Title: An Introduction to Data Cleaning and Visualization using the *tidyverse*

Abstract:

We will be giving an introductory seminar on Hadley Wickham’s *tidyverse*. The *tidyverse* is a collection of R packages designed to work together for easier data manipulation and exploration. This collection of packages is designed to be human readable, making it more accessible to those new to coding.

This seminar will be geared towards beginner coders and those unfamiliar with the *tidyverse*. We will introduce data visualization through *ggplot2*, data manipulation through *dplyr* and *plyr*, and the coding syntax introduced by “piping” functions in *magrittr*.

If you would like to follow along during the presentation, you can download all of the *tidyverse* in R using the command: *install.packages('tidyverse')*. We will be working with datasets that are preloaded in R so everyone will have access to them.