

Exercise 2. Descriptive statistics

Produce a short report describing the daily *minimum* and *maximum* temperature data in `temp.txt` using something like the following approach, which can be taken as a template for exploratory data analysis more generally.

1. Make sure that you understand the data.
2. Decide what features of the data to investigate.
3. Decide what statistics and plots to use to do this.
4. Compute the statistics and plots you have chosen.
5. Interpret the results with regard to your chosen aims.
6. Do the results suggest further investigations? If so, repeat steps 2 to 5. If not, write up your findings.

Any data analysis report should contain the following information: an explanation of the data, a statement of the investigative aims, a description of the statistical methods used, a commentary on the results, and a summary of the conclusions. Remember that you are conducting a statistical analysis to enhance understanding, not to produce page after page of tables and graphs.

If you have time, produce a short report describing the wind-speed data in `wind.txt` as well.