SOC 4650/5650: Lecture Prep 07 - Writing Data with R

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Directions

Complete all of the steps below. Your `R` notebook and associated output (i.e. knit documents, data) should be uploaded to your GitHub assignment repository in the `LecturePreps/LP-07` directory by 4:15pm on Monday, March 5th, 2018.

Analysis Development (Review from Lectures 01 and 02)

The goal of this section is to create a self contained project directory with all of the data and, code this assignment needs. Make sure your `LP-07` directory contains all of the necessary subfolders for this assignment. This should include an `R` project and notebook.

Part 1: Writing Tabular Data

1. Load the `stl_tbl_lead` data from the `stlData` package[1] into a new data frame.
2. Using the `readr` package's `write_csv()` function, save your data frame to your `data/` subfolder:

```
write_csv(leadTibble, here("data", "leadData.csv"))
```

[1] This lecture prep requires the **updated** version of the `stlData` package, which you should have downloaded and installed at the beginning of Lecture-05.

Part 2: Writing Shapefile Data

3. Load the `stl_tbl_lead` data into a new data frame as an `sf` object using the `stlData` package's `stl_as_sf` function:

```
leadSf <- stl_as_sf(stl_tbl_lead)
```

4. Using the `sf` package's `st_write()` function, save your data frame to your `data/` subfolder:

```
st_write(leadSf, here("data", "leadData.shp"))
```