README
plot_CHISdata.R

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This is a single script that extracts a subset from the California Health Information Survey. The CHIS is the largest state health survey in the US.

Data set

This repository contains a data dictionary describing all features in the data set (puf09_adult_datadic.pdf).

The data file used with this script is too big to upload to github. To access the file you can go to the official website of CHIS: https://healthpolicy.ucla.edu/

More specifically, go to the 2009 adult data set in the public doman (require to create an user account): http://healthpolicy.ucla.edu/chis/data/public-use-data-file/Pages/2009.aspx

or also use this link (the copy of the data I used): https://drive.google.com/open?id=1s56egQM4LpGZIK582vJFjw19wjT8S-cq

How to visualize CHIS data set using plot_CHISdata.R

Note: You should have installed in RStudio before following the next steps:

- ggplot2
- haven package
- dplyr package
- reshape2
- ggthemes

After installing all the required packages:

1. Download the data. Save it inside a folder called *chis09_adult_spss*
2. Download plot_CHISdata.R and locate it in the parent folder of *chis09_adult_spss*
3. Create a directory *chis09_plots* for the plots to be saved in.
4. Open plot_CHISdata.R in RStudio. Set your working directory to the folder where plot_CHISdata.R is located (i.e. the parent folder of *chis09_adult_spss*).
5. Run the script in RStudio:

Run `source("plot_CHISdata.R")`

11 new files should appear in the folder *chis09_plots* with the resulting plots.