

`co2 {base}`

R Documentation

# Mauna Loa Atmospheric CO2 Concentration

## Description

Atmospheric concentrations of CO<sub>2</sub> are expressed in parts per million (ppm) and reported in the preliminary 1997 SIO manometric mole fraction scale.

## Usage

```
data(co2)
```

## Format

A time series of 468 observations; monthly from 1959 to 1997.

## Details

The values for February, March and April of 1964 were missing and have been obtained by interpolating linearly between the values for January and May of 1964.

## Source

Keeling, C. D. and Whorf, T. P., Scripps Institution of Oceanography (SIO), University of California, La Jolla, California USA 92093-0220.

<ftp://cdiac.esd.ornl.gov/pub/maunaloa-co2/maunaloa.co2>.

## References

Cleveland, W. S. (1993) *Visualizing Data*. New Jersey: Summit Press.

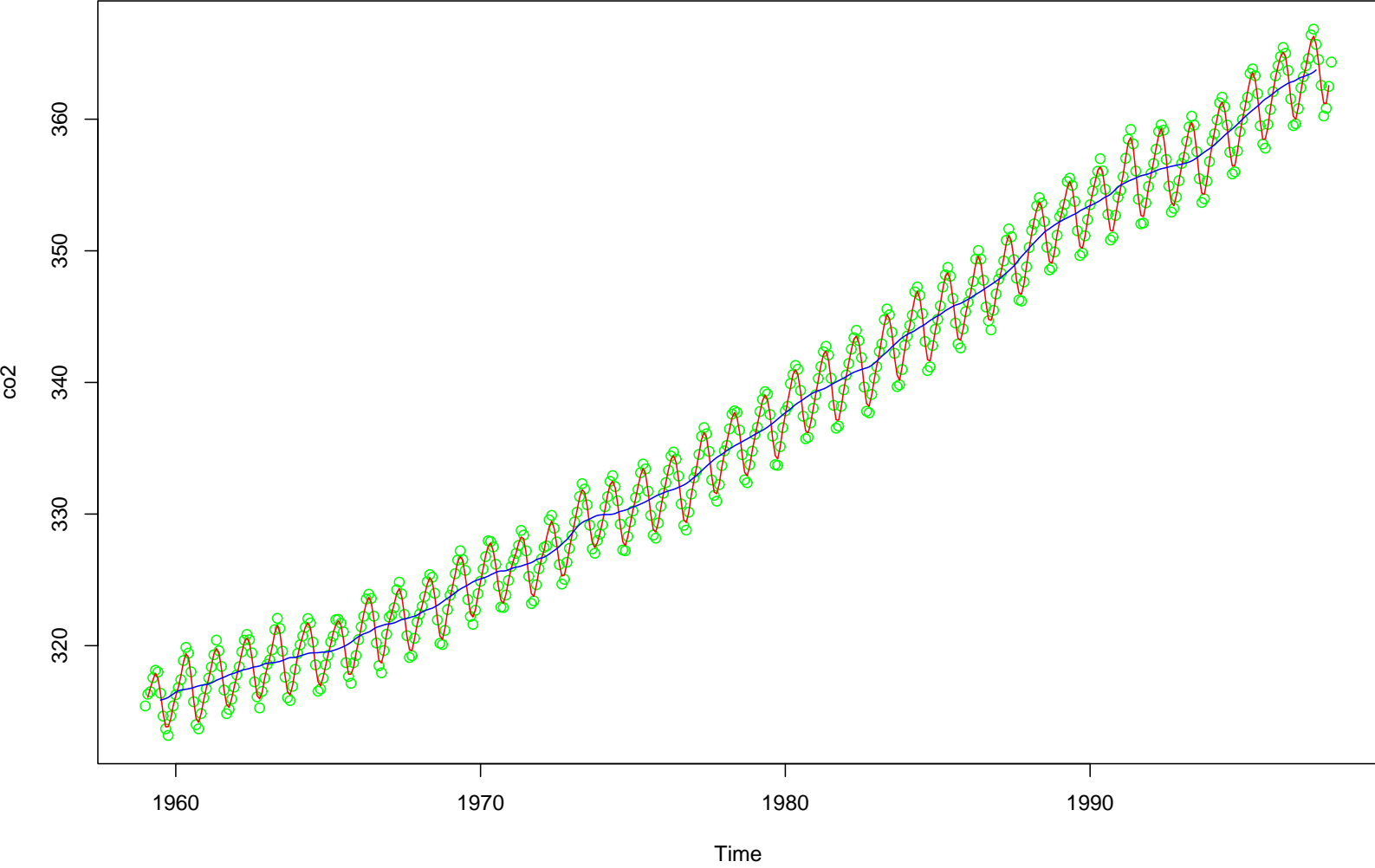
## Examples

```
data(co2)
plot(co2, ylab = expression("Atmospheric concentration of CO"[2]),
      las = 1)
title(main = "co2 data set")
```

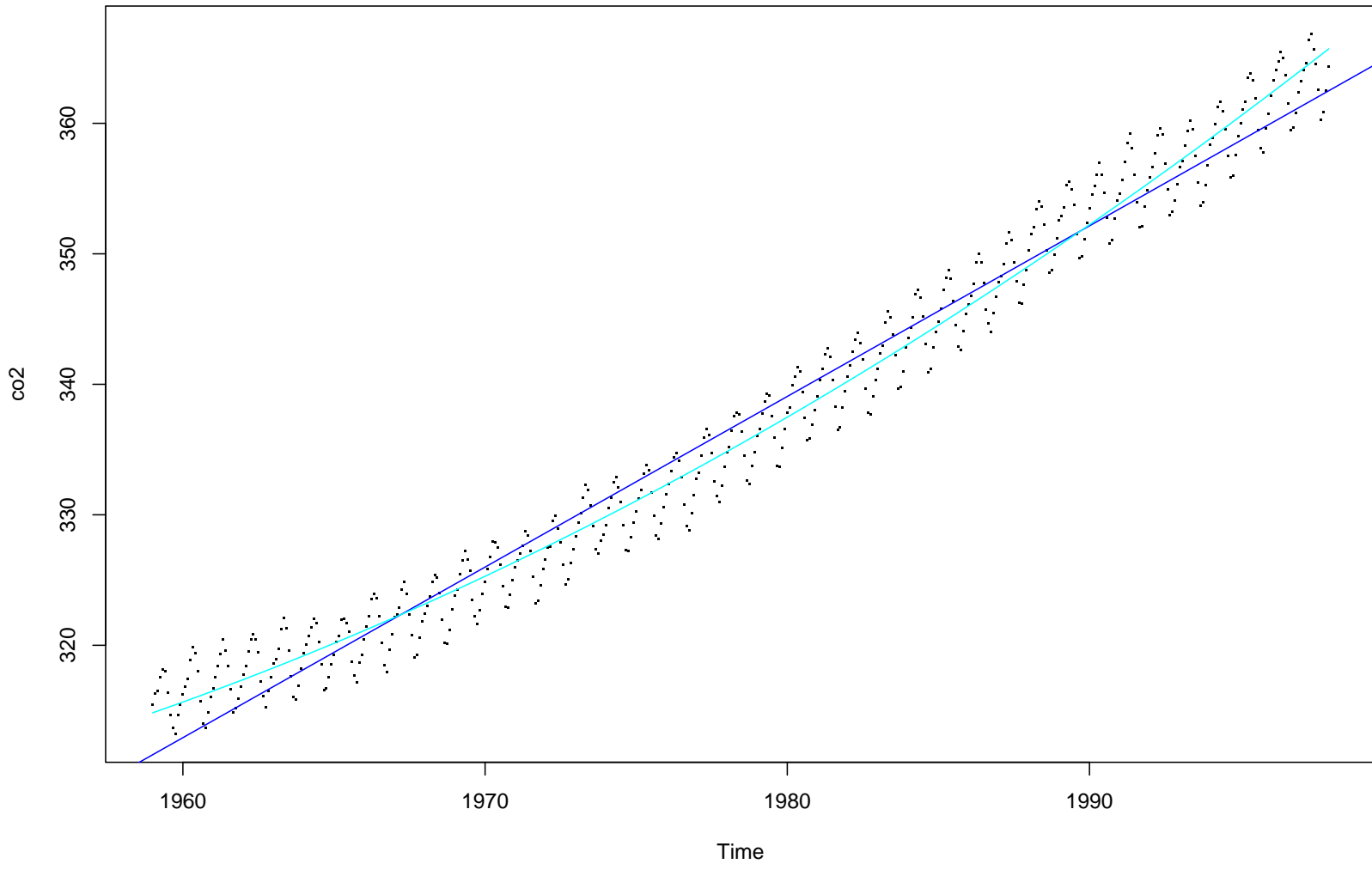
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[\[Package Contents\]](#)

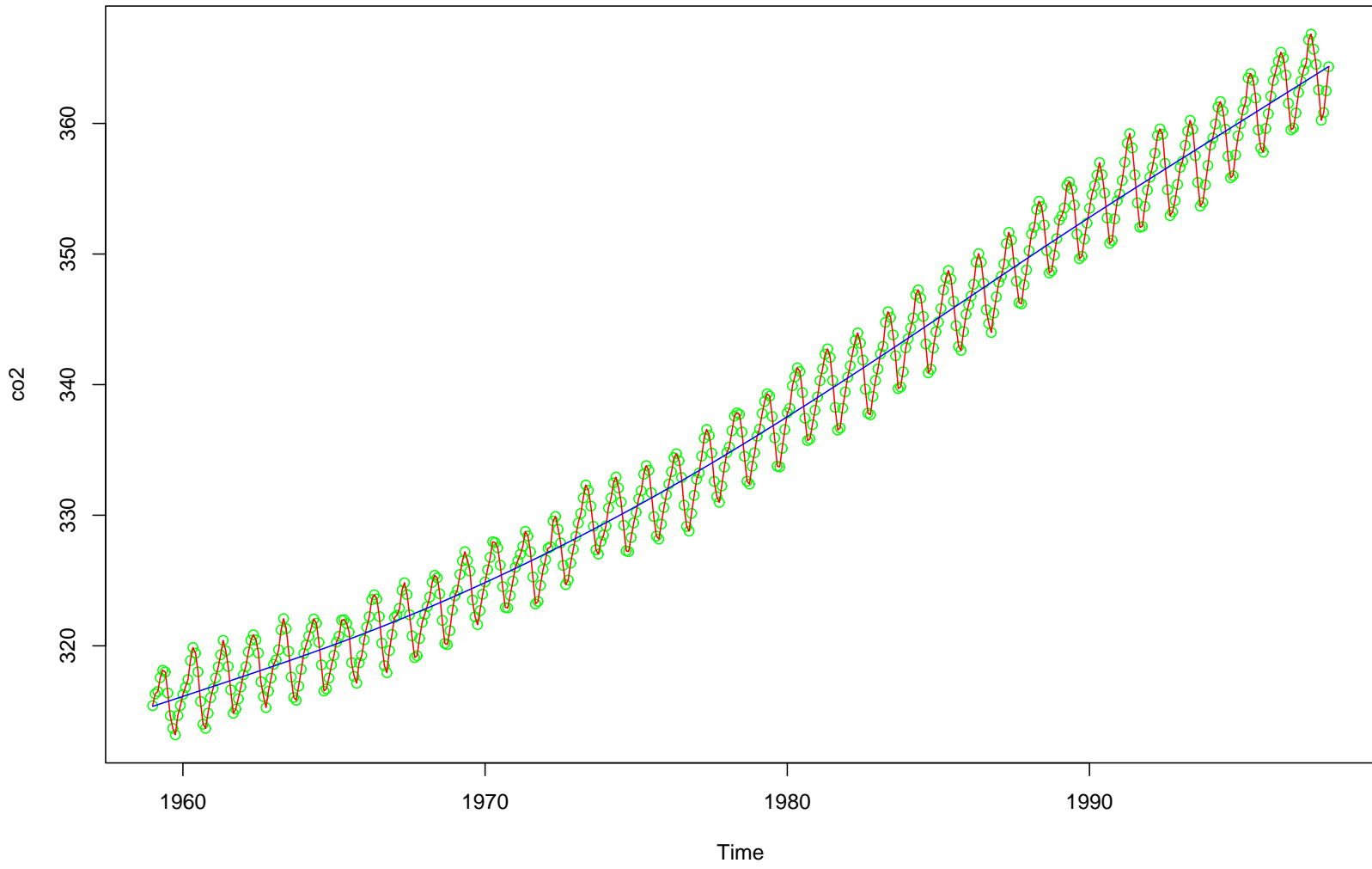
CO2 []: moving averages

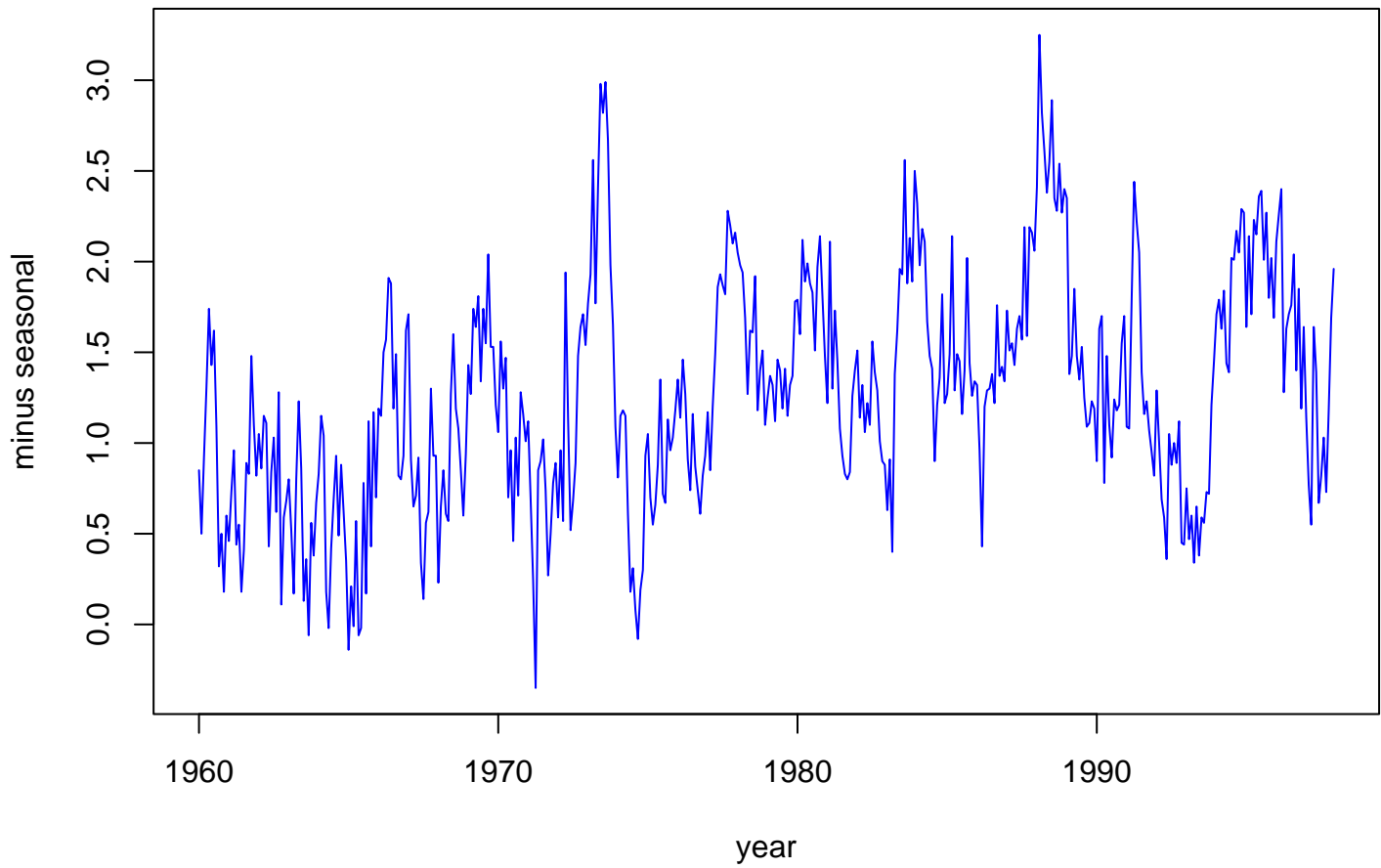


CO2 []: polynomial regressions

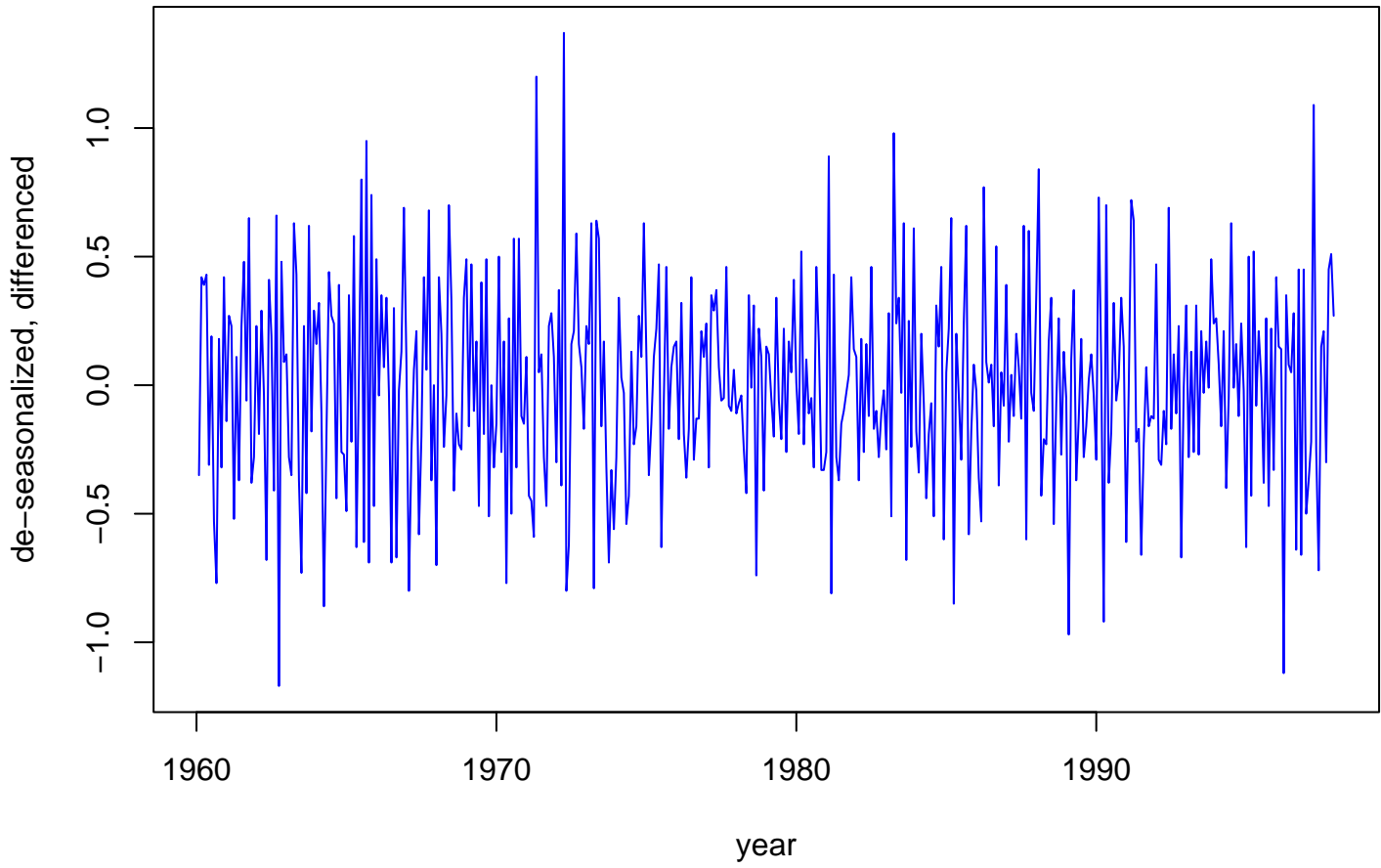


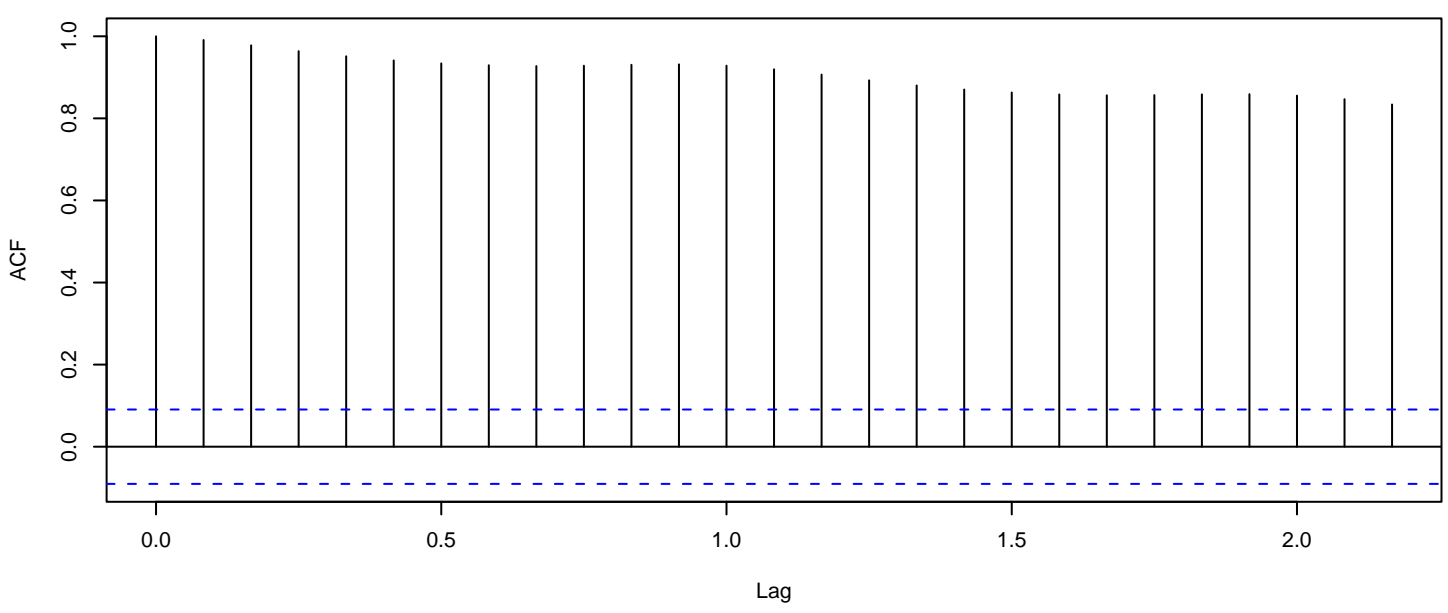
CO2 []: smoothing splines



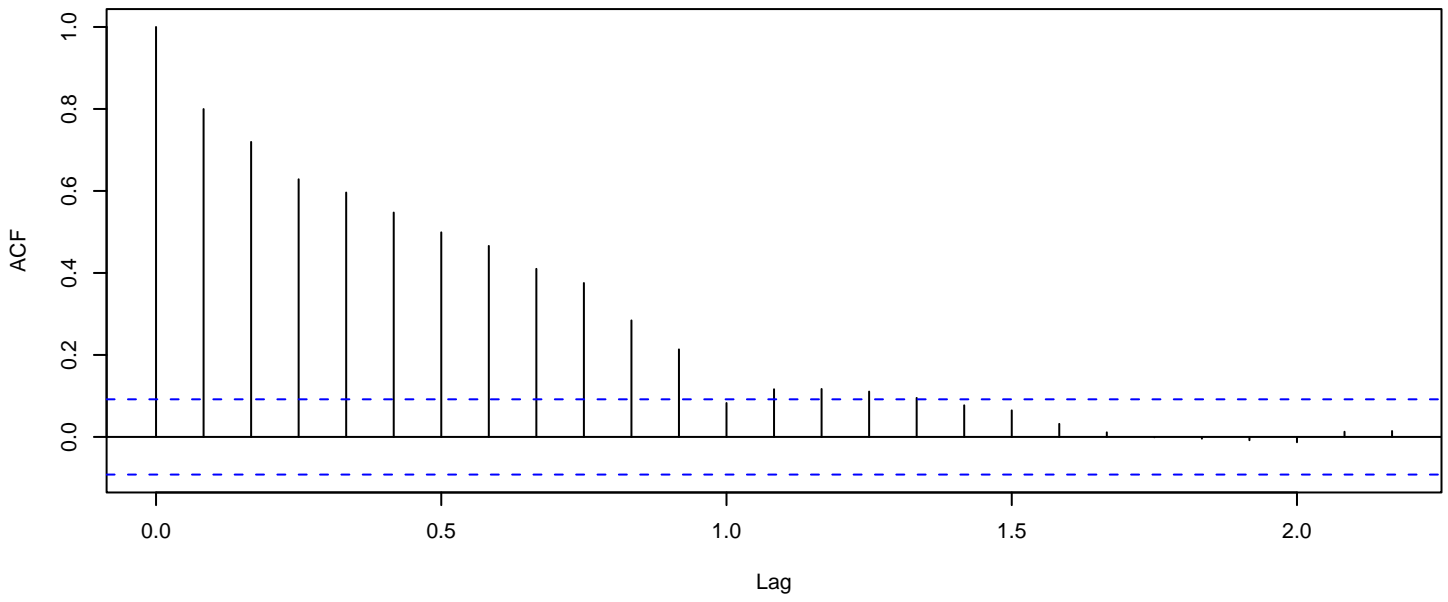


**Residuals**





**Series co2seas**



**Series co2trend**

