Tidyverse Workshop for GLEON 21

The goal is to walk through the main steps of data analysis

1. Organizing projects and controlled vocabulary
2. Orient to R and RStudio – Projects
3. Packages and Libraries
4. Annotating code
5. Read in files
6. Graphing data
7. Factors and ordering
8. Transform/mutate data
9. Joining data sets
10. Manipulating strings

Reading in files

1. Import data with point click
2. Read\_csv – reading in csv files
3. Read\_excel – reading in excel files
4. Reading in data with missing rows at the start - guess\_max = XXXX
5. Reading in data and cleaning names – Janitor
   1. Note the pipe….

Plotting data with GGPlot

1. GGplot the traditional
   1. Adding custom color and shapes
   2. Adding custom names to series
   3. Reordering series
   4. Scales and coord\_cartesian
2. GGplot – pipes and filters