

# Problem set 1 notes

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## Code style

A couple of common code style issues were:

- Code lines that were too long. The general rule of thumb is to keep your code lines (including lines with comments) less than 80 characters. In R Studio you can set the UI to have a vertical line at 80 characters as a useful guide. Go to **Preferences**, click on the **Code** tab, and then choose **Display** at the top. You will see an option to **Show Margin** and you can set that to 80 characters.
- Indentation. A number of people did not indent their code properly (i.e. everything inside a function should be indented). You can use the keyboard shortcut Command (or Ctrl) + I to auto-indent in R Studio.
  - Note, you can also auto-format your code in R Studio with Command (or Ctrl) + Shift + A.

## Presentation of results

- Textual explanation of code: as noted in the formatting requirements on the problem sets please add some text that explains your approach to the problem. This does not have to be overly long, but it should give me an idea of how you thought about the problem and what choices you made. It is not enough to just have this in the comments of the code.
- Print out results, but there is no need to print out an entire data.frame if it is too large. Presenting the head and possibly the dimensions (particularly for problems like 4d) of your results is best.

## .gitignore file

Make sure to have a .gitignore file in your repo. The recommended version of R code is included in the submittingelectronically.txt file in the howtos folder of GitHub.

Also, for those of you where .DS\_Store files are in your repo (presumably not on purpose), you can always add that to your .gitignore. Note, this won't remove the files that are already there, but will prevent any additional .DS\_Store files from being tracked.