

Anthony V. Pileggi

DATA SCIENTIST

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Education

Emory University

Atlanta, GA

M.S. IN BIOSTATISTICS

2016

- Thesis: *Imposing Sparsity and Fusion in Regression and its Applications*
- Advisor: Dr. Lance Waller

Carnegie Mellon University

Pittsburgh, PA

B.S. IN STATISTICS

2008

- Psychology concentration

Skills

Software/Programming

EXPERT: R, Shiny, SQL, Chartio, Google Analytics

INTERMEDIATE: Git, Matlab, SAS, \LaTeX , FSL, AFNI, WinBUGS, SPSS

BEGINNER: HTML, CSS, JavaScript, PHP

Machine Learning

classification, regression, clustering, networks, text mining

Statistical Methods

hypothesis testing, regression models, forecasting, dimensionality reduction, experimental design

Data Wrangling

tidyverse, databases, webscraping, APIs

Reproducibility

dashboards, automation, version control

Experience

iFixit

San Luis Obispo, CA

DATA SCIENTIST

2015 - 2018

- 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

Biostatistics Consulting Center, Emory University

Atlanta, GA

STATISTICAL CONSULTANT

2008 - 2015

- Collaborate with various investigators regarding statistical design and analysis.

Laney Graduate School, Emory University

Atlanta, GA

DEAN'S TEACHING FELLOW

2013 - 2014

- Design and teach Statistical Methods II to 77 graduate students.
- Supervise four teaching assistants in the organization and instruction of a lab component.

Department of Biostatistics and Bioinformatics, Emory University

Atlanta, GA

INSTRUCTOR (3 SEMESTERS)

2010 - 2012

- Courses: Statistical Methods I/II Lab

Department of Biostatistics and Bioinformatics, Emory University

Atlanta, GA

TEACHING ASSISTANT (6 SEMESTERS)

2009 - 2012

- Courses: Statistical Methods I/II, Probability Theory I, Statistical Inference I, Fundamentals of Bioinformatics

Center for Biomedical Imaging Statistics (CBIS), Emory University

Atlanta, GA

COLLABORATOR

2009 - 2012

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

Rollins School of Public Health, Emory University

Atlanta, GA

TUTOR

2007 - 2015

- Provide instruction, motivation, and clarification for students struggling with math, statistics, or programming concepts

Department of Statistics, Carnegie Mellon University

Pittsburgh, PA

RESEARCH ASSISTANT

2007 - 2008

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

Department of Statistics, Carnegie Mellon University

Pittsburgh, PA

TEACHING ASSISTANT

2006 - 2007

Honors

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|------|---|----------------|
| 2013 | Dean's Teaching Fellowship , Laney Graduate School, Emory University | Atlanta, GA |
| 2008 | Biostatistics in Genetics, Immunology, and Neuroimaging (BGIN) Training Program , Emory University | Atlanta, GA |
| 2008 | Passed Professional Examination P/1 - Probability , Society of Actuaries | Pittsburgh, PA |
| 2007 | Computational Neuroscience Training Program (NIH-funded) , Carnegie Mellon University and University of Pittsburgh | Pittsburgh, PA |

Publications

1. **Pileggi, A.** (2016) What Will Months Of Catching Pokémon Do To Your Battery?
<https://ifixit.org/blog/8256/pokemon-battery-lifespan/>
2. Xue, W., Bowman, F.D., **Pileggi, A.V.** and Mayer, A.R. (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]
3. Ioachimescu, A. G., Eiland, L., Chhabra, V. S., Mastrogianakis, G. M., Schniederjan, M. J., Brat, D., **Pileggi, A. V.**, Oyesiku, N. M. (2012), Silent Corticotroph Adenomas: Emory University Cohort and Comparison With ACTH-Negative Nonfunctioning Pituitary Adenomas. *Neurosurgery*, 71(2): 296-304. [doi: 10.1227/NEU.0b013e318257c1f0]
4. 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. (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]

Presentations

1. **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.
2. 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.

Hobbies

Cooking, DataCamp, Gardening, Golf, Homebrewing, Lacrosse, Professional Sports (Philadelphia), Reading, Running, Skateboarding, Snowboarding, Soccer, Video Games