tidyr Lab

2019-02-14

Exercise 1

Tidy the data frame `ex0724` from the `Sleuth3` package. You can read about this data frame by typing `help(ex0724)` after loading Sleuth3.

Exercise 2

Load in and tidy the `pred` data frame: https://dcgerard.github.io/stat_412_612/data/preg.csv

Make the coding for any new variables nice.

Save the tidied data frame in the output folder.

Exercise 3

Load in and tidy the `pew` data frame: https://dcgerard.github.io/stat_412_612/data/pew.csv

Values in the cells are counts of people who adhere to a particular religion and contain a particular salary range.

Save the tidied data in the output folder.

Exercise 4

Load in and tidy the `tb` data frame: https://dcgerard.github.io/stat_412_612/data/tb.csv

The column names specify both the sex (`m` = male, `f` = femail) and age range (`04` = 0 to 4, `514` = 5 to 14, `014` = 0 to 14, `1524` = 15 to 24, `2534` = 25 to 34, `3544` = 35 to 44, `4554` = 45 to 54, `4464` = 55 to 64, `65` = >=65, `u` = unknown). The values in the cells are counts.

Save the tidied data in the output folder.

Exercise 5

Load in and tidy the `weather` data frame: https://dcgerard.github.io/stat_412_612/data/weather.csv

- A column header that begins with a "d" is a day.
- For `element`, `tmax` = maximum temperature, `tmin` = minimum temperature.
- The values in the cells are the maximum or minimum temperatures for given days of the year.

Save the tidied data in the output folder.

Exercise 6

Load in and tidy the `wine` data frame: https://dcgerard.github.io/stat_412_612/data/wine.csv