

Exercises 2

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1. Create a `.R` script file into the `/tests` directory
2. Create a `.Rmd` file to draft a report on this exercise (in `/reports`). Embed your writing and all the R code in the same document. Set the parameters of the R code chunks so that all your code is visible. (Some help on this [here](#))
3. Load the CIS (*Barómetro autonómico 2012*) `.sav` data.
4. What variables measure individual ideological position, social class, and party preference in national elections?
5. Create a subset of data that contains variables that are interesting for our project
 1. The subset **must** contain the variables chosen in question 3 and the variable PESO.
 2. Add **at least** two other variables that you think may affect the relationship between class, ideology, and party preference
 3. How many variables does the new data file have now?
6. Create a contingency table of social class against party preference in national elections
7. Create a contingency table of social class against party preference in national elections with row percentages. Round numbers to have only 2 decimal values.
8. Repeat the operation of question 6 but now use the weight variable PESO. At first sight, what do you observe about the relationship between class and party preference? And about class and participation?
9. Install the `knitr` package and load it.
10. Create a contingency table of ESTATUS and ESTUDIOS weighting for PESO (use the `barauto_12` dataset if you didn't choose ESTUDIOS in your subsetting). Using the `kable()` function from the `knitr` package, embed this table into the document.
11. Create a new variable called `RECUERDO.2` in your dataset in which all parties from the `P42a` variable are classified into one of only two possible values: left or right party. Set all the non-party options to `NA`.
12. Create a new variable called `RECUERDO.3` in your dataset in which all parties from the `P42a` variable are classified into one of only three possible values: left, right, nationalist party. Set all the non-party options to `NA`.