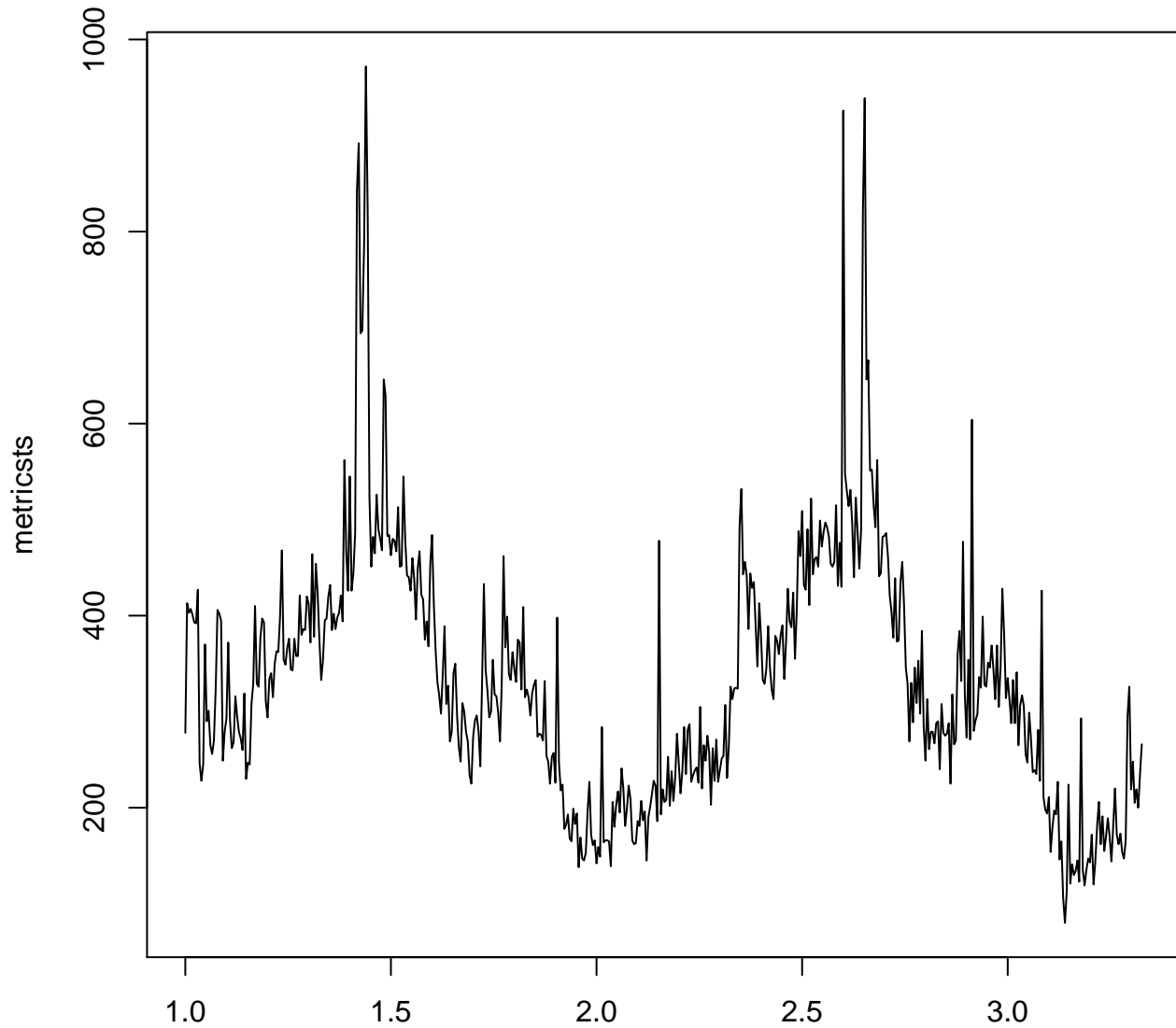
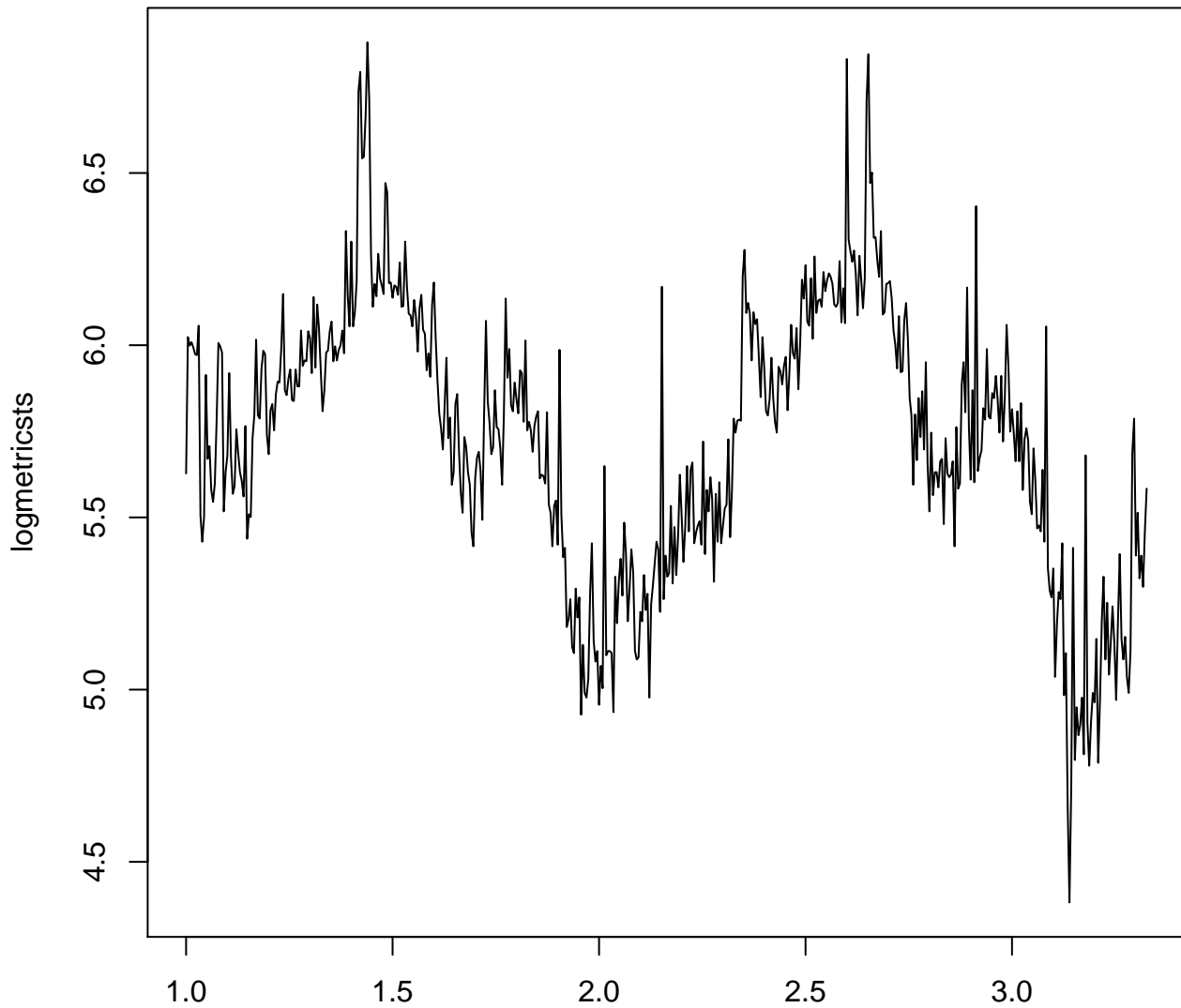


# metrics time series



Time  
Fig.1

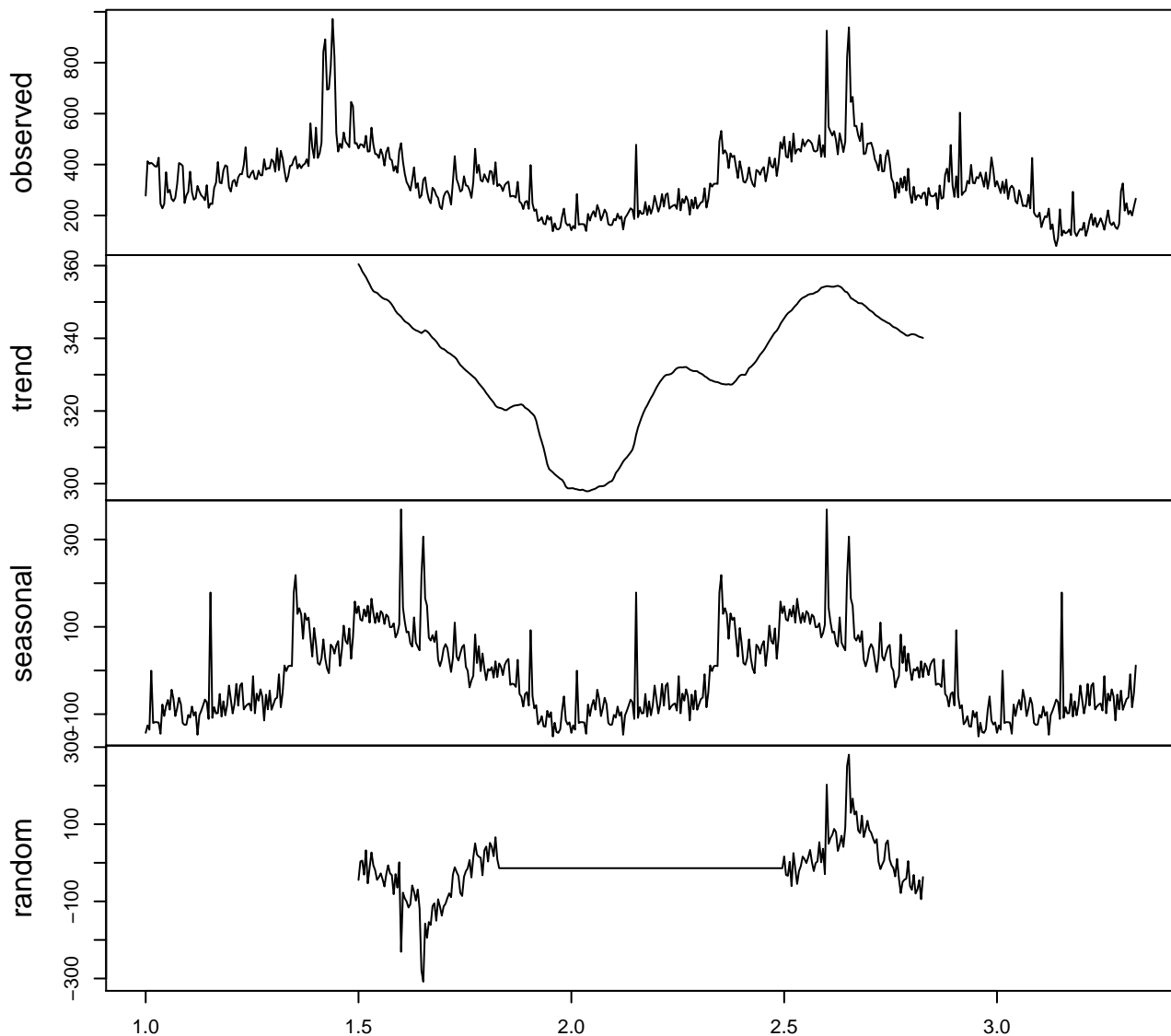
# metrics time series log



Time  
Fig.2

# Decomposition of additive time series

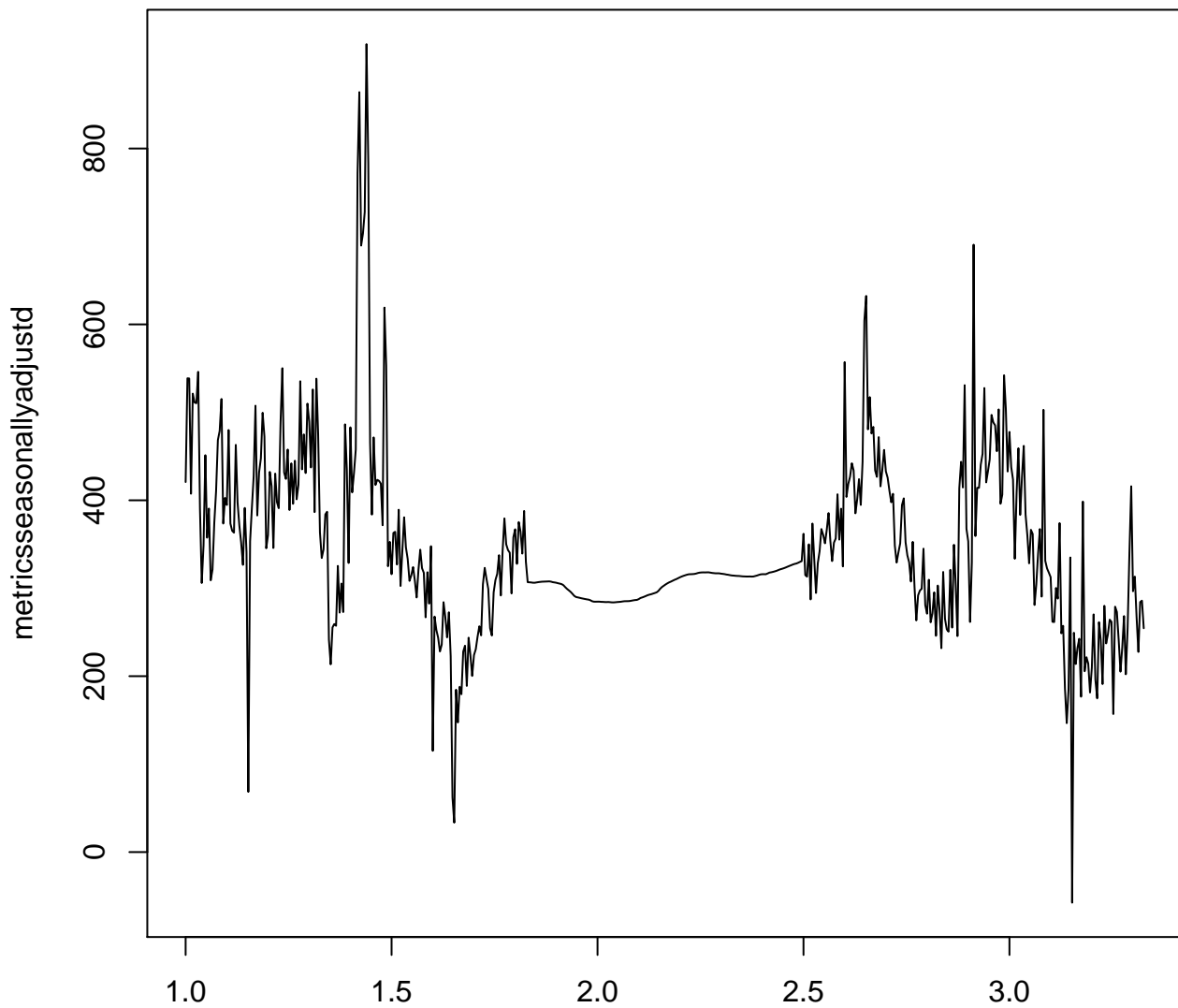
## metrics decomposition



Time

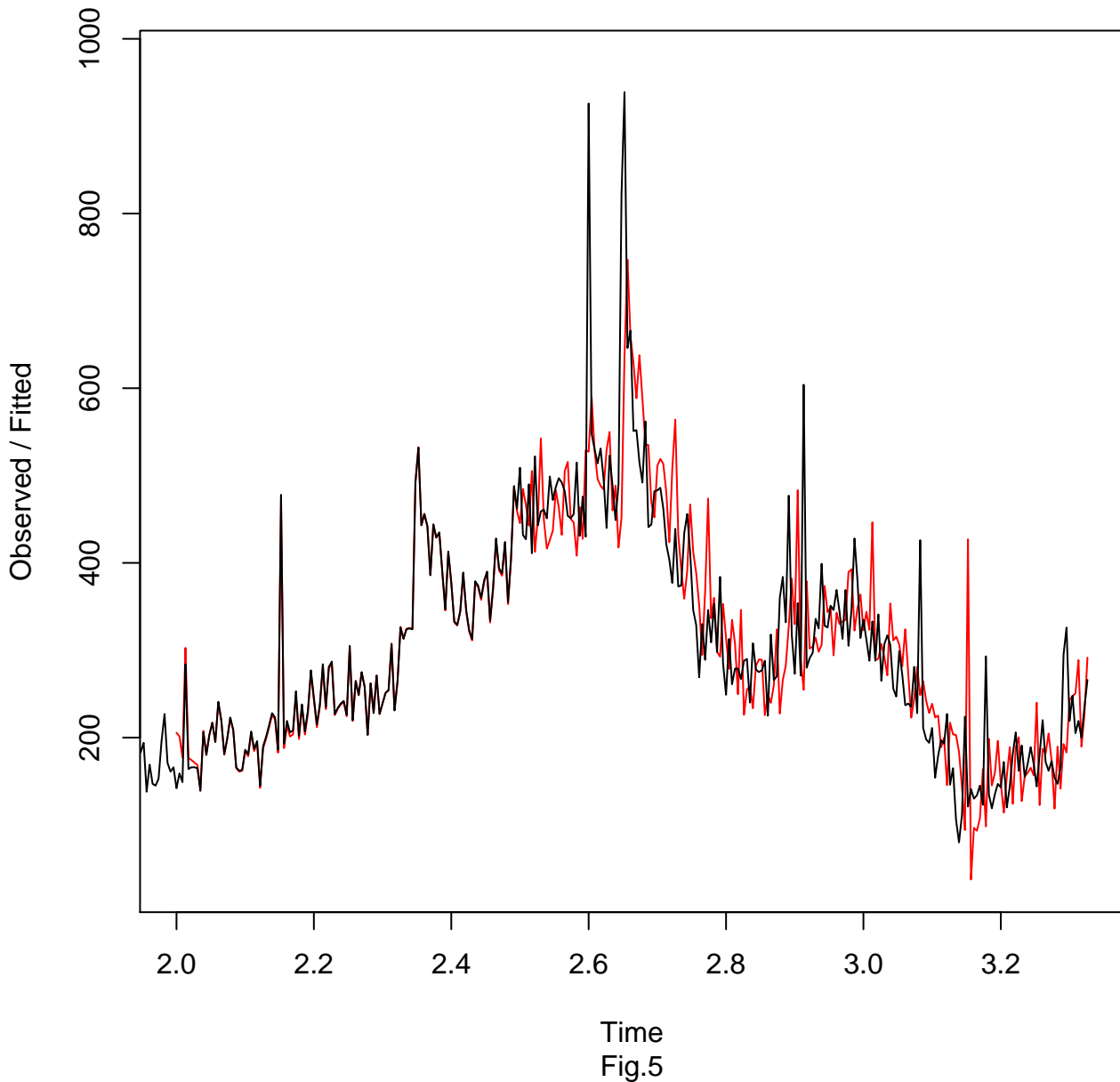
Fig.3

# metrics seasonally adjusted



Time  
Fig.4

# Holt-Winters filtering



## Forecasts from HoltWinters

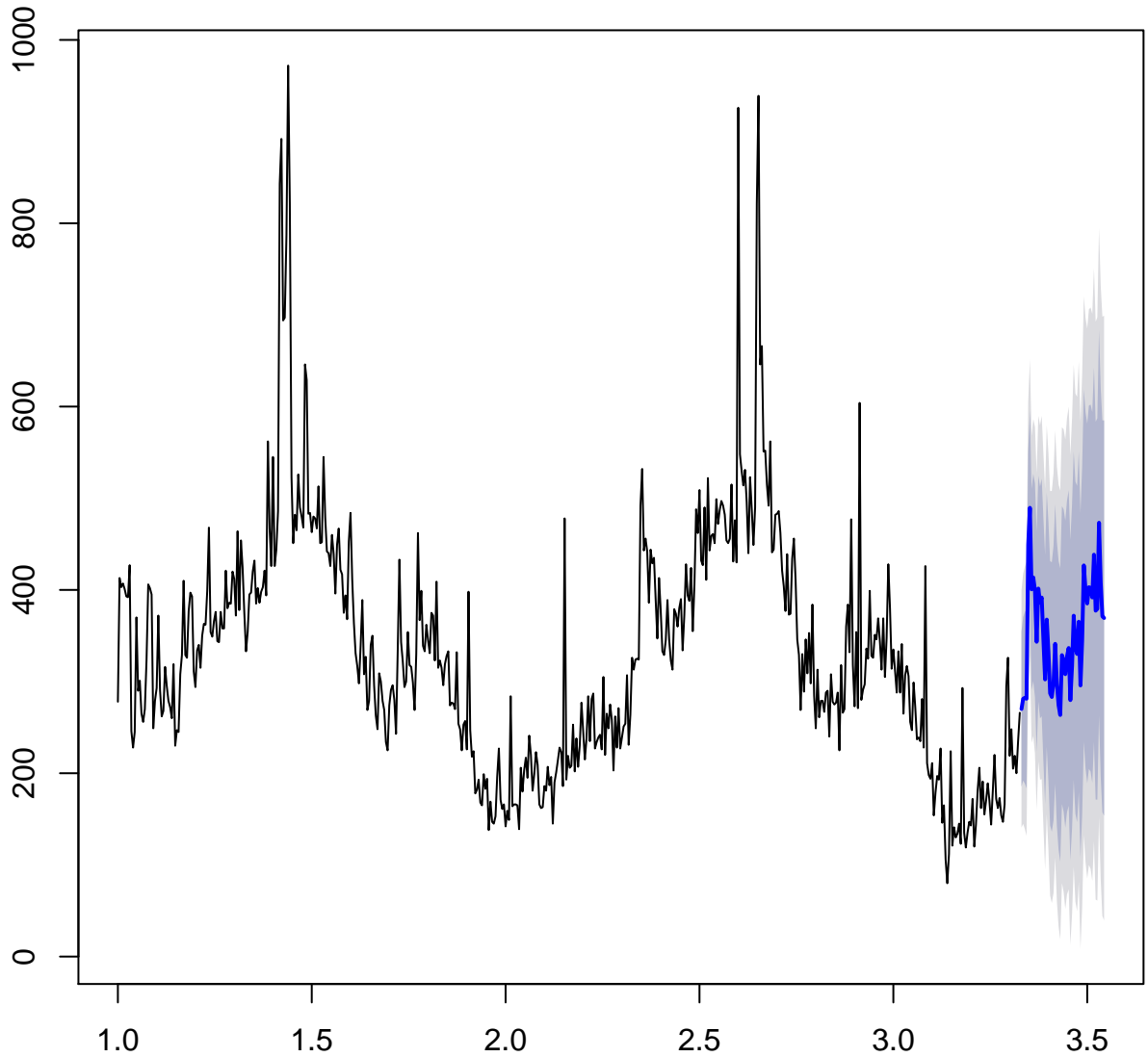
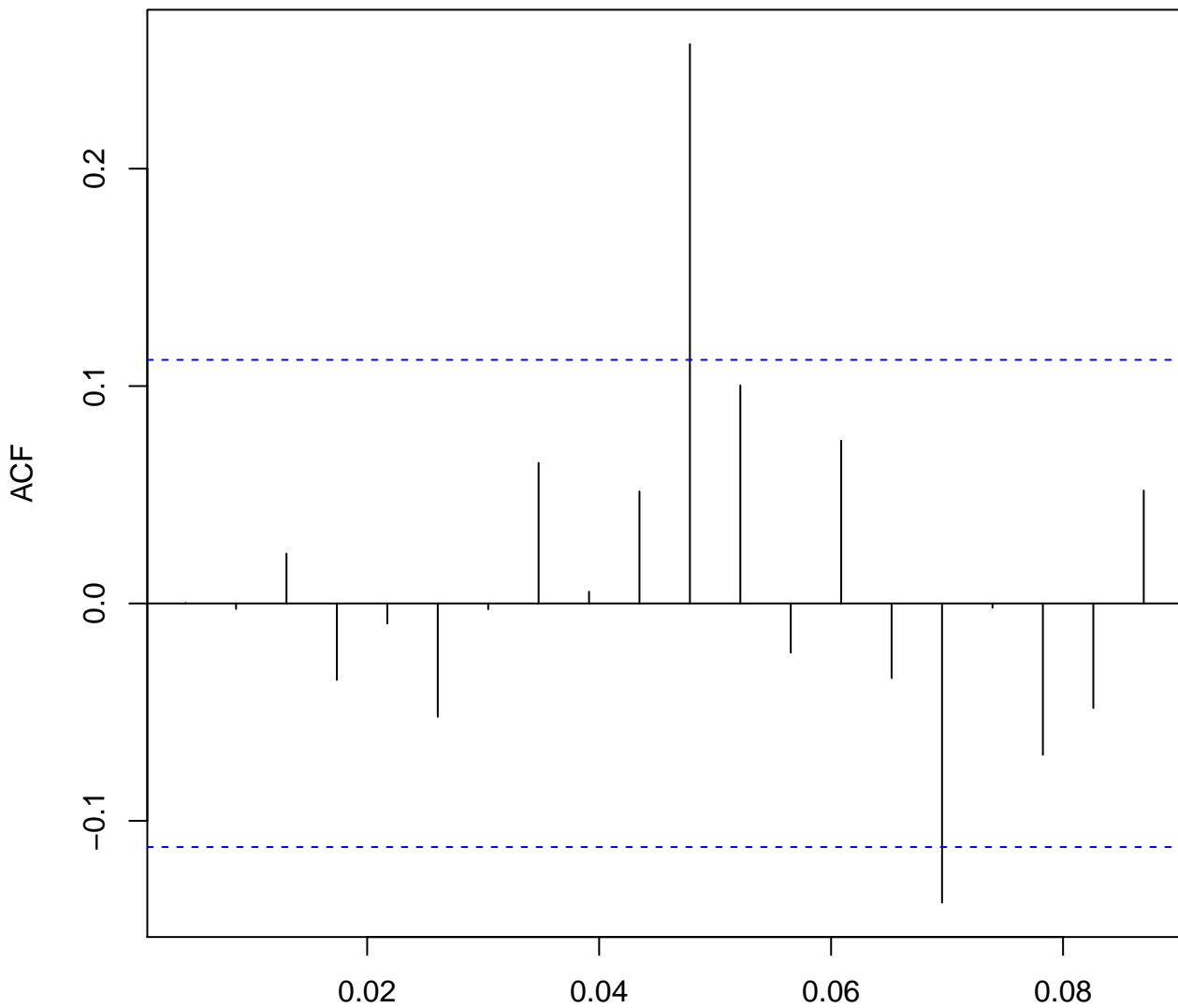
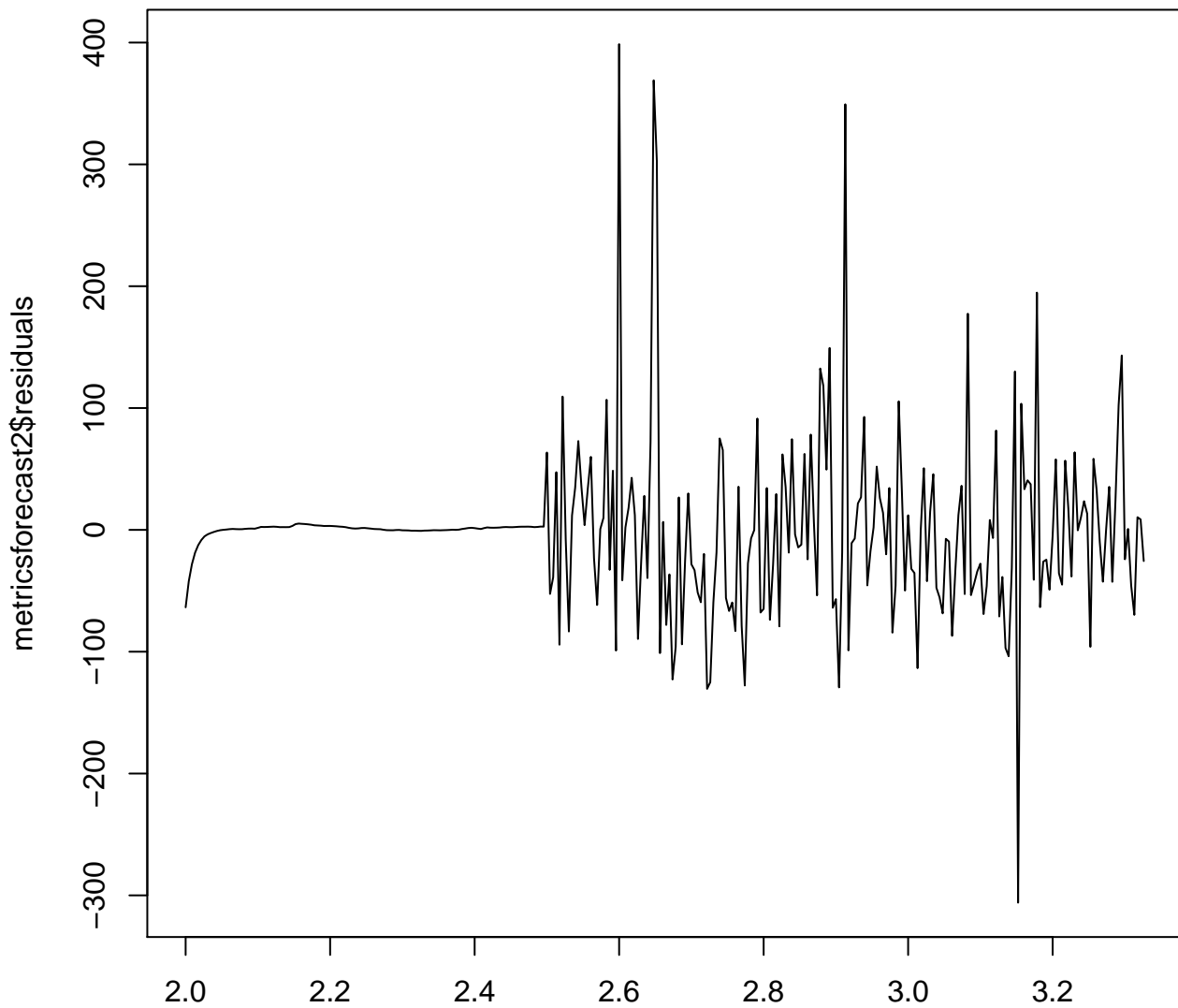


Fig.6

# Series metricsforecast2\$residuals



## metrics forecast2 residuals



Time  
Fig.8



Histogram of forecast errors

