

# ANTHONY PILEGGI

## EDUCATION

2016  
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2008

2008  
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2004

- **M.S., Biostatistics (ABD)**

Emory University

 Atlanta, GA

- **B.S., Statistics**

Carnegie Mellon University

 Pittsburgh, PA

## INDUSTRY EXPERIENCE

Present  
|  
2018

- **Data Scientist - Ecommerce**

Paul B. Moyer & Sons Inc.

 Doylestown, PA

- Devised new **financial strategy** for company owners through developing and monitoring custom profit-protection **pricing algorithms**, achieving a 2-year 54% revenue increase and 99% profit increase.
- Built and maintained a **Dockerized Linux** server on **Google Cloud** that runs **scheduled automation** (e.g., pricing, costs, images) and hosts custom R/Shiny tools and dashboards that leverage data from multiple/disparate sources (e.g., bigquery, cloud storage, APIs)
- Engineered a pipeline to expedite selling products and optimized warehouse labor by maintaining prioritized task-lists on a centralized realtime dashboard, **scaling** to 130% catalog growth in 2 years without additional workforce.
- Maintain product data and listings across multiple online marketplaces (e.g., Amazon, eBay, Walmart); identify and pursue opportunities for additional revenue streams (e.g., Shopify, almost \$400k revenue in <2 years)
- Programmatically streamlined purchase order invoice updates, marketplace shipment tracking, and available inventory adjustment, reducing time (??saving thousands of hours??) and improving accuracy on essential data-entry tasks.
- Drive coworker success by providing essential support in the form of data acquisition, analysis, data-driven strategy, custom tools and processes, and general soundboard for ideas and problems.



NULL

## CONTACT

 [apileggi20@gmail.com](mailto:apileggi20@gmail.com)

 [github.com/anthonypileggi](https://github.com/anthonypileggi)

## LANGUAGE SKILLS

R/Shiny

SQL

Git

Docker

Made with the R package  
[pagedown](#).

The source code is available on  
[github.com/anthonypileggi/cv](https://github.com/anthonypileggi/cv).

Last updated on 2021-03-25.

2018  
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2015

- **Data Scientist**  
iFixit 📍 San Luis Obispo, CA
  - **A/B testing:** design, monitoring, stopping rules, and analysis
  - **Web traffic reporting:** synthesize data, identify trends, and project traffic data
  - **e-Commerce:** forecast sell rates, recommend prices for profit optimization, improve metrics utilized for operational decisions
  - **Dashboards:** maintain and improve Chartio/Shiny dashboards, create customized dashboards to address recurring needs
  - **Data procurement:** identify and obtain data via APIs or webscraping to inform operational decisions
  - **General consultant:** identify and compile data, analyze data, present results for various company units

## 💻 ACADEMIC EXPERIENCE

2015  
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2008

- **Statistical Consultant**  
Biostatistics Consulting Center, Emory University 📍 Atlanta, GA
  - Collaborate with various investigators regarding statistical design and analysis.

2015  
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2008

- **Tutor**  
Rollins School of Public Health, Emory University 📍 Atlanta, GA
  - Provide instruction, motivation, and clarification for students struggling with math, statistics, or programming concepts.

2014  
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2013

- **Dean's Teaching Fellow**  
Laney Graduate School, Emory University 📍 Atlanta, GA
  - Design and teach Statistical Methods II to 77 graduate students.
  - Supervise four teaching assistants in the organization and instruction of a lab component.

2012  
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2010

- **Instructor**  
Department of Biostatistics and Bioinformatics, Emory University 📍 Atlanta, GA
  - Statistics Methods I/II Lab

2012  
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2009

- **Teaching Assistant**  
Department of Biostatistics and Bioinformatics, Emory University 📍 Atlanta, GA
  - Statistical Methods I/II, Probability Theory I, Statistical Inference I, Fundamentals of Bioinformatics

I have spearheaded ecommerce data science initiatives that have generated millions of dollars in additional revenue and saved thousands of hours in labor.

2012  
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2009

● **Collaborator**

Center for Biomedical Imaging Statistics (CBIS), Emory University  
📍 Atlanta, GA

- Provide assistance and feedback for group projects, papers, and grant proposals.
- Preprocess and analyze neuroimaging data acquired from human subjects.

2008  
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2007

● **Research Assistant**

Department of Statistics, Carnegie Mellon University 📍 Pittsburgh, PA

- Mentored by Dr. Rob Kass in the analysis of extracellular neuronal recordings derived from implanted microelectrode arrays in living macaque monkeys.

2007  
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2006

● **Teaching Assistant**

Department of Statistics, Carnegie Mellon University 📍 Pittsburgh, PA

## PUBLICATIONS

2016

● **What Will Months Of Catching Pokémon Do To Your Battery?**

iFixit Blog 📌 <https://www.ifixit.com/News/8256/pokemon-battery-lifespan>

2015

● **A multimodal approach for determining brain networks by jointly modeling functional and structural connectivity**

📍 Frontiers in Computational Neuroscience 9:22.  
[doi:10.3389/fncom.2015.0002]

- Xue, W., Bowman, F.D., Pileggi, A.V. and Mayer, A.R.

I've written R packages that let you play casino games<sup>1</sup> and create word puzzles<sup>2</sup>.

● **Silent Corticotroph Adenomas: Emory University Cohort and Comparison With ACTH-Negative Nonfunctioning Pituitary Adenomas**



- Neurosurgery, 71(2): 296-304. [doi: 10.1227/NEU.0b013e318257c1f0]

2012

- Ioachimescu, A. G., Eiland, L., Chhabra, V. S., Mastrogianakis, G. M., Schniederjan, M. J., Brat, D., Pileggi, A. V., Oyesiku, N. M.

2010

● **Receptor for advanced glycation end products in donor lungs is associated with primary graft dysfunction after lung transplantation.**

📍 American Journal of Transplantation : Official Journal of the American Society of Transplantation and the American Society of Transplant Surgeons, 10(4), 900–907. [doi:10.1111/j.1600-6143.2009.02995.x]

- Pelaez, A., Force, S. D., Gal, A. A., Neujahr, D. C., Ramirez, A. M., Naik, P. M., Quintero, D., Pileggi, A. V., Easley, K. A., Echeverry, R., Lawrence, E. C., Guidot, D. M. and Mitchell, P. O.

## PRESENTATIONS

- 2012
- Pileggi, A. Imposing Structured Sparsity via Generalized Lasso Penalties in Neuroimaging Applications. *Southern Regional Council on Statistics (SRCOS)*, June 3–6, 2012. Jekyll Island, GA.
- 2010
- Mir, O., Qureshi, S., Pileggi, A., Easley, K., Ayala, L. and Nahab, F. (2010) Frequency of Abnormal Glucose Metabolism Among Ischemic Stroke and TIA Patients in the South Based on Oral Glucose Tolerance Testing. *International Stroke Conference*, Feb. 24–26, 2010. San Antonio, TX.

## LINKS

- 1: <https://github.com/anthonypileggi/casino>  
2: <https://github.com/anthonypileggi/worrrd>