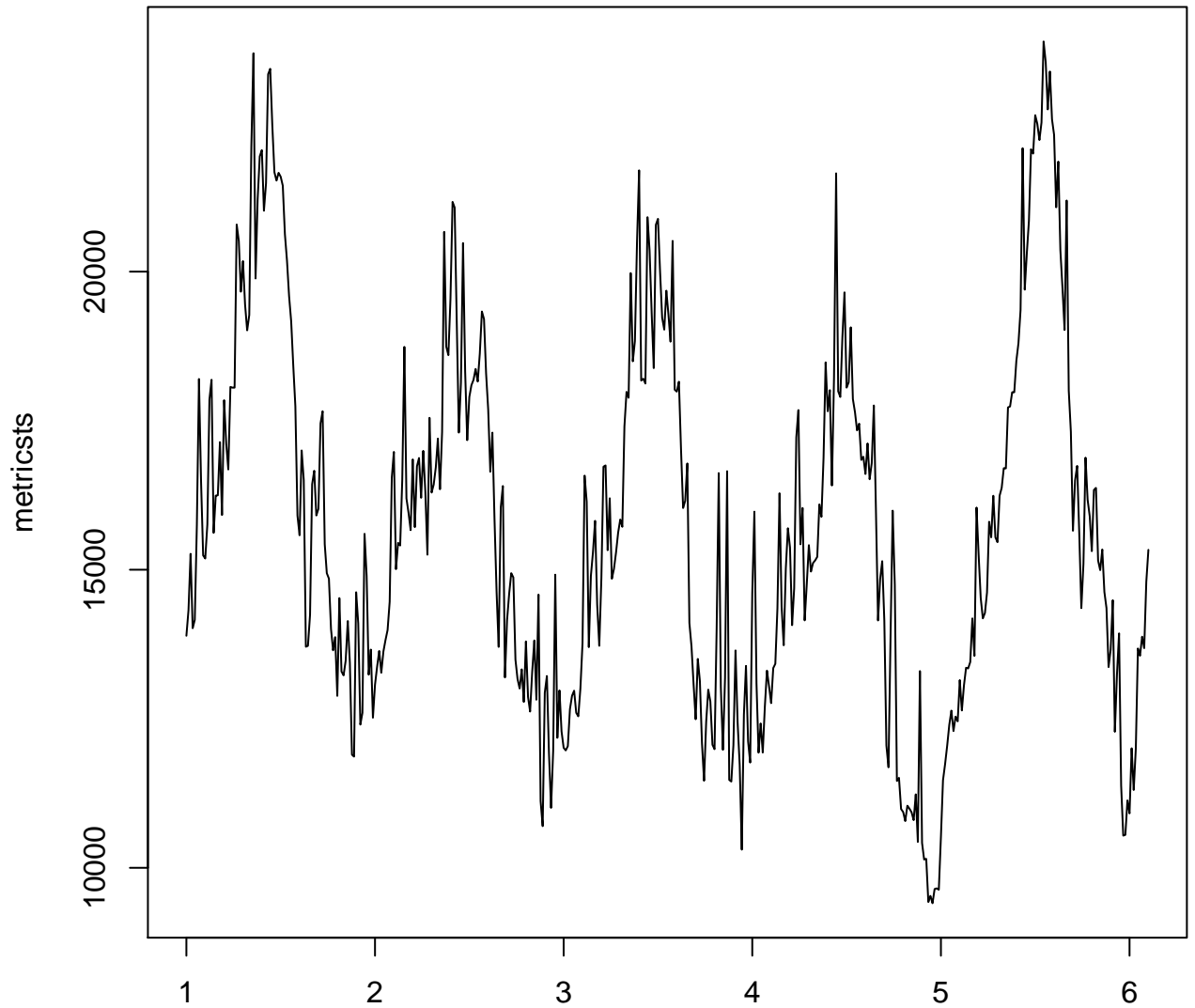
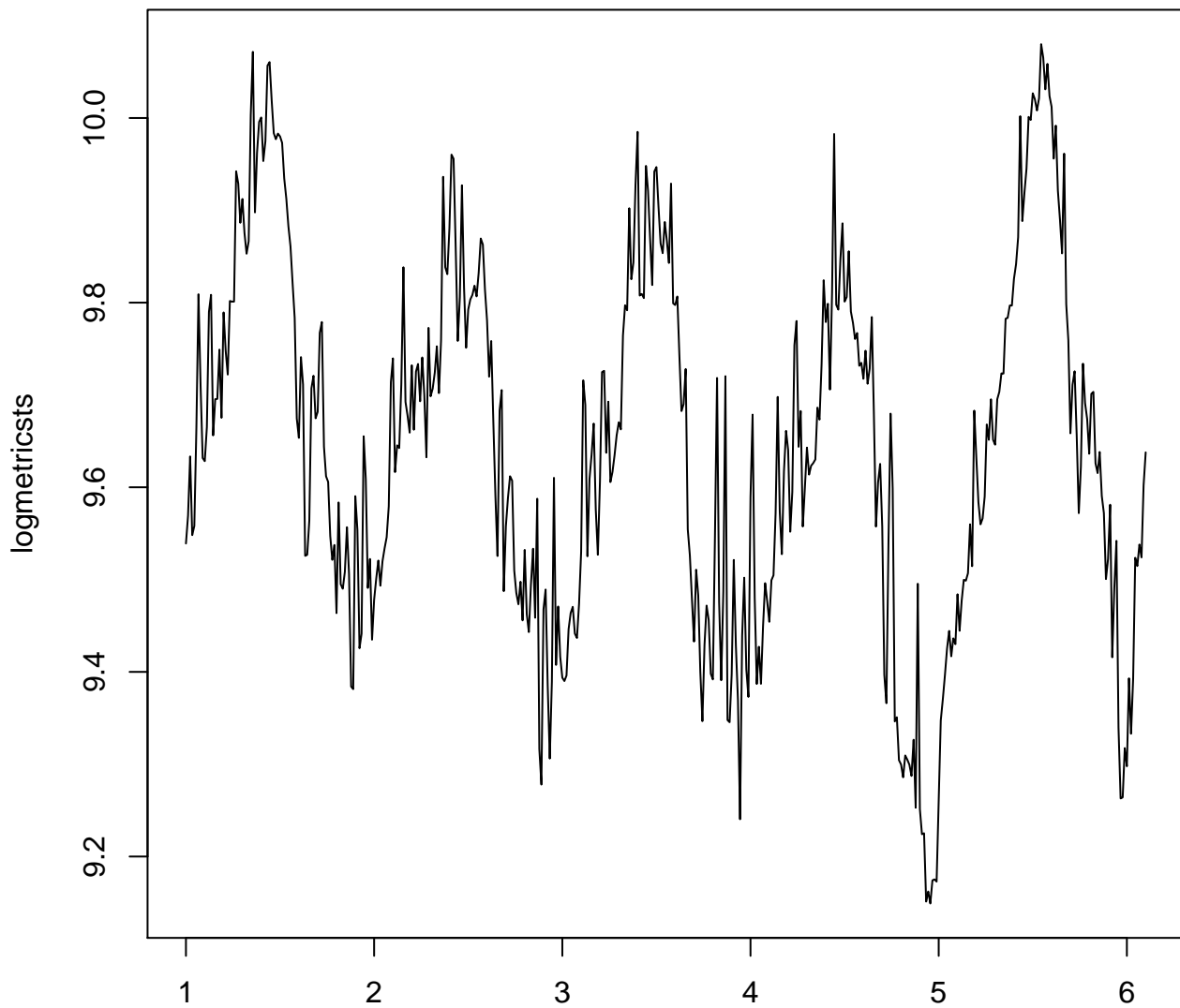


metrics time series



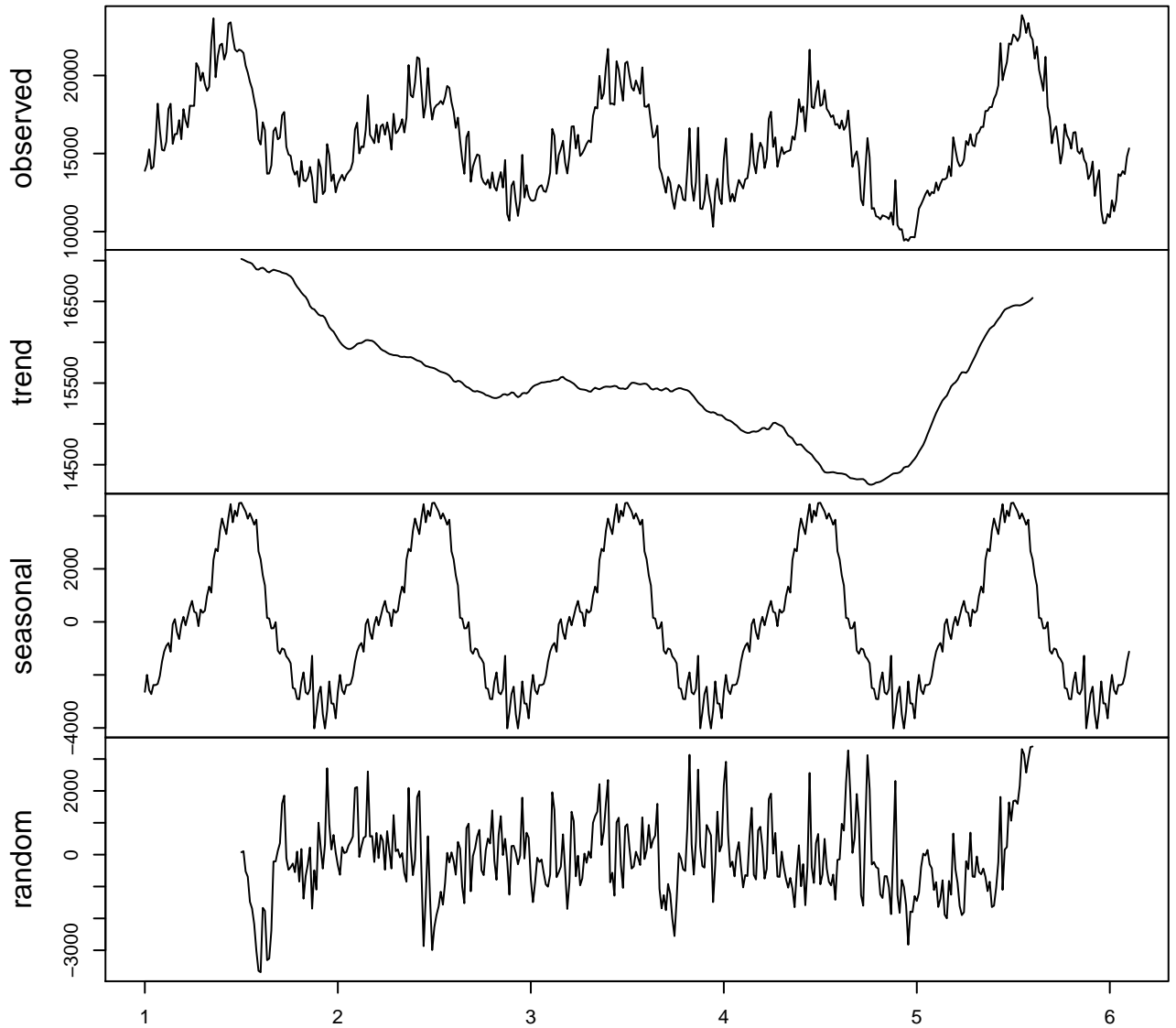
Time
Fig.1

metrics time series log



Time
Fig.2

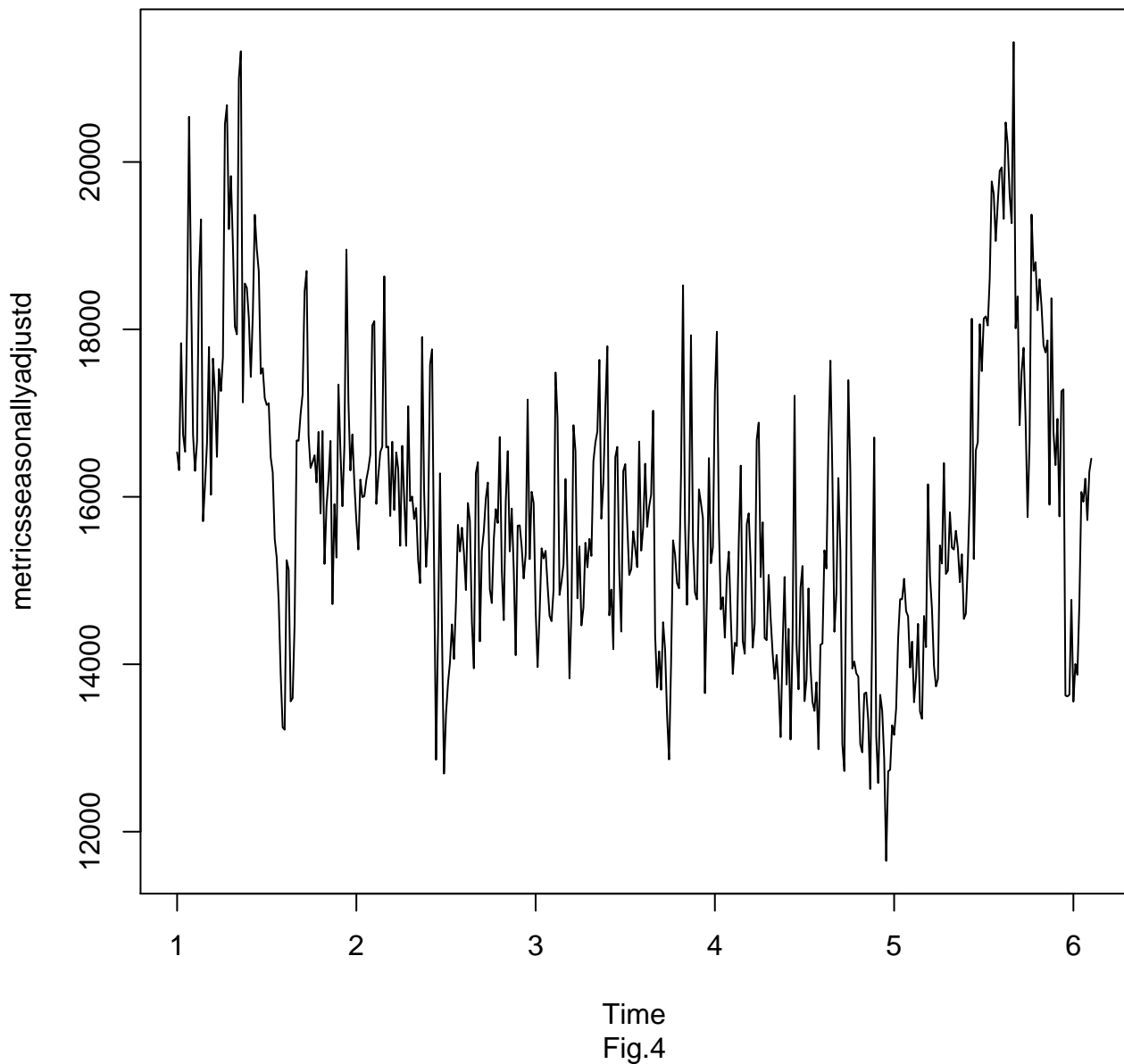
Decomposition of additive time series
metrics decomposition



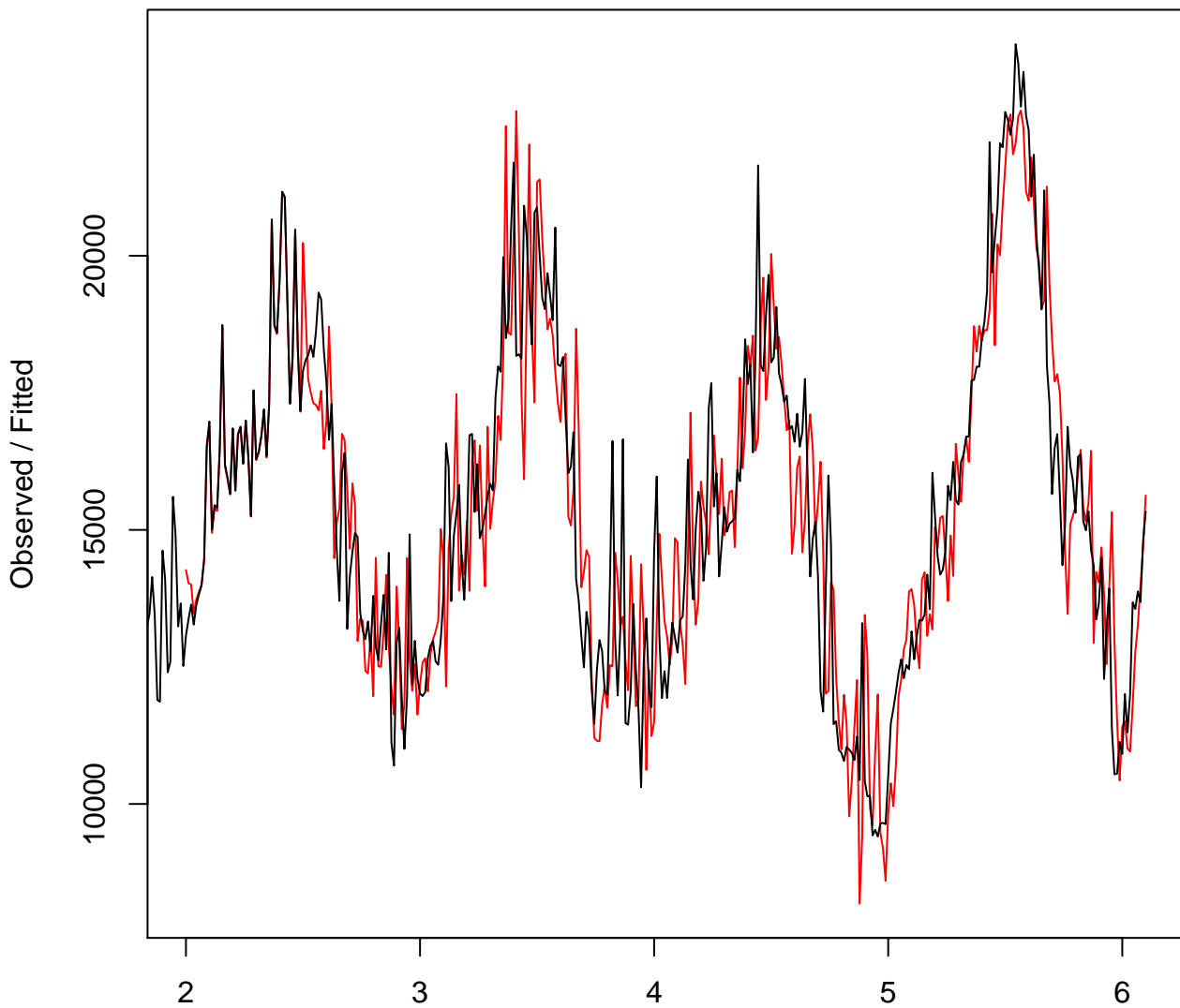
Time

Fig.3

metrics seasonally adjusted



Holt-Winters filtering



Time
Fig.5

Forecasts from HoltWinters

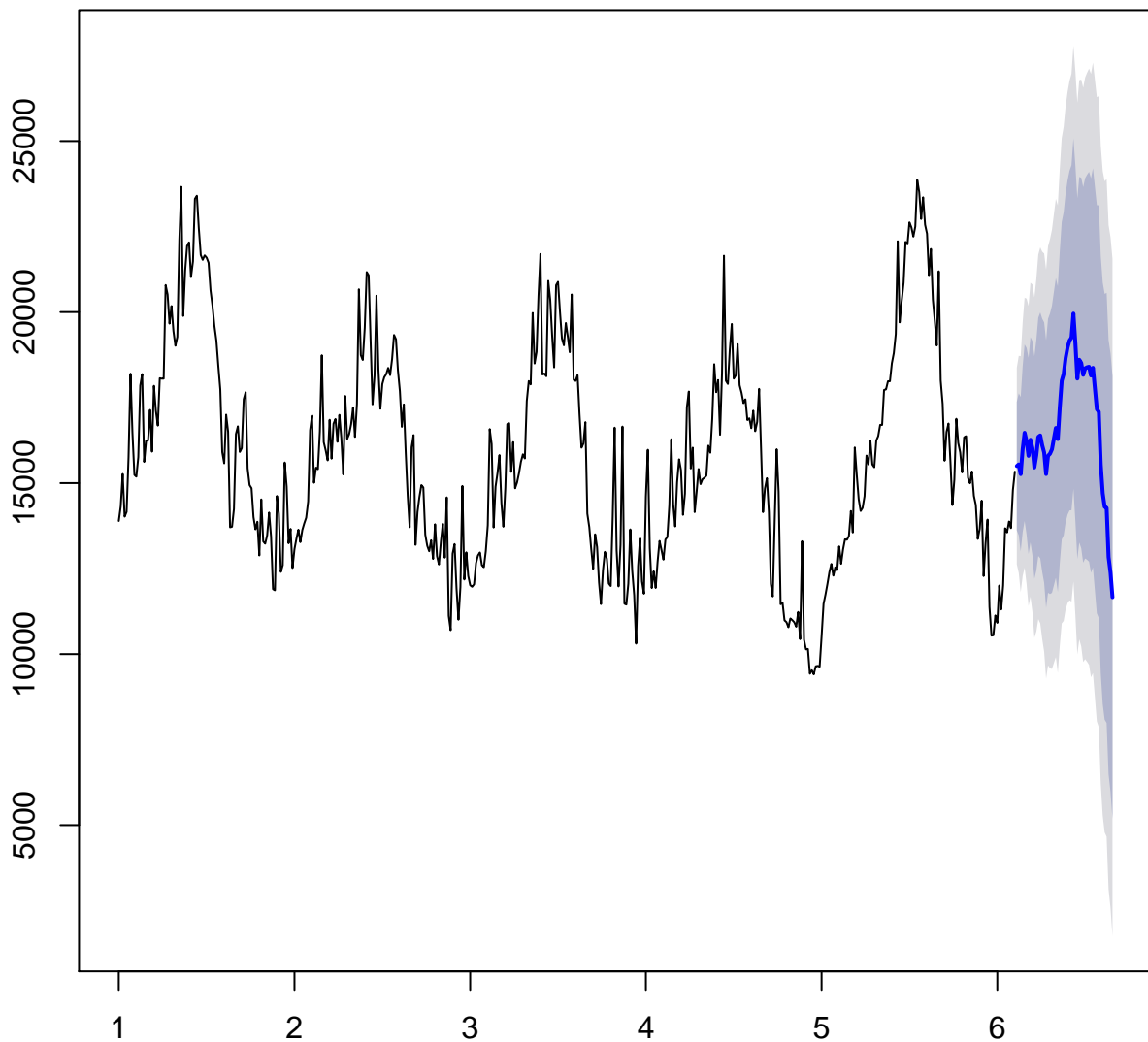
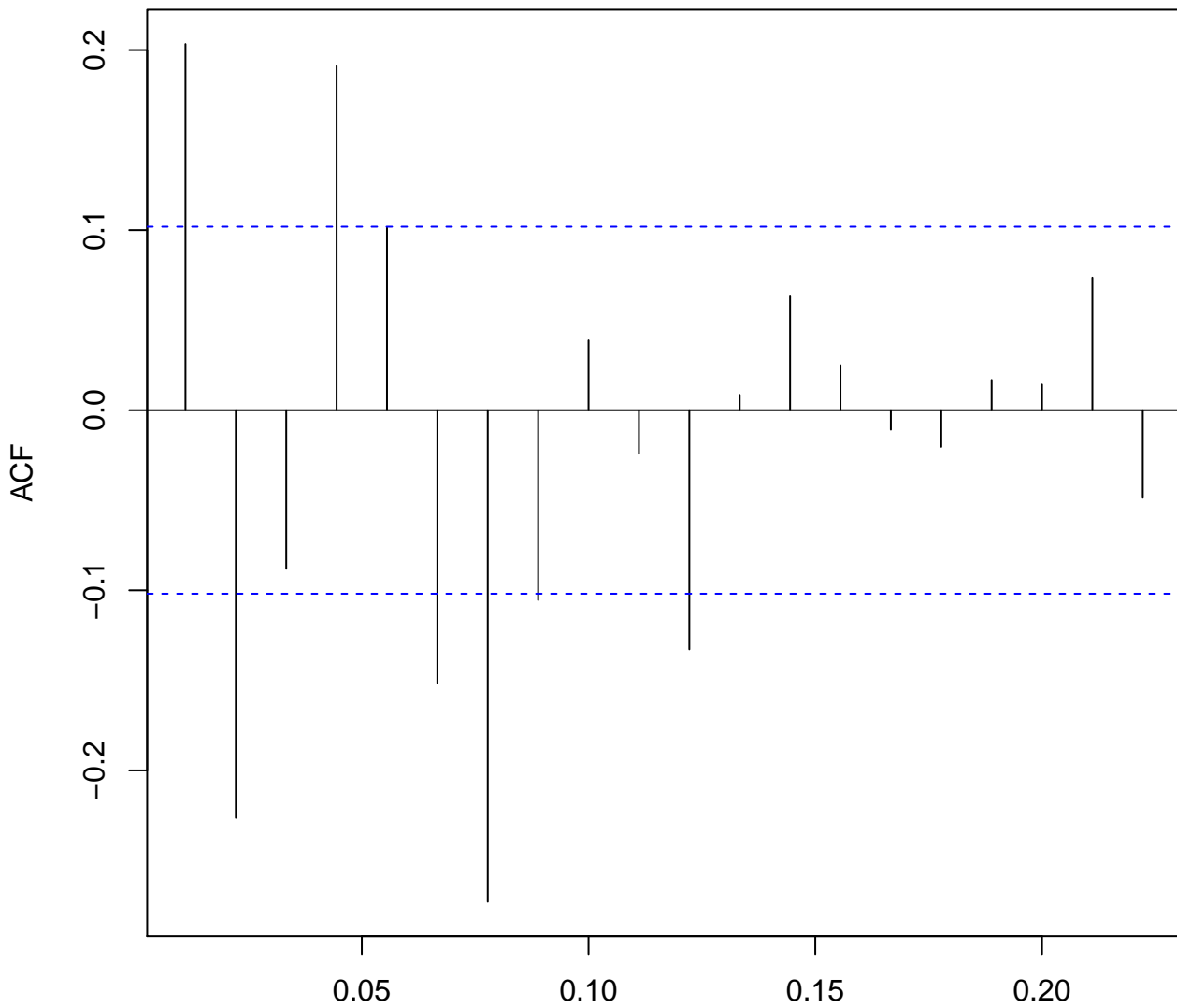
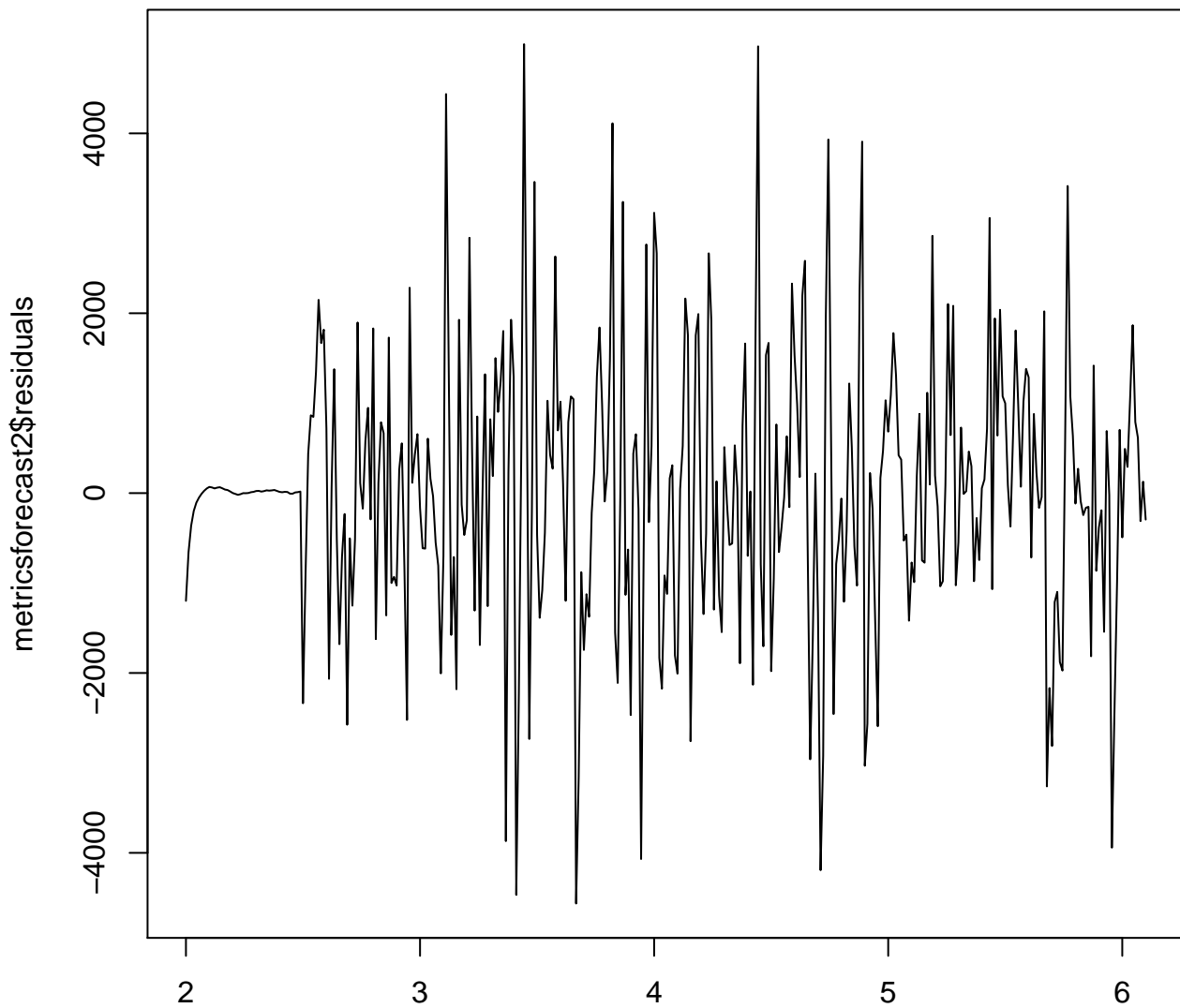


Fig.6

Series metricsforecast2\$residuals



metrics forecast2 residuals



Time
Fig.8