

# What was the maximum measured temperature?

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## Introduction

A colleague from the Czech Republic, Karel Fajmon, measured time-series of temperature done in 2007 in one locality within the Czech Republic. Three temperature loggers were used: S (150 cm above ground), M (5 cm below ground) and L (20 cm below ground). What is the maximum temperature for each logger?

The dataset is on REcol website (<https://www.davidzeleny.net/wiki/doku.php/recol:data>), in **1. Temperature measurements**.

## What to do

1. Import temperature data into R directly from the `temperature.txt` file on the website (no clipboard copy allowed).
2. Calculate **maximum** temperature for each of variables **S**, **M** and **L**
3. Retype maximum values into the R script, and upload it into NTU COOL.

## Hints

1. Import data directly from website using `read.delim` function, with argument "file =" linking directly to the website link of the file `temperature.txt` (<http://www.davidzeleny.net/wiki/lib/exe/fetch.php/recol:data:temperatures.txt>)
2. The function to calculate maximum values is clear: `max`. However, note that some of the values in the columns are missing (NA), so if you apply `max` function directly, the response will be NA. Solution is in the use of argument `na.rm` (in function `max`) - check the help file for it.