

# SHANNON M. PILEGGI, PHD

## EDUCATION

- 2012  
|  
2005 • **PhD and MS, Biostatistics**  
Emory University 📍 Atlanta, GA
- 2005  
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2001 • **BA, Mathematics and Hispanic Studies**  
East Carolina University 📍 Greenville, NC

## PROFESSIONAL EXPERIENCE

- current  
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2020 • **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.
- 2020  
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2019 • **Statistician**  
Adelphi Research 📍 Doylestown, PA
- 2018  
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2015 • **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

📍 Doylestown, PA  
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🌐 [pipinghotdata.com](http://pipinghotdata.com)  
🐦 [PipingHotData](https://twitter.com/PipingHotData)  
🏠 [github.com/shannonpileggi](https://github.com/shannonpileggi)  
in [linkedin.com/in/shannon-m-pileggi](https://linkedin.com/in/shannon-m-pileggi)

## TECHNICAL

R/RStudio

R Markdown

R Shiny

R tidyverse

GitHub / git

SAS

*Last updated on 2021-08-23.*

2015  
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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  
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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 gmail to the Google Books API<sup>1</sup>**
- 2020 **Your first R package in 1 hour<sup>2</sup>**
- 2020 **A job interview presentation inspired by the R community<sup>3</sup>**



## 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/>