SOC 5050: Lab 01 (Modified)

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Directions

Please complete all steps below. Your final do-file, log-file,[1] and the answers to the questions in Part 3 should be brought to class next week (Monday, August 29th, 2016).

[1] Log-files are text files that are automatically created by the do-file template we will use this semester. These provide you with a record both of the commands and their out.

Part 1: Get Started with GitHub.com

1. If you have not already done so, please register for a GitHub.com account. Once you are registered, I will invite you to join the SOC 5050 organization. Once you have joined, I will be able to give you access to your assignment repository.
2. Practice navigating the website by opening files in the `Core-Documents` and the `Week-01` repository.
3. Look at the "issue" I have opened in your assignment repository.[2] Practice using the "issues" system by responding quickly to my comment and then "closing" the issue.

[2] This is a great way to communicate with me about questions you have or issues you want help with. As long as you tag me in your comment (@chris-prener), I will get an alert. **Note that you will not be able to see this repository until I have given you access to this directory.**

Part 2: Your First Stata Do-File

4. Complete a do-file that accomplishes the following tasks using the dataset `nlsw88.dta` that is pre-installed with Stata. Test each command interactively in Stata's command line. Once you have it working, copy the working code into the do-file named `lab-01-modified.do` that is included in these instructions. Towards the bottom of the file is some text that says `/* begin writing commands here */`. Each command should be entered onto its own line below this text.
   (a) Open the dataset
   (b) List all variable names and labels in the dataset
   (c) List the variable names and labels for the following variables: `age`, `race`, `married`, `occupation`, and `union`.
   (d) List descriptive statistics for all variables in the dataset.

(e) List descriptive statistics for the following variables: `age`, `race`, `married`, `occupation`, and `union`.

(f) Create a frequency table for the variable `occupation` with value labels displayed and also without value labels.

(g) Create a frequency table for the variable `union` with value labels displayed and also without value labels.

(h) Create a histogram of the variable `hours`.

5. Debug your do-file so that it executes without error (again, see slides posted on GitHub for a refresher on where the execute button is). The do-file will automatically create a folder on your desktop where the log-file is saved. You can move your do-file into this folder along with your answers to Part 3.

Part 3: Questions

6. Open the question sheet provided with these instructions (`lab-01-questions.md`). Answer all of the questions in the spaces provided. If you are using a Windows computer, Notepad is the best application to use. If you are a Mac user, use the TextEdit application. Alternatively, you can download Atom on either operating system and use that to write your first Markdown file.

Document Details

Document produced by Christopher Prener, Ph.D. for the Saint Louis University course SOC 5050 - QUANTITATIVE ANALYSIS: APPLIED INFERENTIAL STATISTICS. See the course wiki and the repository `README.md` file for additional details.