

**WSS ASA-COC Traveling Course**  
**Welcome to the Tidyverse: An Introduction to R for Data Science**

**Date:** Tuesday, May 7, 2019

**Time:** 9:00 am – 4:30 pm

**Instructor:** Dr. Garrett Golemund, Data Scientist and Master Instructor, Rstudio

**Place:** Bureau of Labor Statistics

Conference and Training Center Room 9-10, 2 Massachusetts Avenue NE,  
Washington, DC

**Course Content:**

Looking for an effective way to learn R? This one day course will teach you a workflow for doing data science with the R language. It focuses on using R's Tidyverse, which is a core set of R packages that are known for their impressive performance and ease of use. We will focus on doing data science, not programming. You'll learn to:

- \* Visualize data with R's ggplot2 package
- \* Wrangle data with R's dplyr package
- \* Fit models with base R, and
- \* Document your work reproducibly with R Markdown

Along the way, you will practice using R's syntax, gaining comfort with R through many exercises and examples. Bring your laptop! The workshop will be taught by Garrett Golemund, an award winning instructor and the co-author of R for Data Science.

**About the Instructor:**

Dr. Garrett Golemund is the author of Hands-On Programming with R and a co-author of R for Data Science and R Markdown: The Definitive Guide. He wrote the lubridate R package and works for RStudio as an advocate who trains engineers to do data science with R. If you use R yourself, you may recognize Garrett from his video courses on Datacamp.com and O'Reilly Media, or for his series of popular R cheatsheets. Garrett earned his Phd in Statistics from Rice University in 2012.

**Course Schedule:**

8:15 - 9:00     Coffee, breakfast, and check in

9:00 - 10:15    Document your work reproducibly with R Markdown

10:15 - 10:30   Break

10:30 - 12:00   Visualize data with ggplot2

12:10 - 1:00    Lunch (provided)

1:00 - 2:30     Wrangle data with dplyr

2:30 - 2:45 Break

2:45 - 4:30 Fit models with the Tidyverse

**Advance registration:** In addition to your RSVP here, please go to <https://www.eventbrite.com/e/wss-short-course-welcome-to-the-tidyverse-an-introduction-to-r-for-data-science-tickets-58726348088> to register and pay for the class. Online registration will close on April 30, 2019; earlier if the course fills up. **NO late registration or onsite registration after April 30, 2019!**

**Registration Fee:**

Full-time students (at most 6): \$63.69 advance

WSS members: \$187.89 advance

All others: \$218.94 advance

**Contact person:** Daniel Yang, 202-691-7530, yang.daniel@bls.gov