

# Base graphics in R

## Exercises

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### Section 2

1. Using the `AIRQUALITY` dataset in the package `DATASETS`, create two scatter plots of ozone with temperature and wind speed.
2. Using the function `plot()`, create box plots of ozone by month, and then by a categorised version of temperature with cut-offs placed at quartiles.

### Sections 3-4

3. Using arguments of `plot()`, modify the graphical parameters of the scatter plot between ozone and temperature. Specifically, try to improve labels, axis ranges and dimensions of the graphic elements. Also, include a title.
4. Using the argument `las`, increase the number of tick marks in the x-axis of the plot above (hint: check this graphical parameter in `?par`).
5. Create an histogram of wind speed, then using arguments to improve the default look.

### Sections 5-7

6. Repeat the plot in exercise 4 of this chapter, this time excluding the main graphical elements (the points). Then include a grid (hint: function `grid()`), and finally re-insert the main graphical elements.
7. Save the last plot as a pdf file with name `MYGRAPH` in the `FILES` folder.