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 Grolemund, 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
Grolemund, an award winning instructor and the co-author of R for Data Science.

About the Instructor:
Dr. Garrett Grolemund 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](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