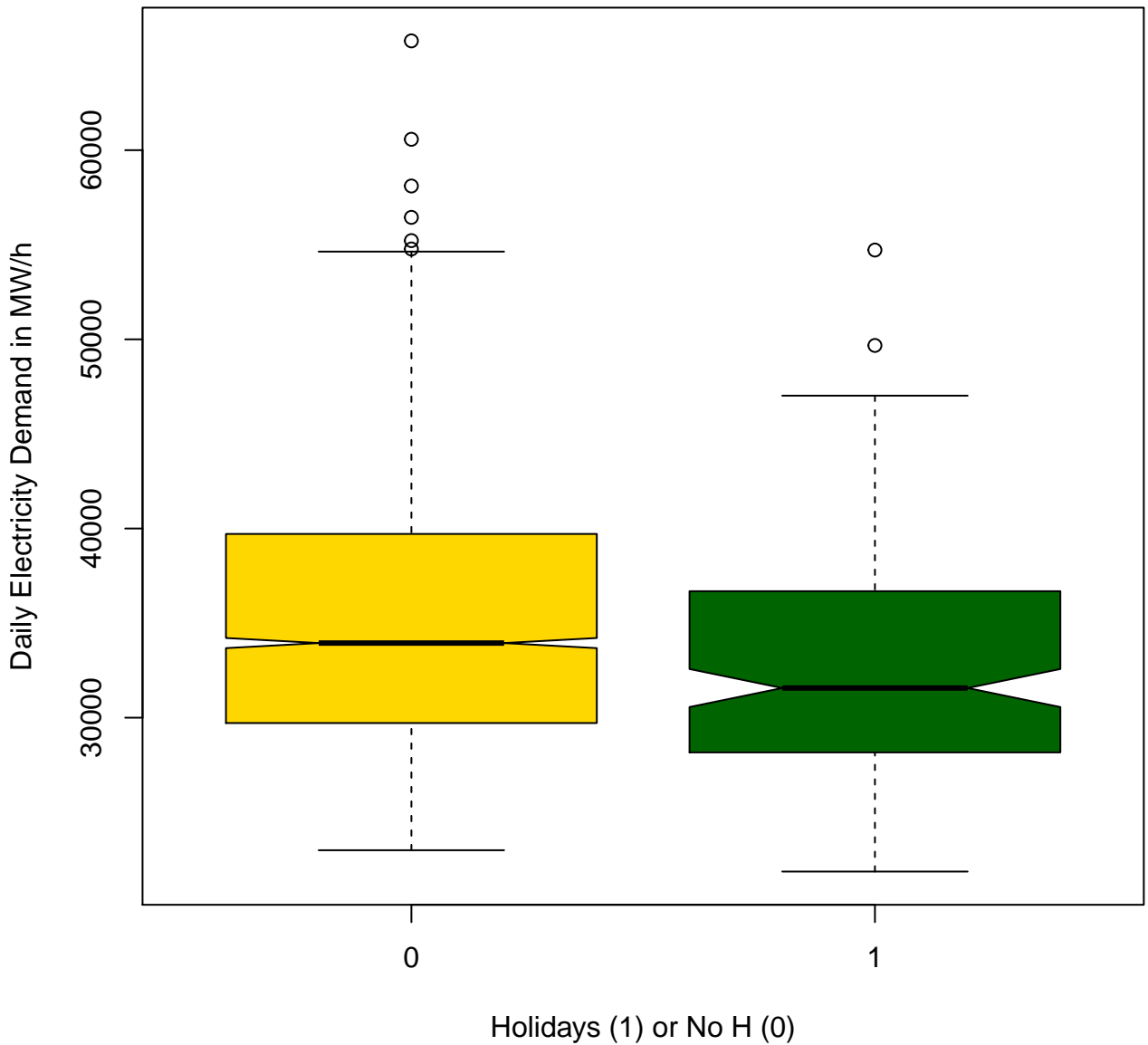
## Effet Jour Ferie NORTH CENTRAL



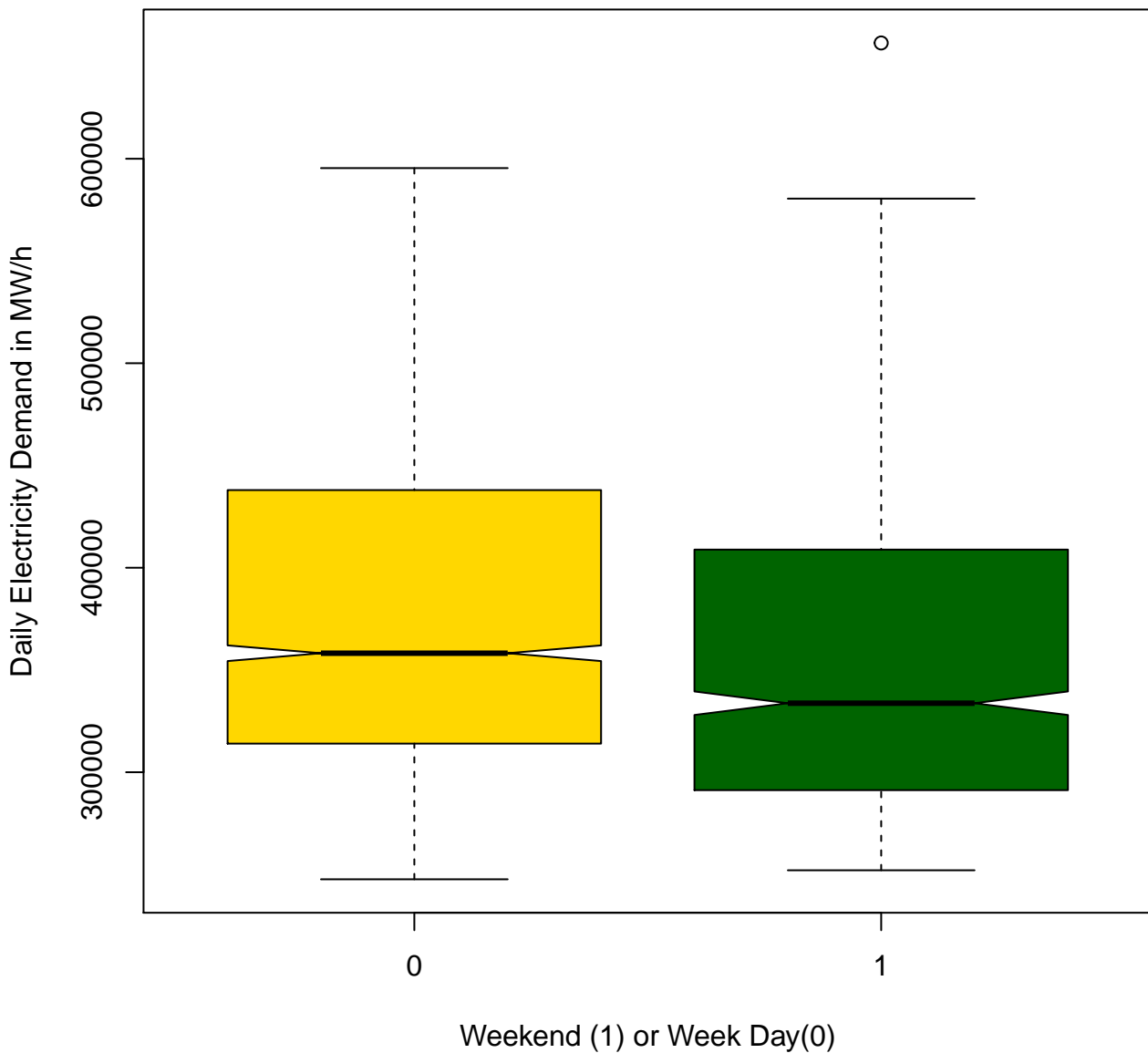
## Effet Jour Ferie NORTH



## Effet Jours Ferie EAST



## Effet Fin de Semaine Somme

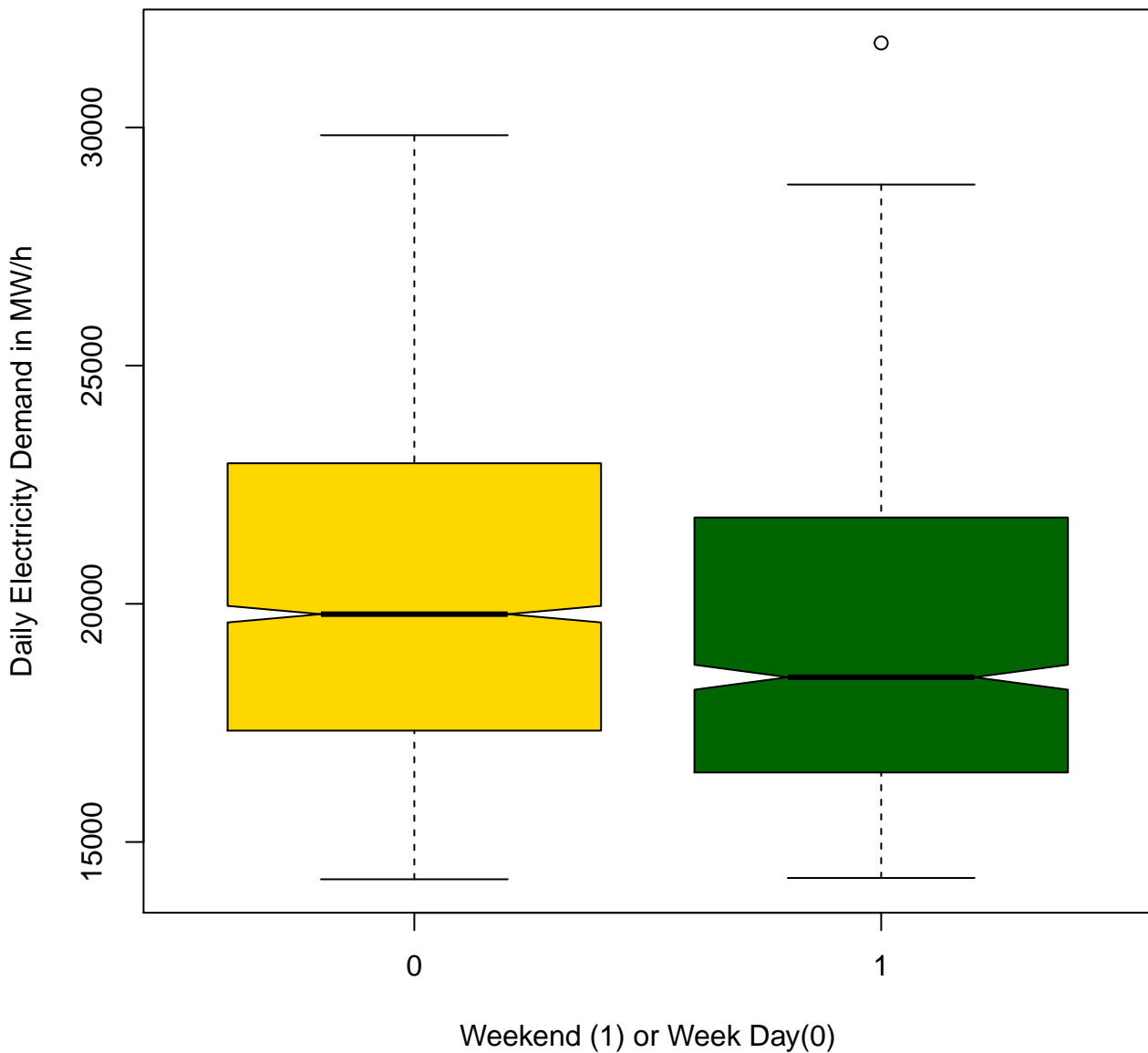




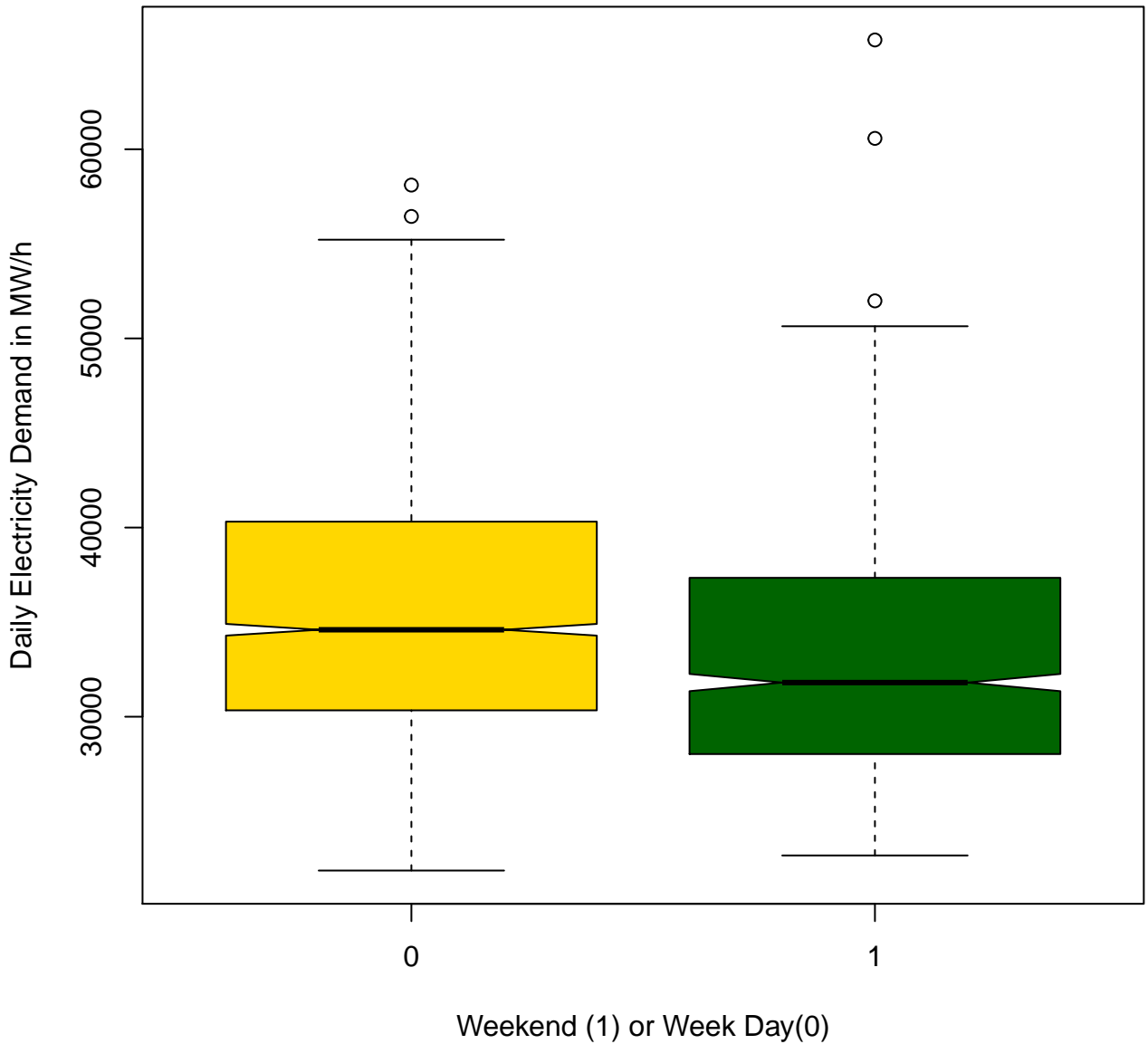
## Effet Fin de Semaine NORTH CENTRAL



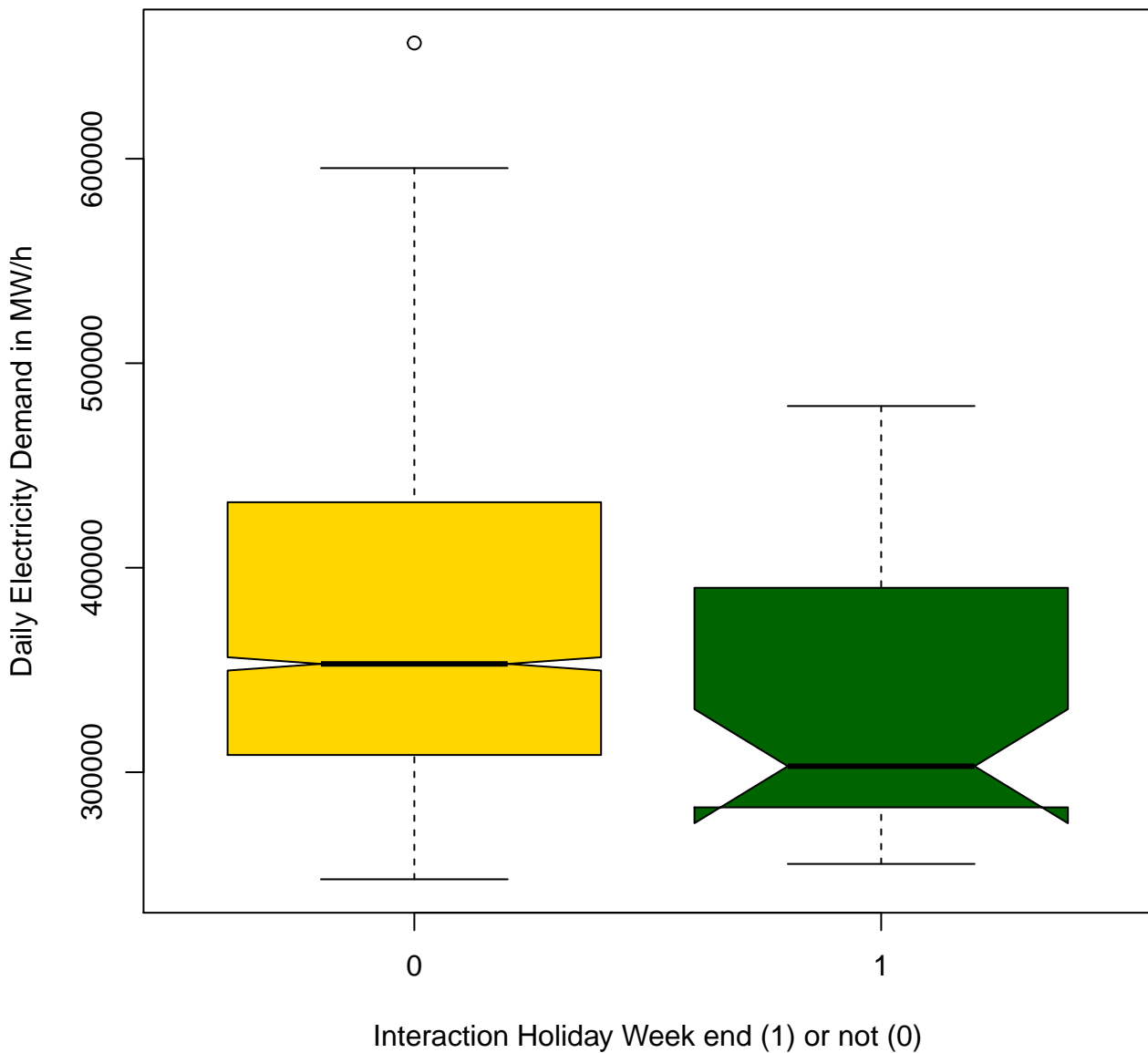
## Effet Fin de Semaine NORTH



## Effet Fin de Semaine EAST



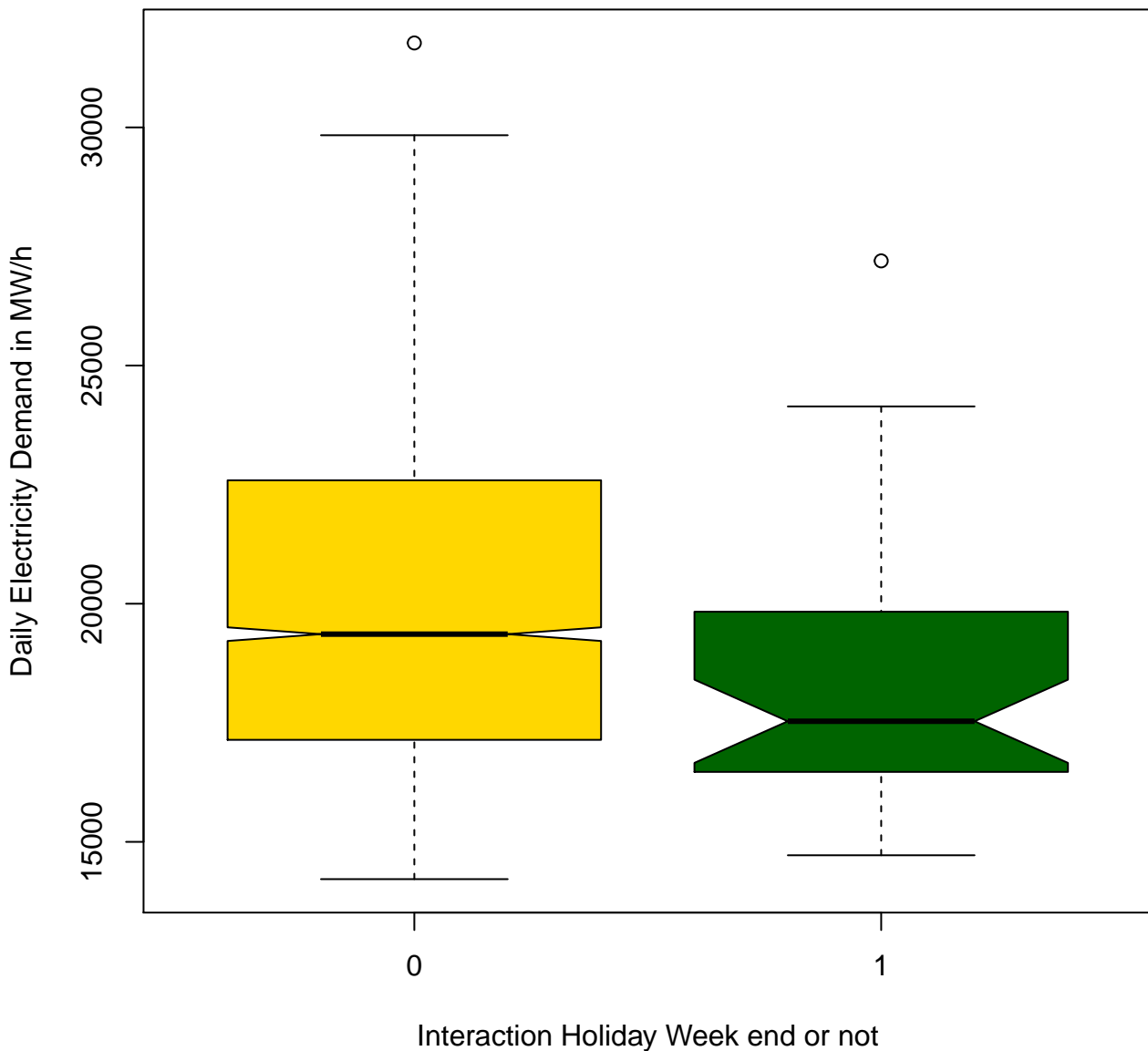
## Jour Ferie Week end Somme



## Jour Ferie Week end NORTH CENTRAL



## Jour Ferie Week end NORTH



## Jour Ferie Week end EAST

