SOC 4650/5650: Lecture Prep 03 - Tibbles

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Directions

Complete all of the following questions. A replication video will be posted on YouTube. A well-organized project with your R notebook source (`.Rmd` file) as well as your `html` and `.md` output should be uploaded to your GitHub assignment repository in the `LecturePreps/LP-03` directory by 4:15pm on Monday, Feburary 5th, 2017. Questions 5 and 6 do not need to be included in your notebook.

Analysis Development

1. Using RStudio, add an R Project to the `LecturePreps/LP-03` subdirectory in your assignment repository. You should also add a folder within it called `docs`.
2. Save a new R notebook file (`.Rmd`) to your `docs` folder, and update the YAML heading as well as the initial four sections ("Introduction", "Project Set Up", "Load Dependencies", "Load Data"). In dependencies,
3. In the `package-load` code chunk under "Load Dependencies", enter the following code:

```
library(dplyr) # data wrangling
```

4. In the `data-load` code chunk under "Load Data", enter the following code:

```
library(stlData) # data source
leadData <- stlLead
```

Part 1: Tibbles

5. In the *console*, use the `print()` function on `leadData`:

```
print(leadData)
```

6. In the *console*, use the `as_tibble()` function on `leadData`:

```
as_tibble(leadData)
```

7. Describe the difference in output between question 5 and question 6. Which output is easier to read? Why?

8. Convert `leadData` to tibble named `leadTibble` using the `as_tibble()` and the assignment operator:

```
leadTibble <- as_tibble(leadData)
```

Analysis Development: GitHub

9. Save your R notebook to update the `html` output and then knit it to create the markdown (`.md`) output.

10. Commit your changes and push them to GitHub. Go to the website and make sure they have posted. If this doesn't work, let us know. We'll go through this process again at the beginning of next class.