

SHANNON M. PILEGGI, PHD

EDUCATION

2012
|
2005

2005
|
2001

● **PhD and MS, Biostatistics**

Emory University

 Atlanta, GA

● **BA, Mathematics and Hispanic Studies**

East Carolina University

 Greenville, NC



PROFESSIONAL EXPERIENCE

current
|
2020

2020
|
2019

2018
|
2015

● **Senior Statistician**

Adelphi Research

 Doylestown, PA

- Design, build, and improve modeling methods and tools for branded solutions, including re-imagining excel tools to R shiny apps.
- Advise teams through the research lifecycle in design, analysis, and reporting of actionable insights.
- Develop an internal R package to streamline routine operations and analyses.
- Co-lead an internal R Learning Community across the US and UK to establish an extended analytics team with competencies in data wrangling, visualization, and regression analysis.

● **Statistician**

Adelphi Research

 Doylestown, PA

● **Assistant Professor, Statistics Department**

California Polytechnic State University

 San Luis Obispo, CA

- Developed courses for diverse audiences, instructing topics in statistical programming in SAS and R, and advanced statistical modeling.
- Synthesized complex data analytics concepts and engaged students daily through clear graphical, written, oral, and video presentations.
- Supervised 8 undergraduate research projects in various topics including machine learning, spatial statistics, and text analytics; one resulted in an R package published to CRAN.
- Secured \$489K in funding through successful grant proposals to publish original research papers.

CONTACT

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-  [PipingHotData](#)
-  github.com/shannongpileggi
-  linkedin.com/in/shannon-m-pileggi

TECHNICAL

R/RStudio

R Markdown

R Shiny

R tidyverse

GitHub / git

SAS

2015
|
2012

- **Lecturer and Director of Undergraduate Studies, Institute for Quantitative Theory and Methods**
Emory University 📍 Atlanta, GA
 - Developed and instructed a pilot college-wide introductory statistics course; expanded enrollment from 400 to 1,000+ students annually.
 - Mentored and managed 16 teaching assistants per semester in R programming, teaching techniques, and statistical content.
 - Invited speaker to various departments for expertise in teaching technologies, including classroom capture, personal response systems, and learning management systems.
 - Collaborated with faculty in the biological and social sciences to analyze data, synthesize results, and write manuscripts.

2010
|
2007

- **Statistician**
Centers for Disease Control and Prevention 📍 Atlanta, GA
 - Co-authored nine interdisciplinary journal articles in the areas of national malaria reporting systems, lymphatic filariasis, entomologic monitoring, and other vector-borne diseases.
 - Translated complex data for scientific audiences, creating compelling supporting data visualizations, tables of results, and written explanations.
 - Fostered robust collaboration in dispersed and traditional work environments, providing statistical support and programming assistance online and on-site to field staff in Kenya and Guatemala.
 - Developed novel methods for study design in the absence of an existing protocol, including corrections for uncertainty in group membership, leading to published results and shareable SAS macros.



SELECT BLOG POSTS

- 2021 ● **From gmailr to the Google Books API¹**
- 2020 ● **Your first R package in 1 hour²**
- 2020 ● **A job interview presentation inspired by the R community³**



LINKS

- 1: <https://www.pipinghotdata.com/posts/2021-01-11-from-gmailr-to-the-google-books-api/>
- 2: <https://www.pipinghotdata.com/posts/2020-10-25-your-first-r-package-in-1-hour/>
- 3: <https://www.pipinghotdata.com/posts/2020-08-30-a-job-interview-presentation-inspired-by-the-r-community/>