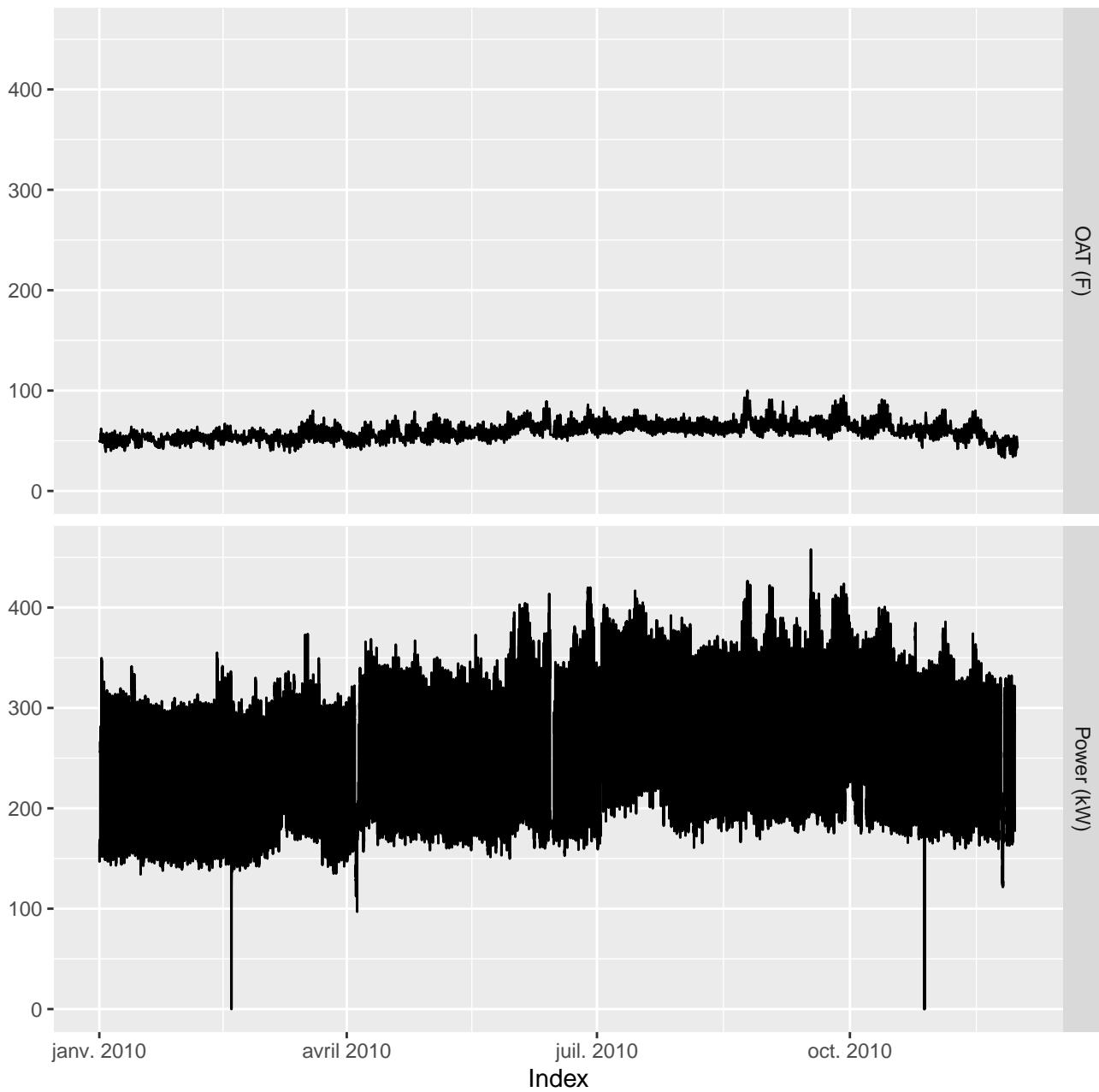
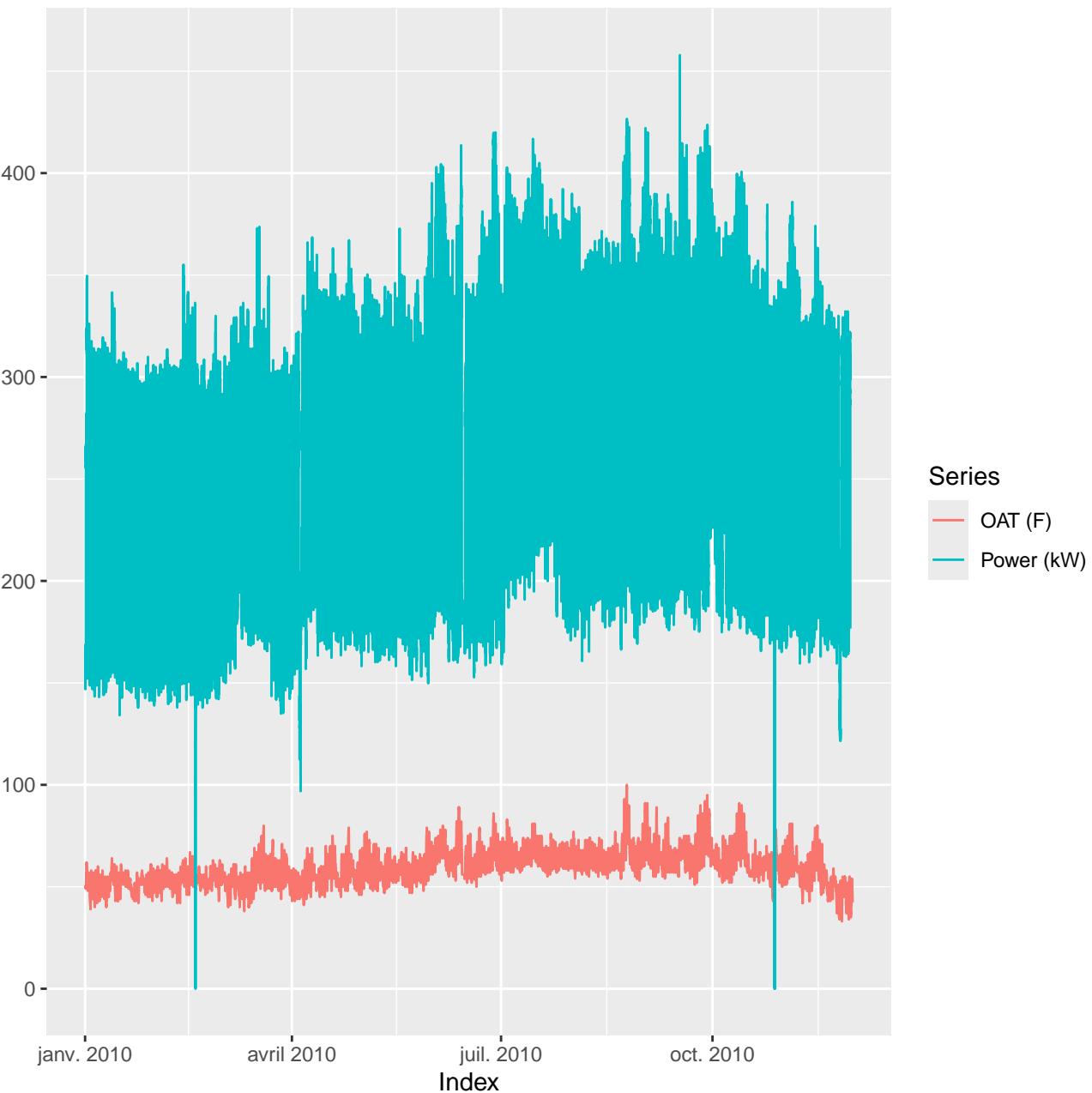


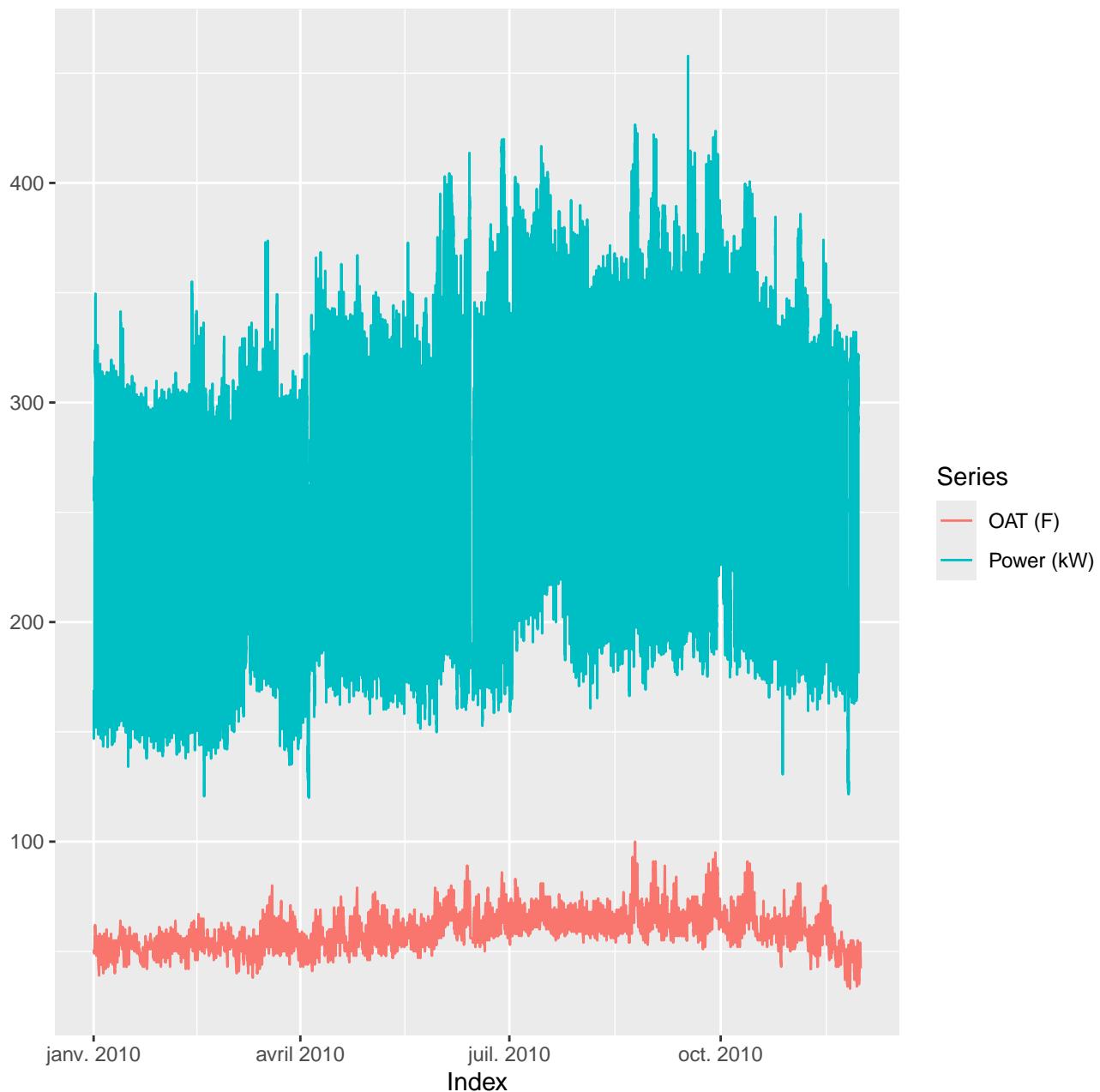
# Elec\_30\_11\_train



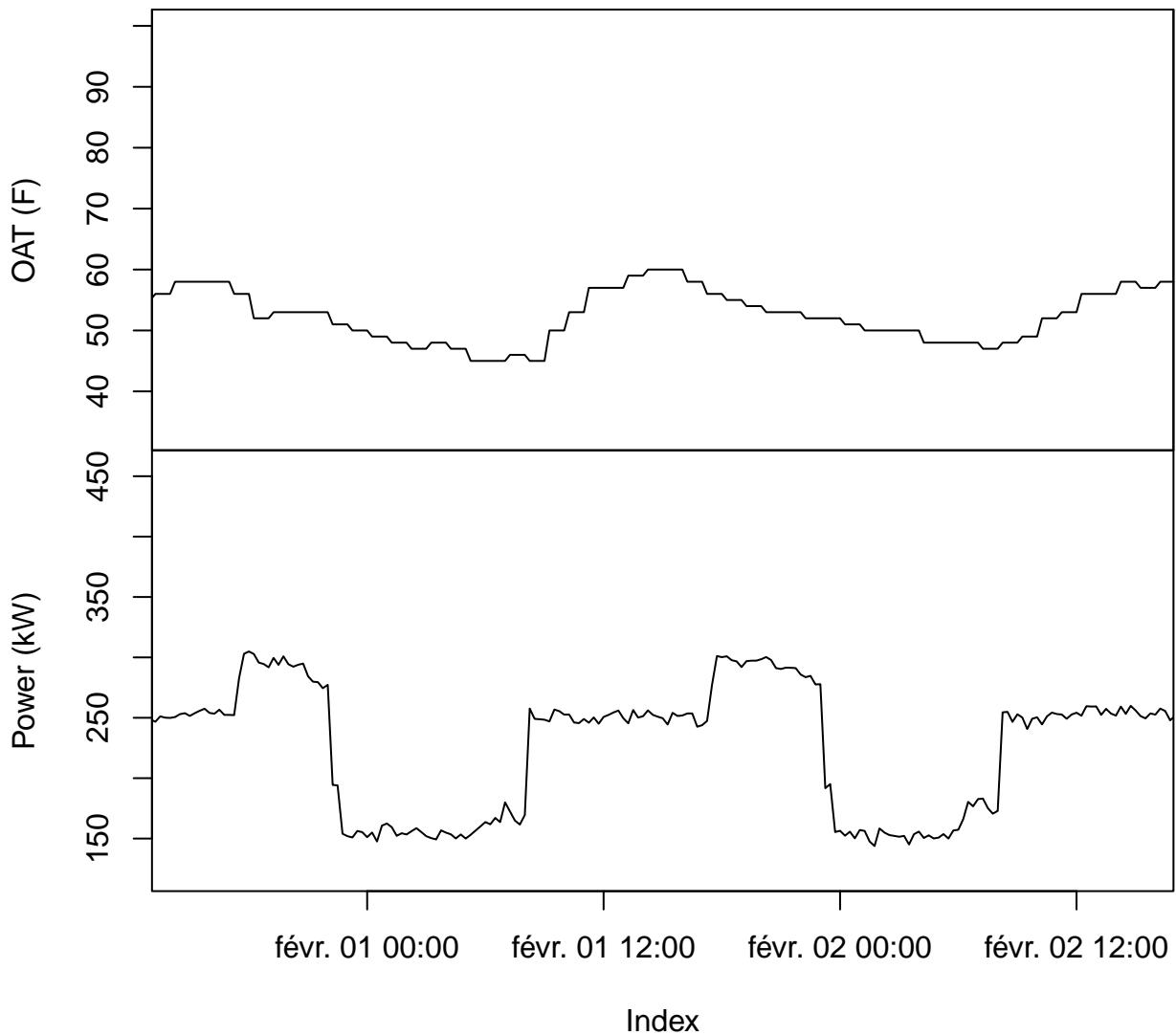
# Elec\_30\_11\_train

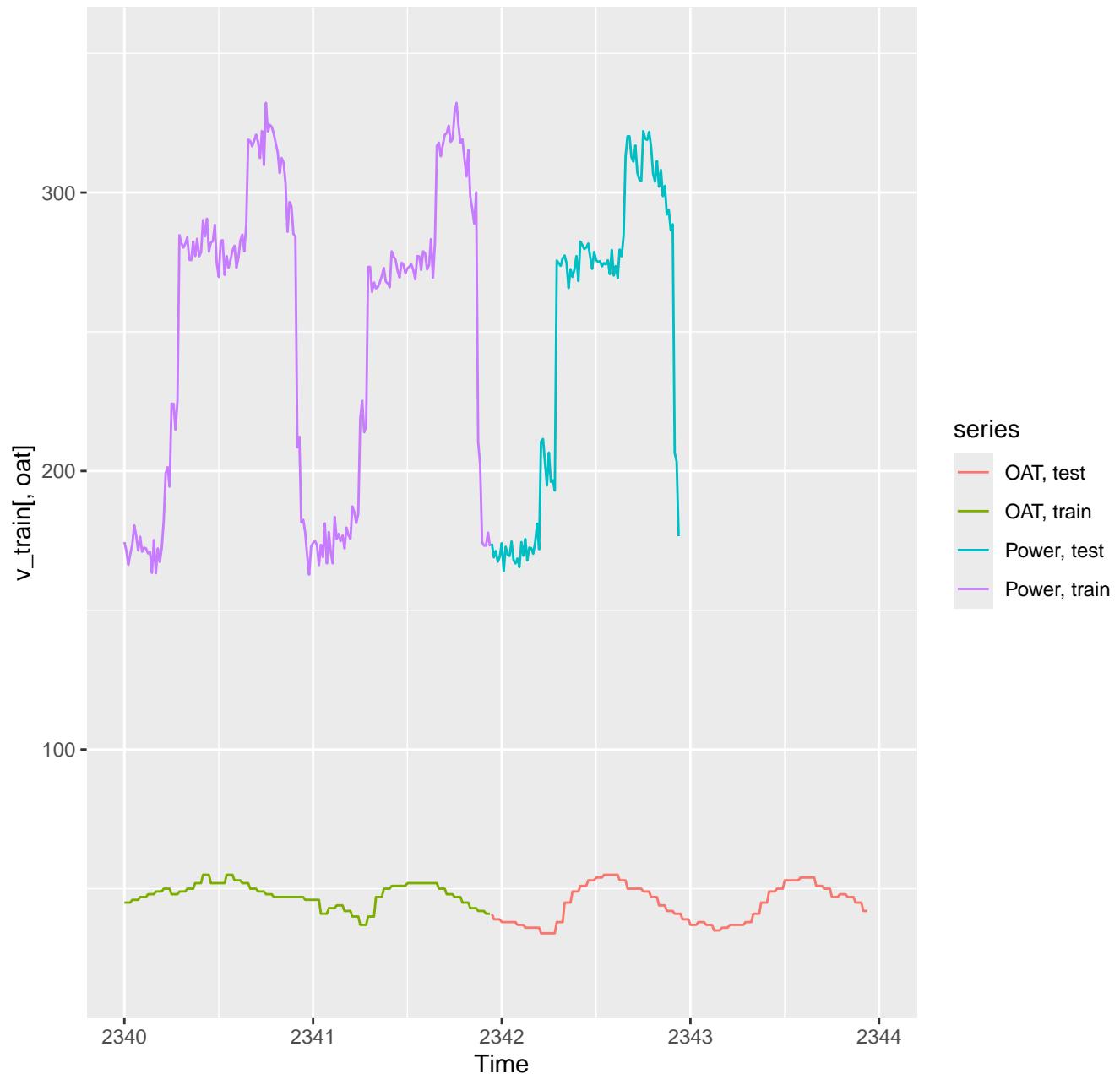


# Elec\_30\_11\_train – No outliers



## Search for periodicity : plot two days

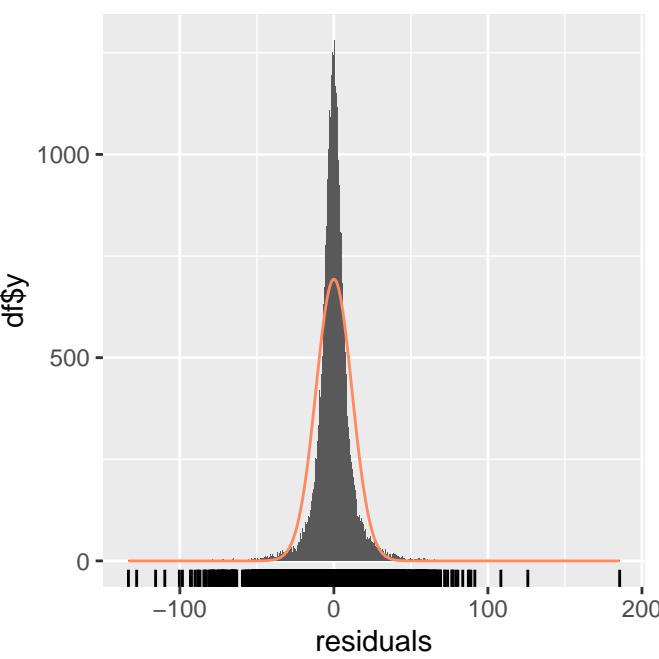
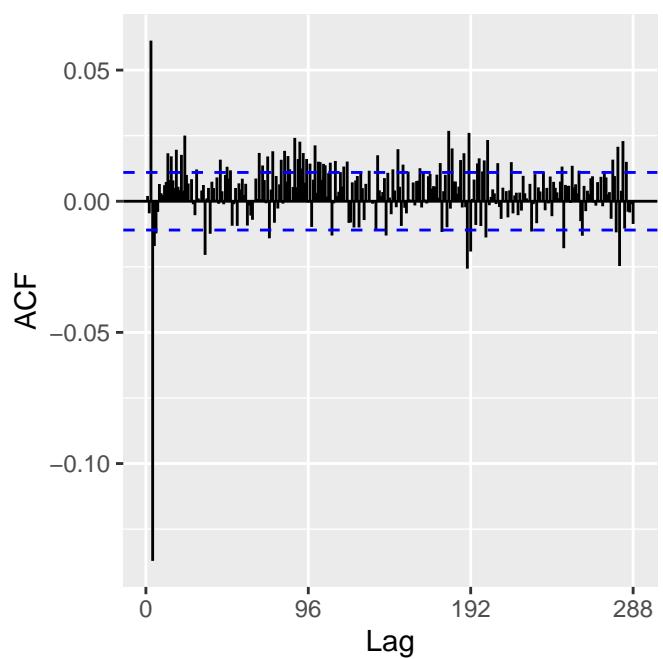
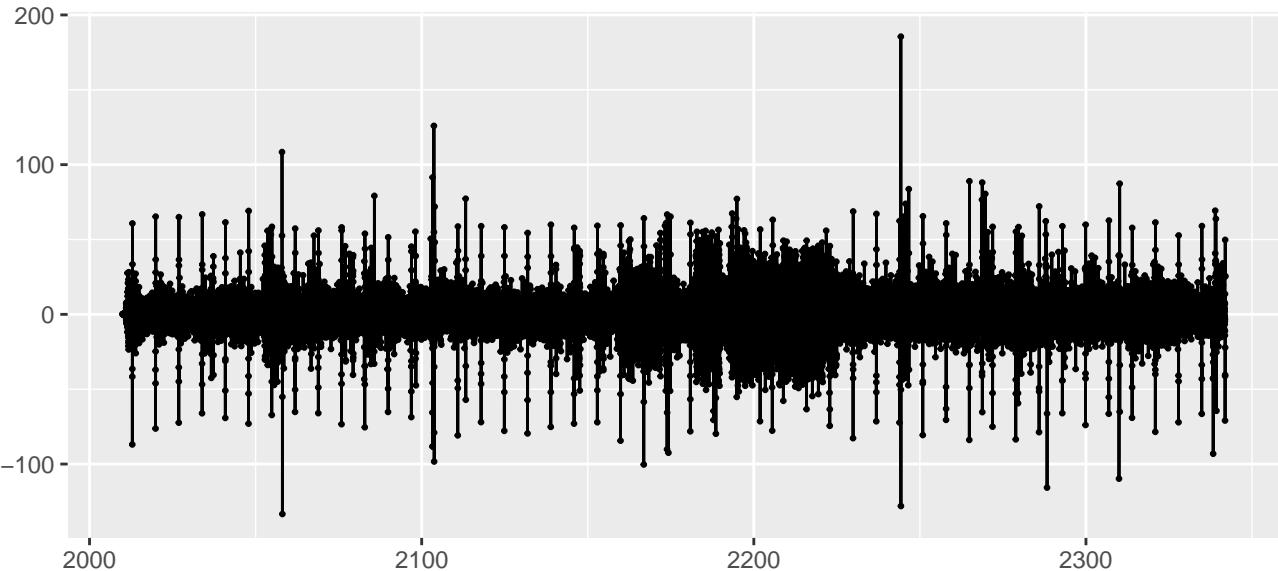




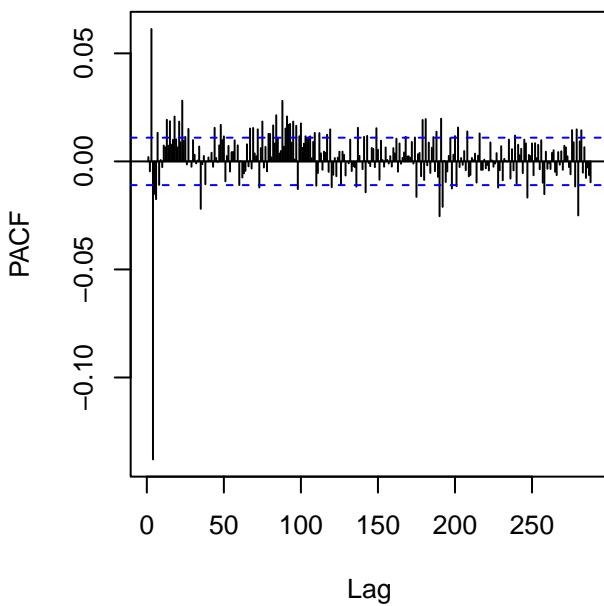
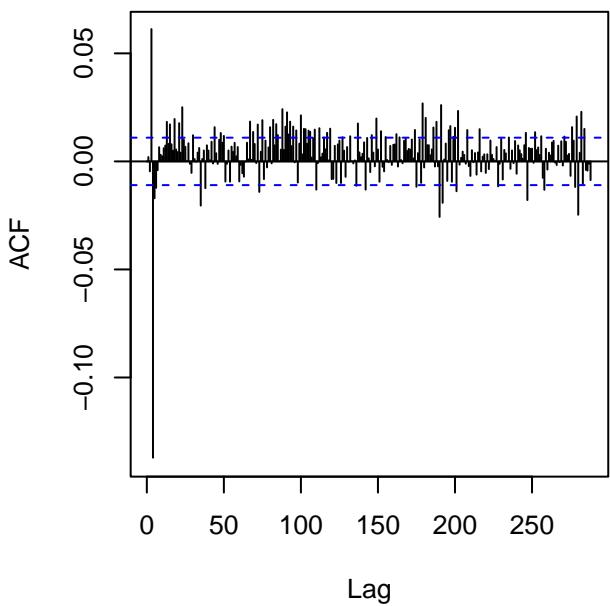
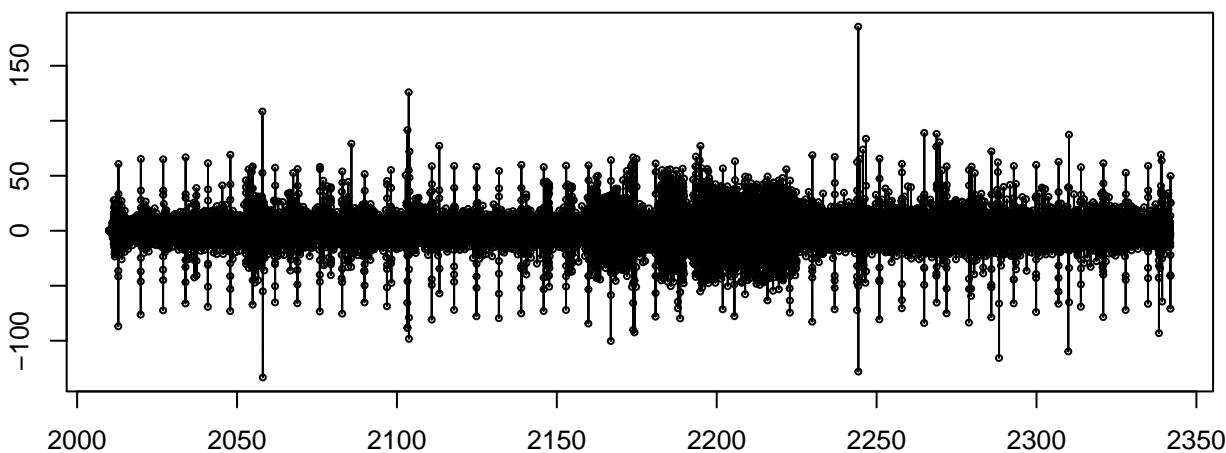
## SARIMA

1. Without covariates
2. With covariates

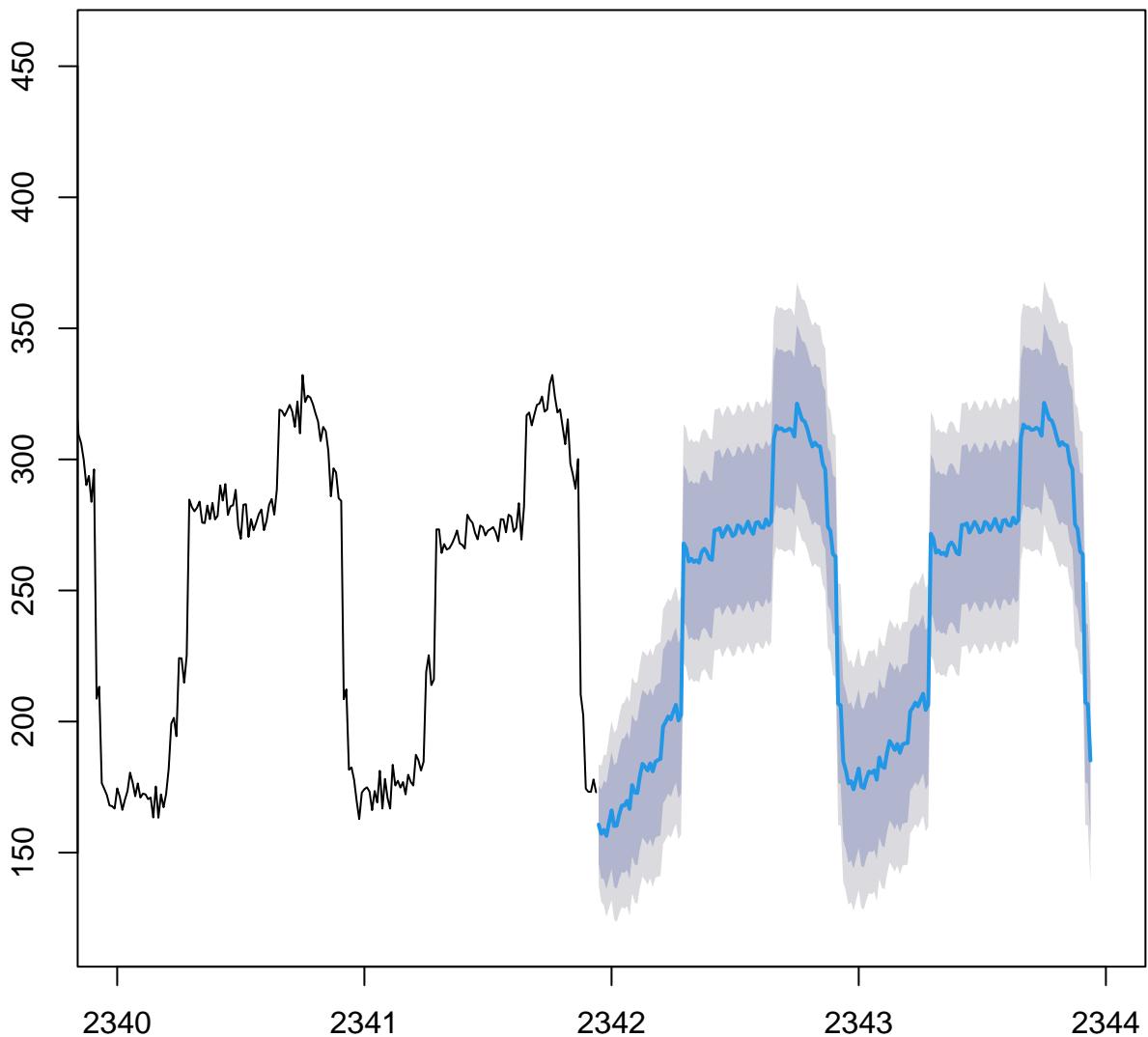
# Residuals from ARIMA(1,0,3)(1,1,1)[96]



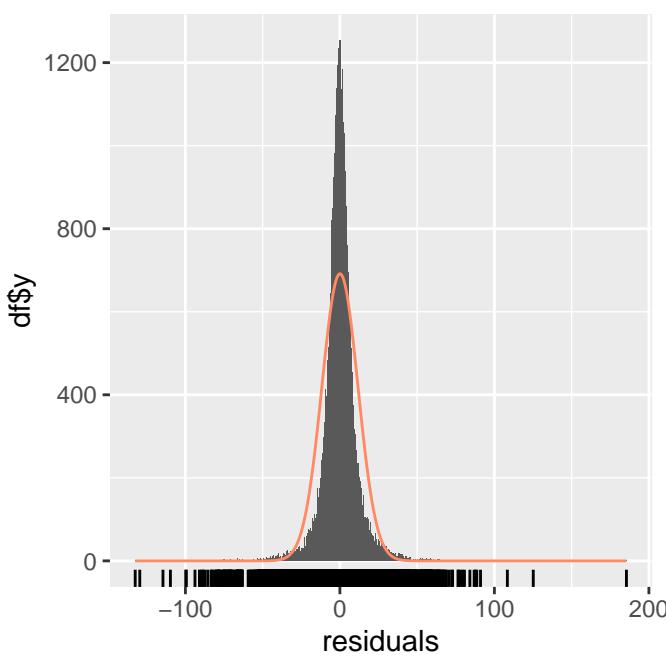
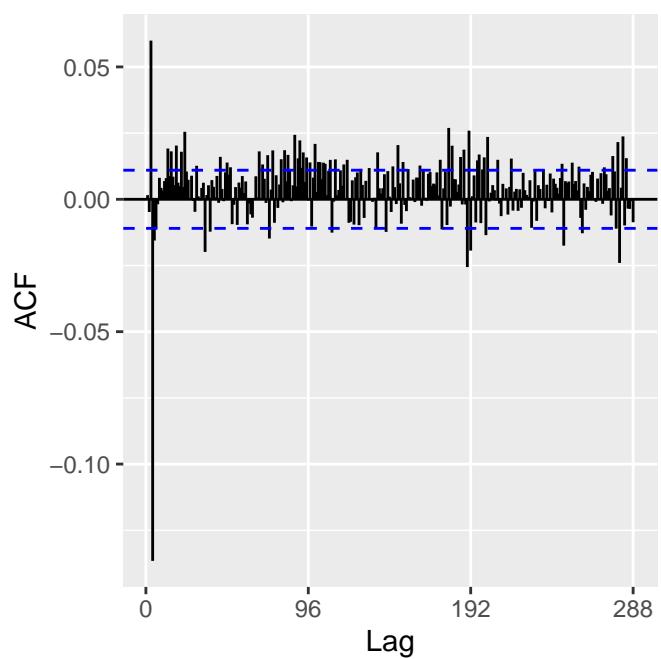
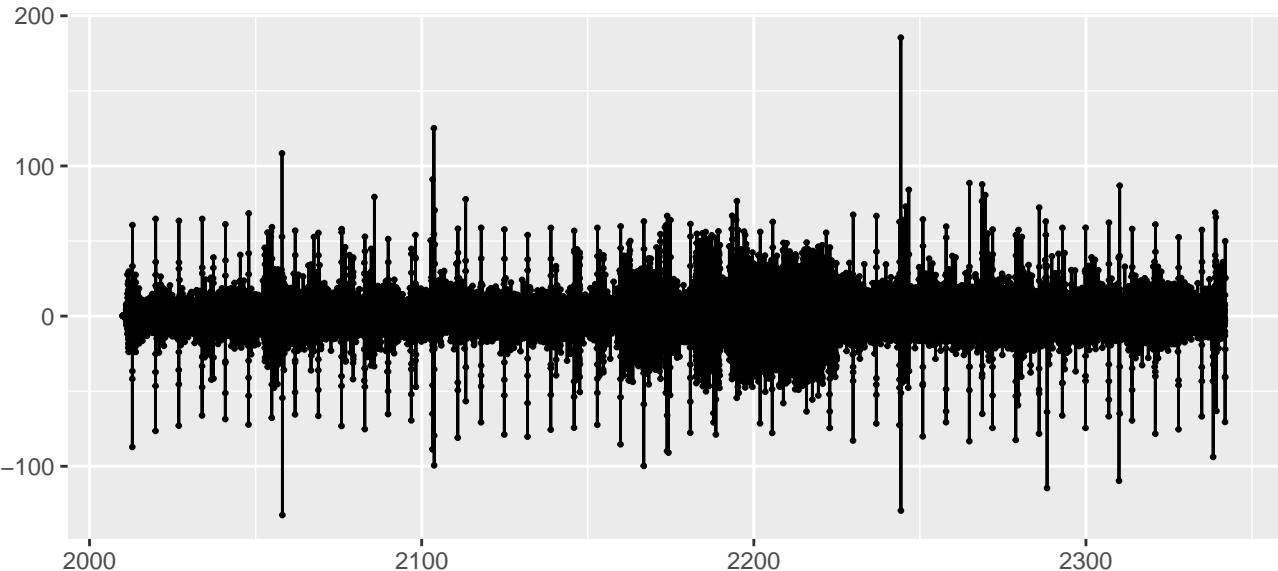
### **fit\$residuals**



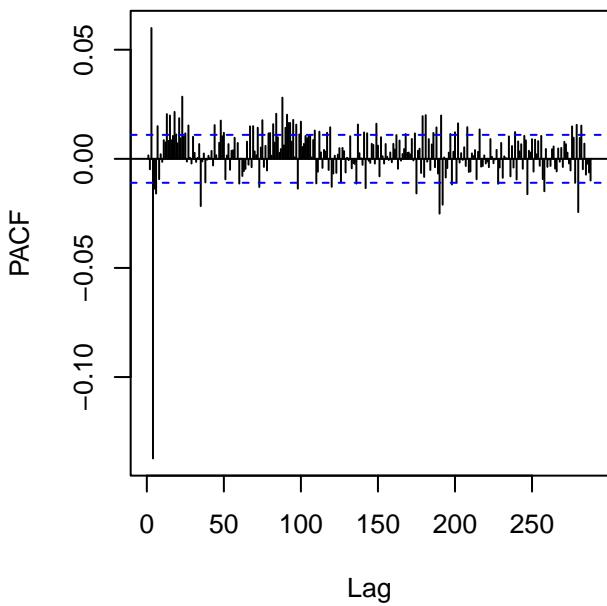
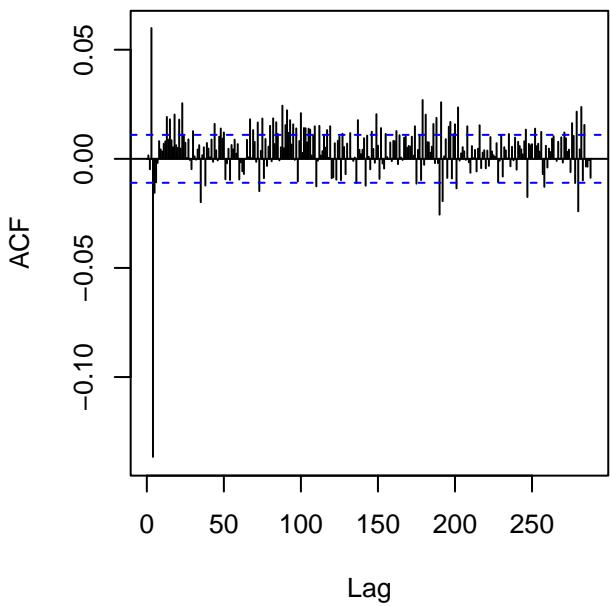
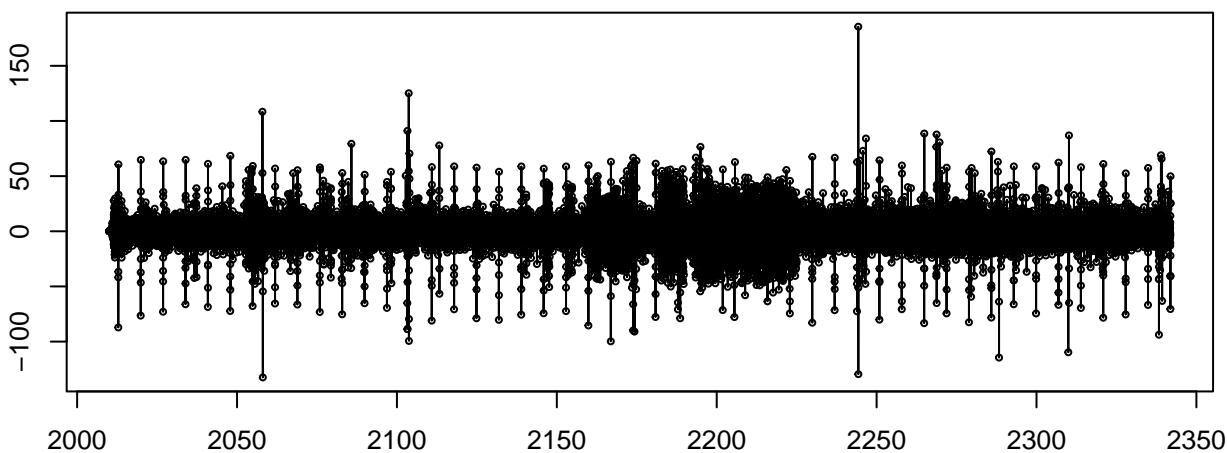
## Forecasts from ARIMA(1,0,3)(1,1,1)[96]



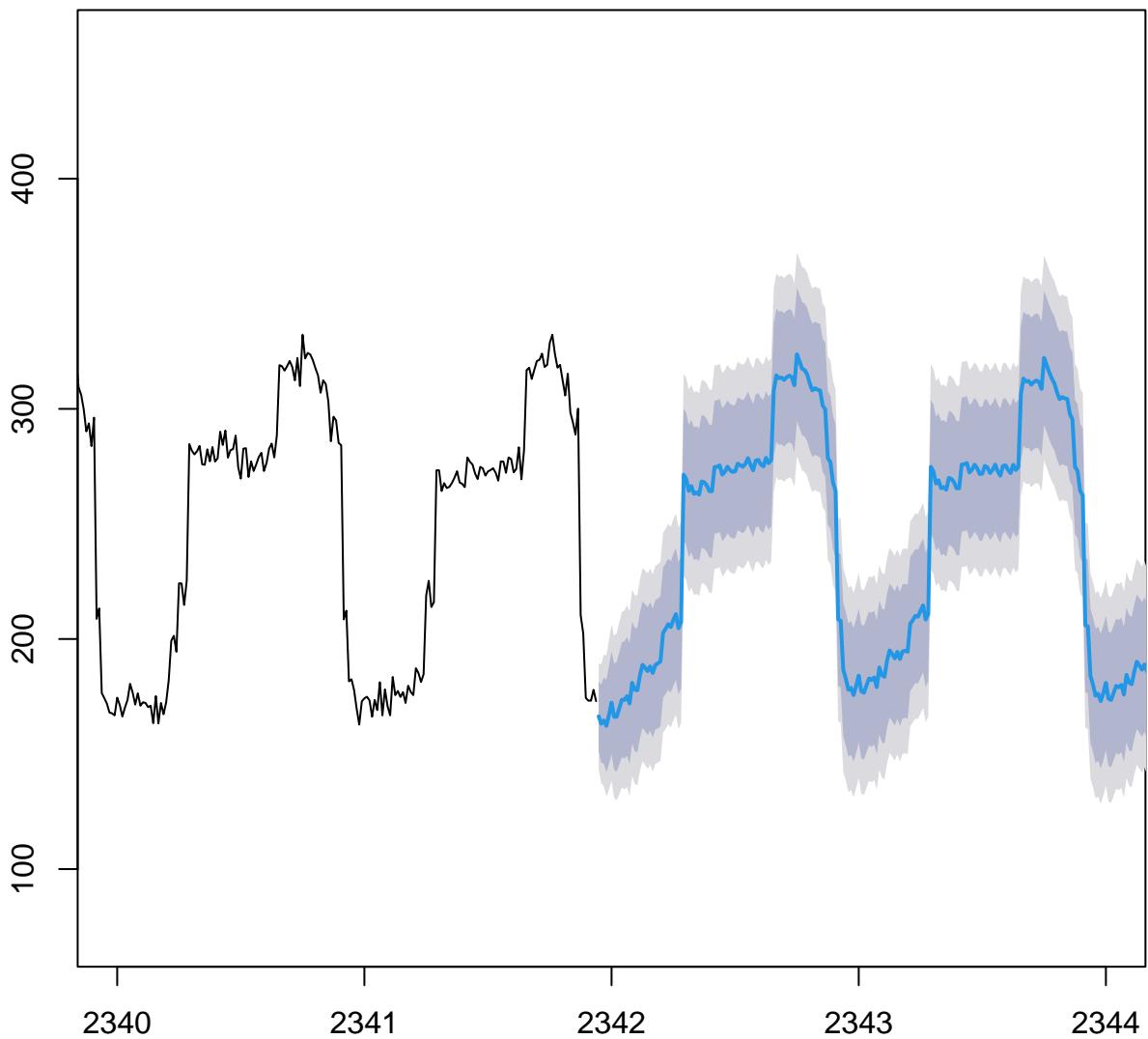
# Residuals from Regression with ARIMA(1,0,3)(1,1,1)[96] errors

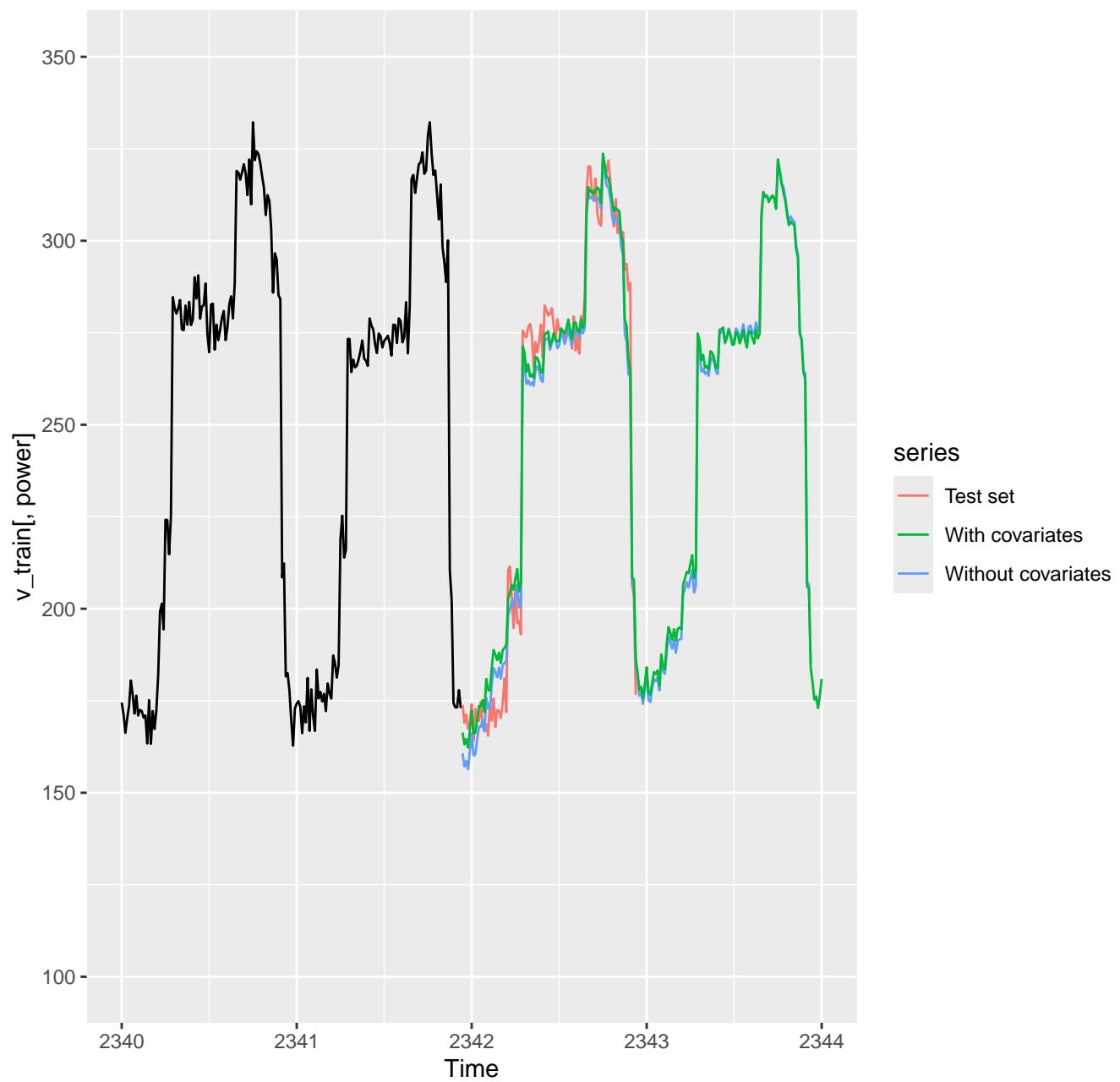


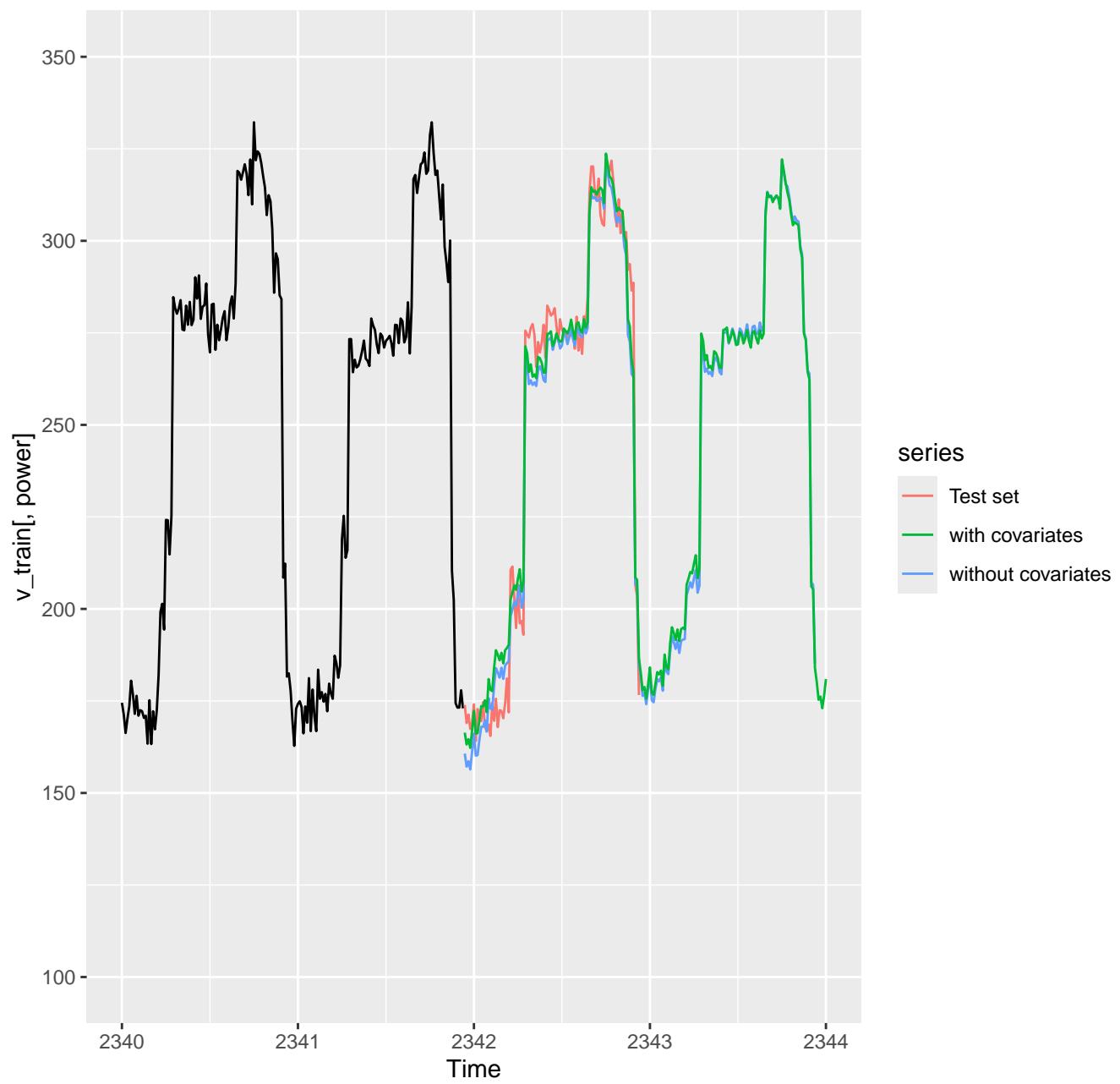
### fit\$residuals



## Forecasts from Regression with ARIMA(1,0,3)(1,1,1)[96] errors



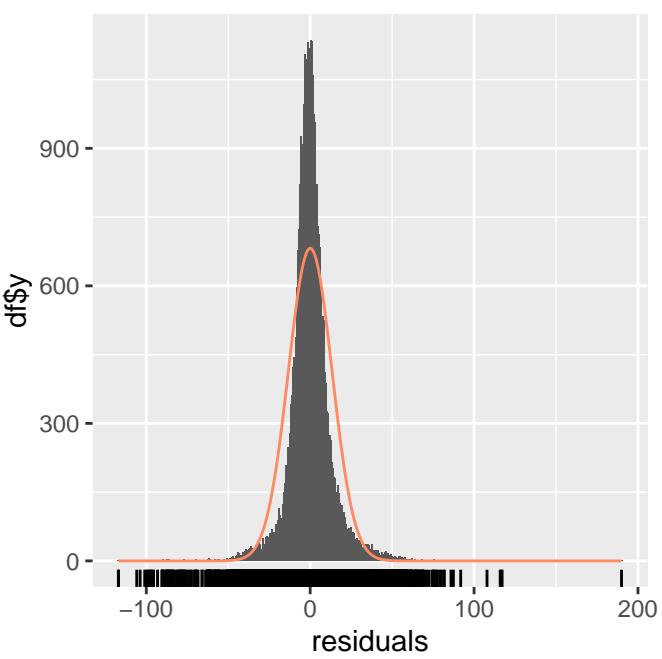
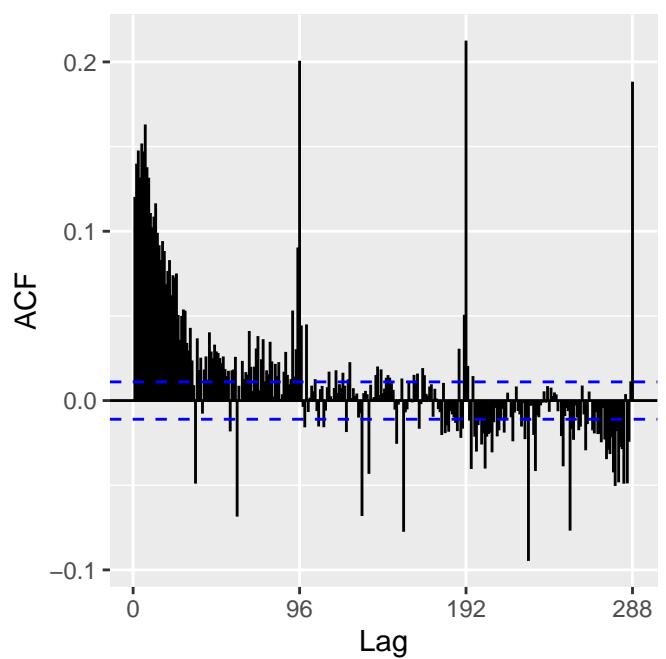
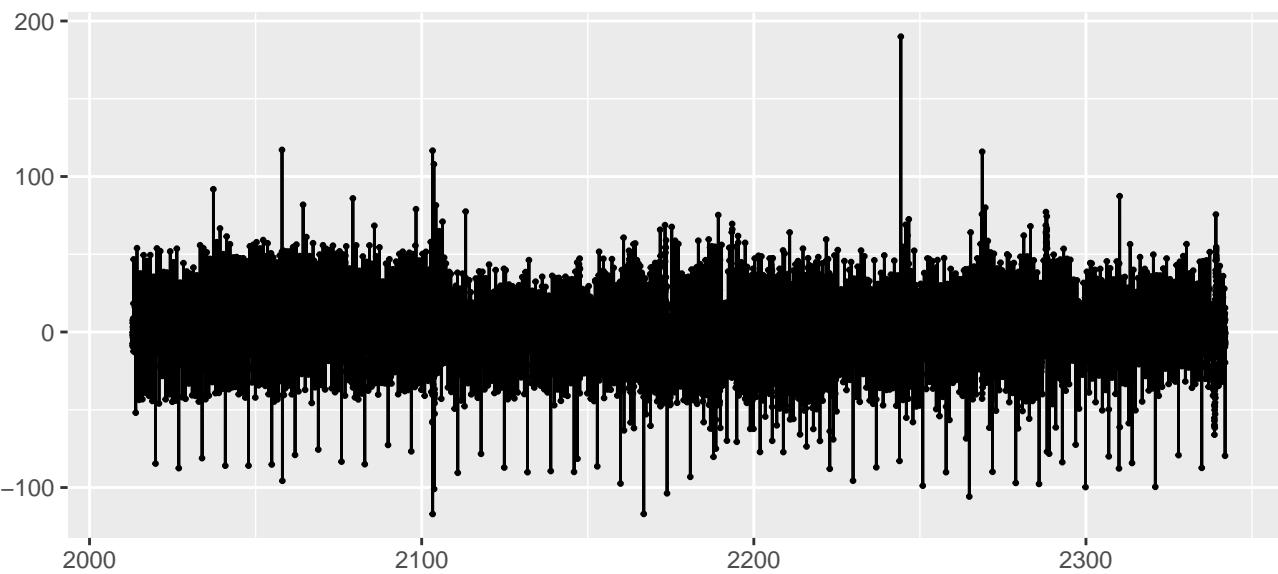




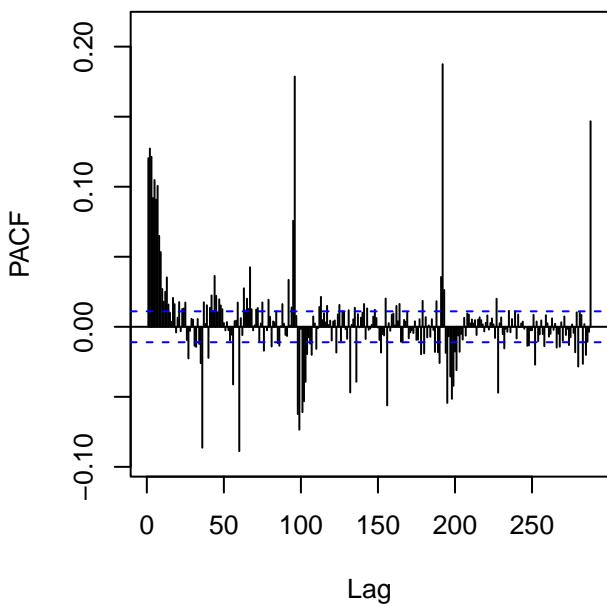
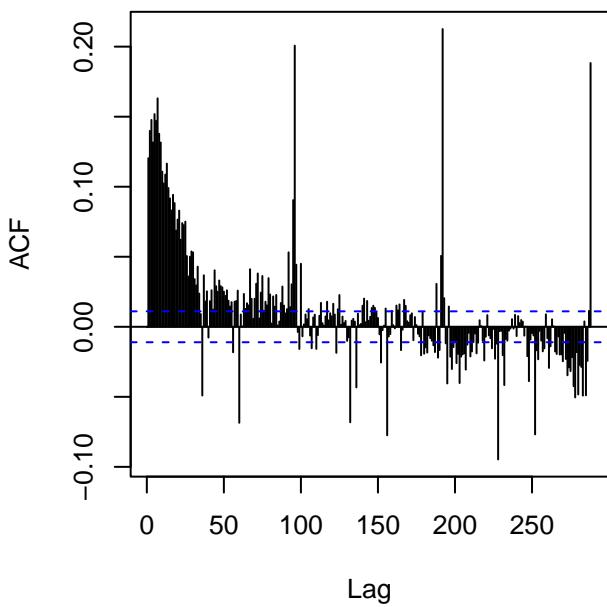
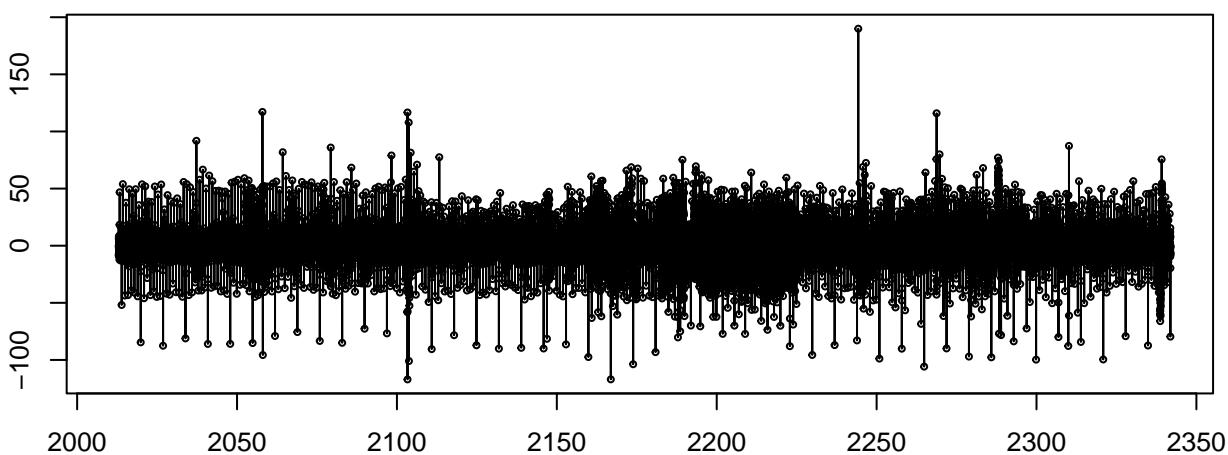
## NEURAL NETWORK

1. Without covariates
2. With covariates

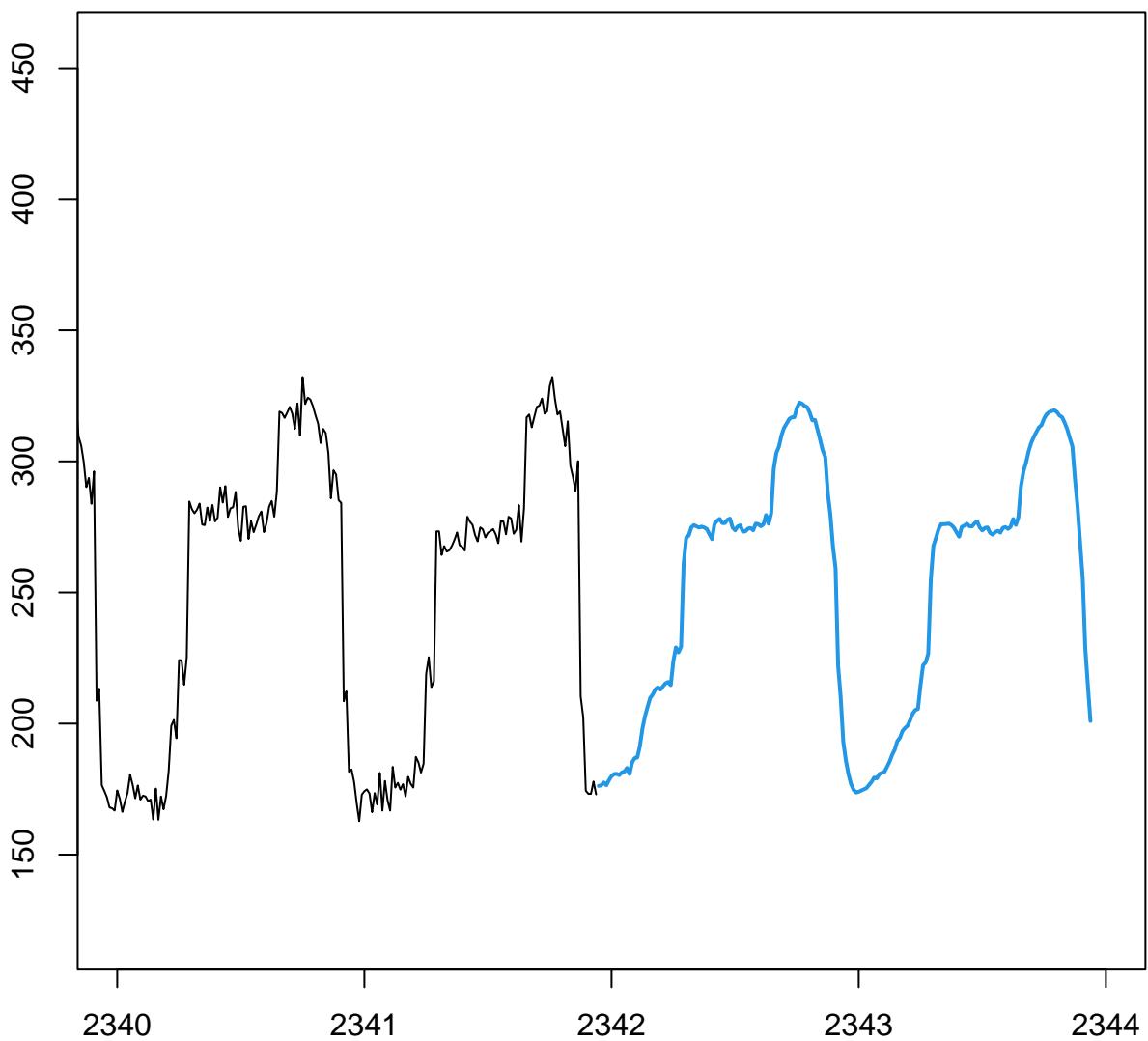
# Residuals from NNAR(7,3,6)[96]



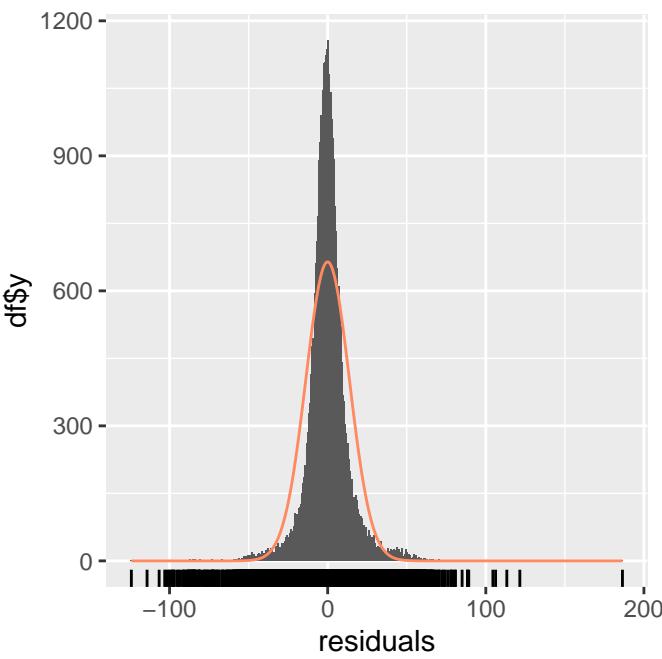
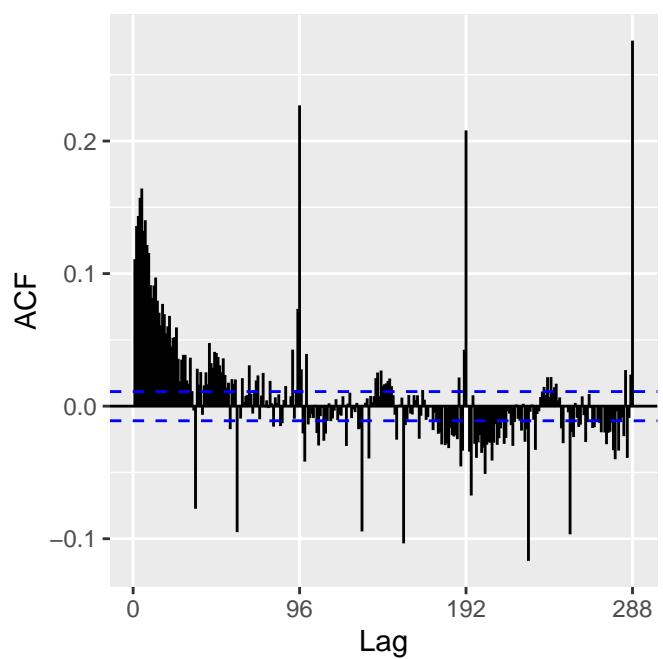
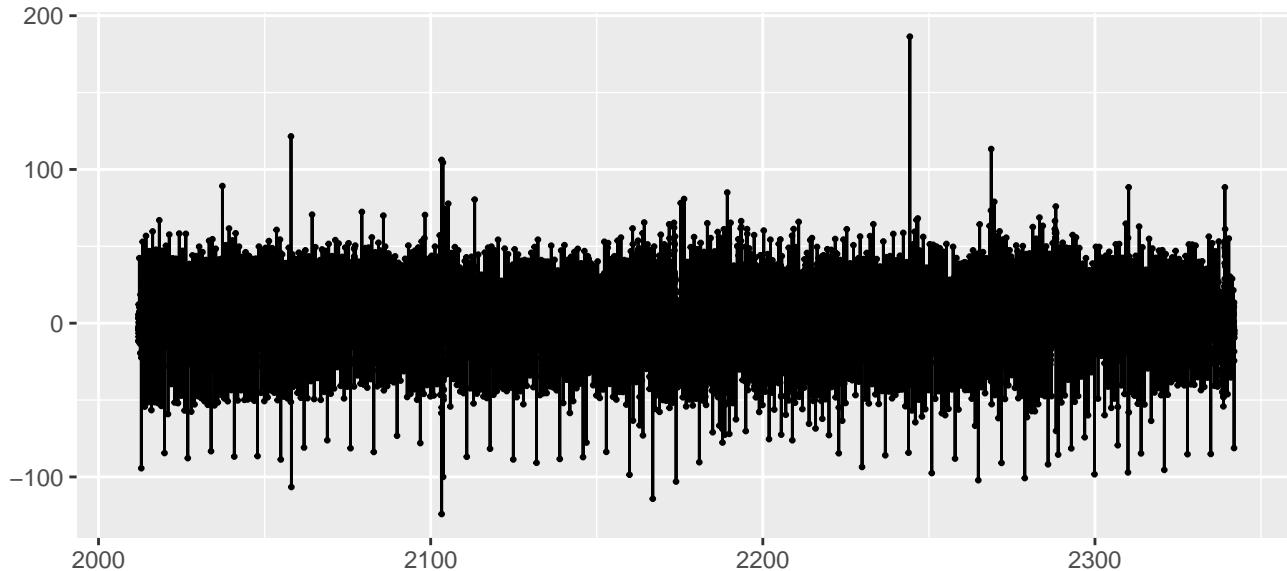
**fit\$residuals**



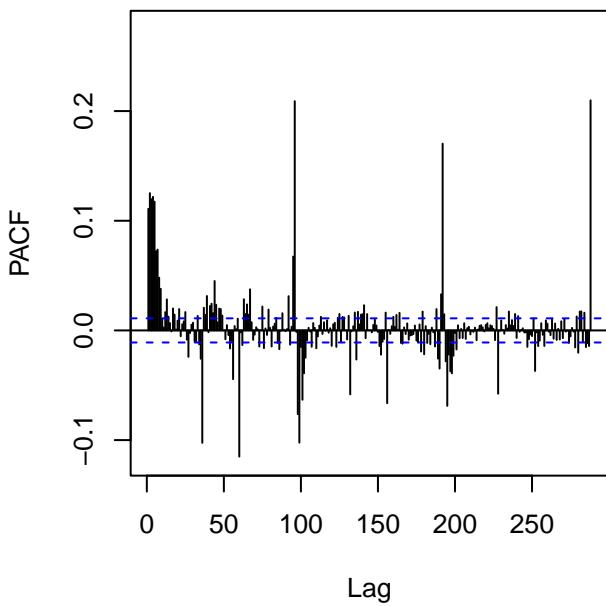
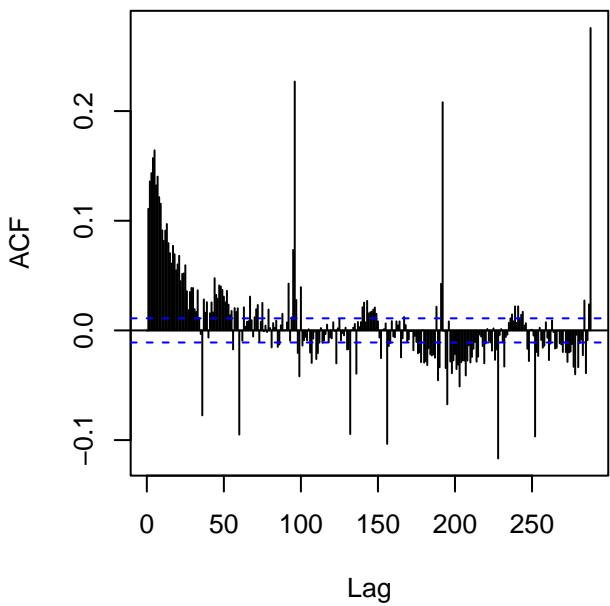
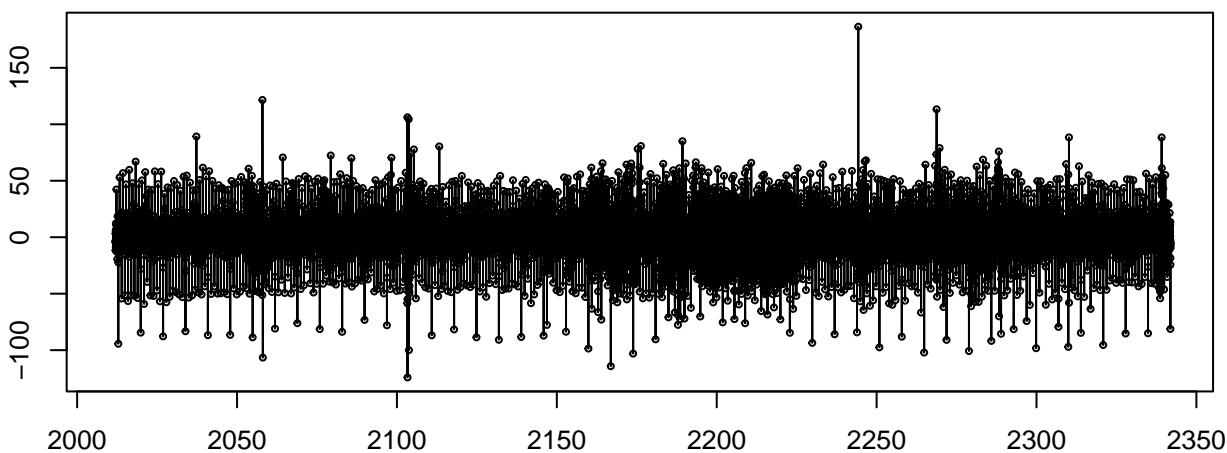
## Forecasts from NNAR(7,3,6)[96]



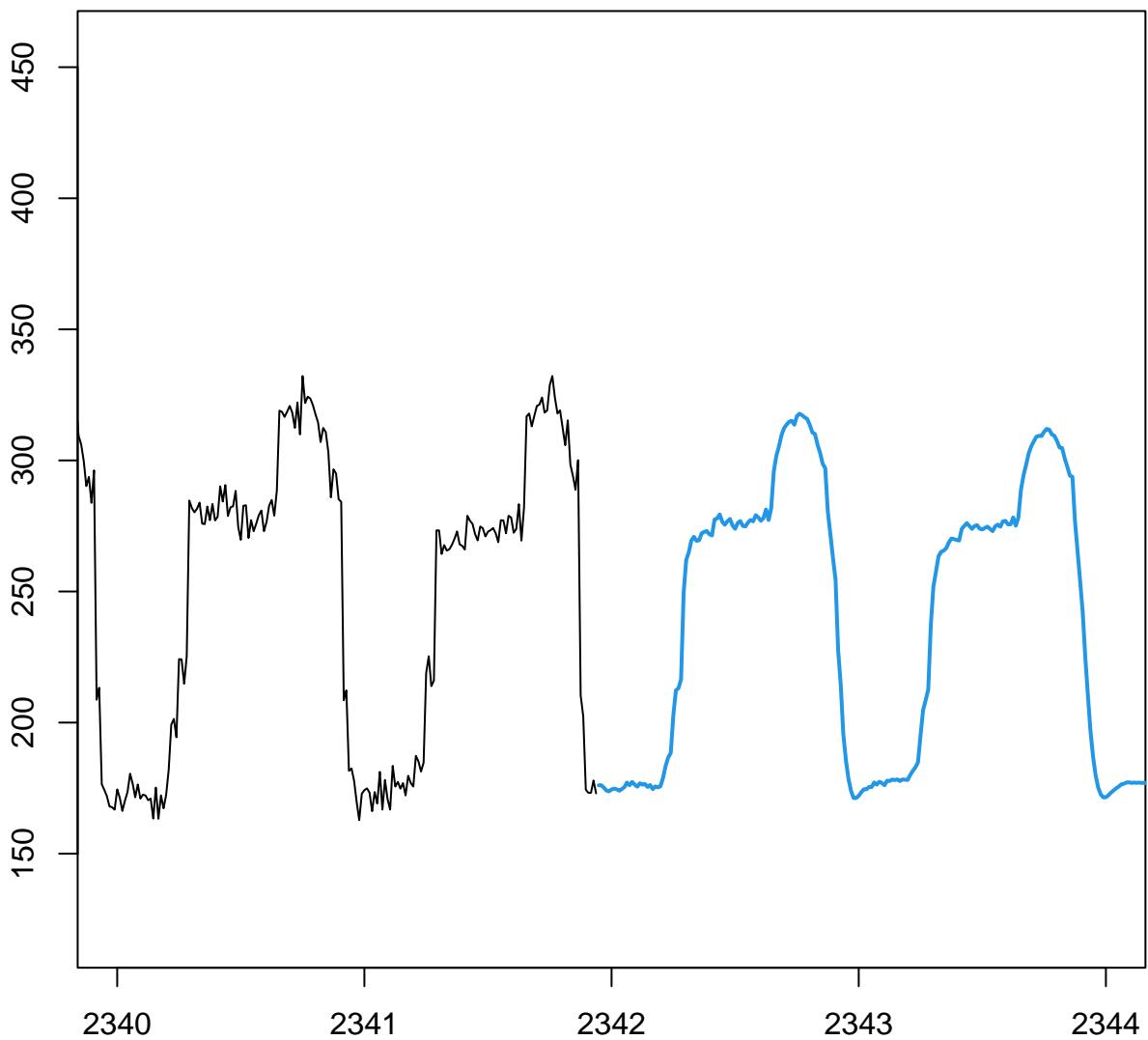
# Residuals from NNAR(4,2,4)[96]

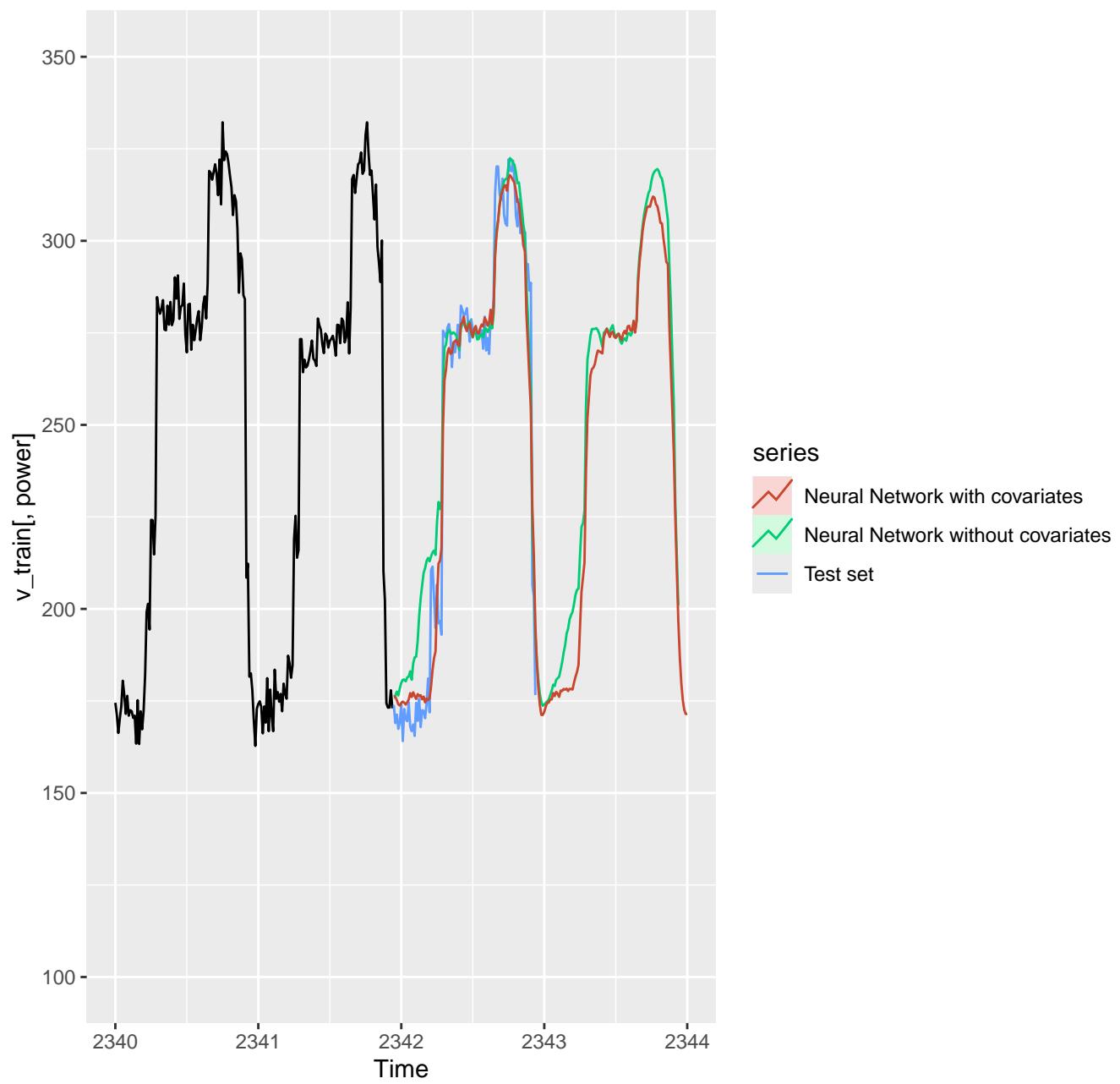


### **fit\$residuals**



## Forecasts from NNAR(4,2,4)[96]





XGBoost

