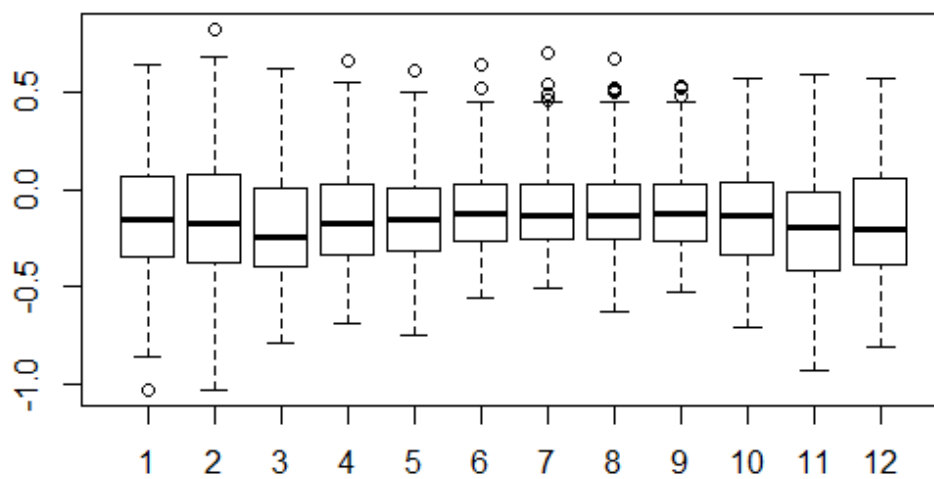
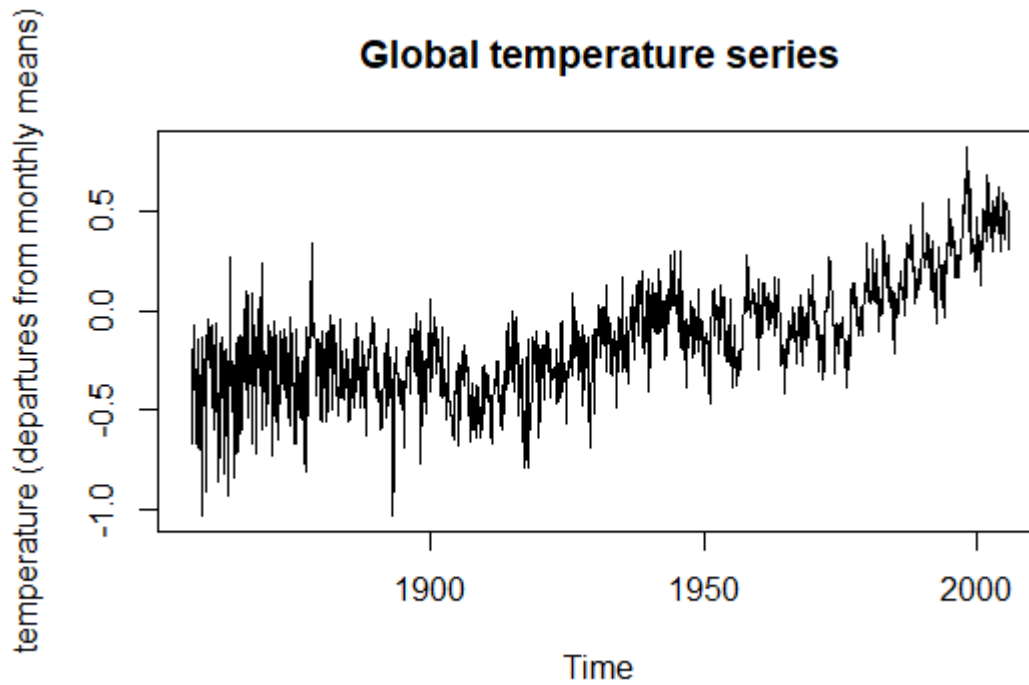
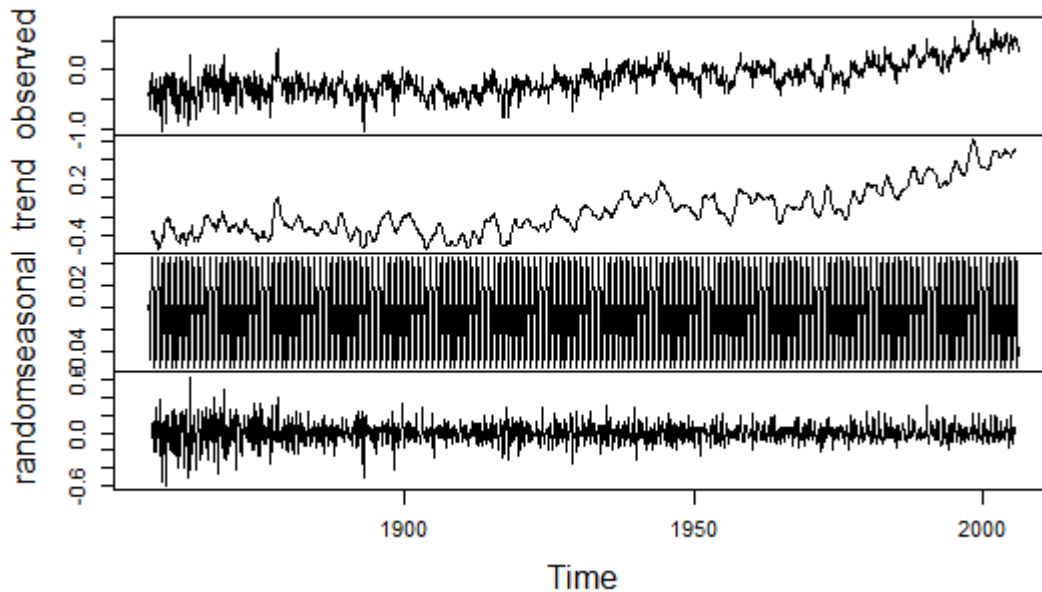


Part 1A

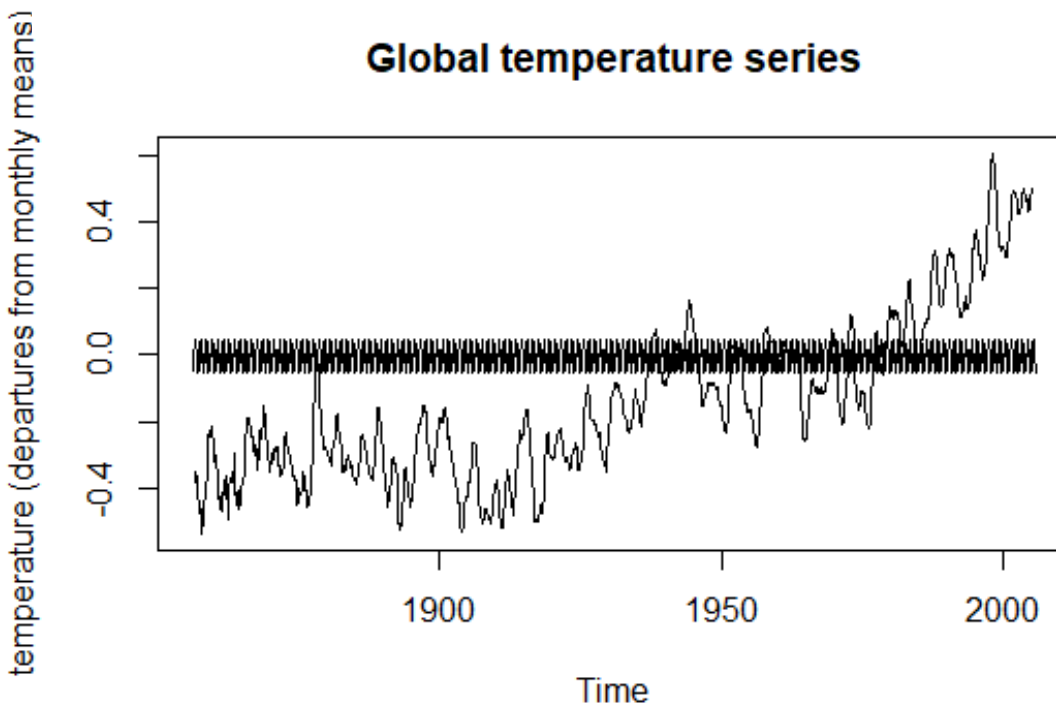


Part 1B

Decomposition of additive time series



Global temperature series



As we can see from the trend plot with seasonality imposed, seasonality is not apparent in our series, since it is quite minimal. This makes sense since we are plotting the time series of temperature that is departed from the monthly means, which intuitively shouldn't be seasonal anyway.