

Case: Clima

Story

The dataset *clima* contains yearly average temperatures in Denmark and Greenland for the last hundred years.

Variables

variable name	description
time	year
denmark	average temperature in Denmark
greenland	average temperature in Greenland

Exercise

1. Plot the two time series and compute the correlation. What is the conclusion?
2. Is the temperature in Denmark increasing when considering the time series 1900-1960?
3. Is the temperature in Denmark increasing when considering the time series 1960-2000?
4. Save the results of your analysis in a text document (e.g. latex, word or star-office)

Hints

Suppose you have the dataset (in R it is called data frame) named *clima*. Now you only want a subset of this dataset, e.g. the time series for 1900-1960. This can be obtained by defining a new dataset, here called *clima1960*

```
clima1960 <- clima[clima$time<1961,]
```