# Getting Started Lab

Research Question: How does age affect the labor force?

Goals for Lab:

* Installing necessary tools for course (R, Rstudio, R packages)
* Performing basic operations on data (plots, descriptive statistics)
* Simple Data Analysis

Deliverable:

### Write-Up

Write a two to three page report of your results. The file should include:

Results from descriptive statistics

In a table, present the minimum, 25th percentile , median, mean, 75th percentile, and maximum value for each variable

Plots

Summary statistics for each variable

Bar Chart of Civilian Labor Force Total with labels by Age

Scatter Plot of Age and Civilian Labor Force by Percent of Population

1. With original colors
2. With one new color

Scatter Plot of Civilian Labor Force (Percent), Age, and Civilian Labor Force (Employed) (hint: think about what information you would want from these three variables)

Scatter Plot of Percent of Population Not in Labor Force by Age with different color dots for Ages with labor force non-participation over 50%

Interpretations of each

One to two sentences

### Steps for Lab:

Install R

Install RStudio

Install (or confirm) Necessary Packages: [XLConnect](https://cran.rstudio.com/web/packages/XLConnect), [tidyverse](https://cran.r-project.org/web/packages/tidyverse/index.html),

Download Data set from Modules

Load Data into Rstudio

Create Information for Report

Prepare and submit report