KRISTINA L. BOYD, MS, GSTAT

Statistician and epidemiologist

🎓 EDUCATION

Present | 2020

Ph.D., Epidemiology
University of Pittsburgh Graduate School of Public Health

📍 Pittsburgh, PA

· Advisor: Dr. Anthony Fabio

2019 | 2017

M.S., Biostatistics
University of Pittsburgh Graduate School of Public Health

📍 Pittsburgh, PA

· Thesis: A latent class analysis of polysubstance overdose deaths in Allegheny County, PA.
· Dean's Public Health Scholar

2013 | 2009

B.S., Biology
Massachusetts Institute of Technology

📍 Cambridge, MA

· Minor in Chinese language

💻 RESEARCH EXPERIENCE

2018 | 2015

Research Assistant
Biostatistics Center

📍 Massachusetts General Hospital

· Data abstractor for the Rare Cancer Genetics Registry.

2011 | 2010

Undergraduate Researcher
Graybiel Laboratory

📍 Massachusetts Institute of Technology

· Wrote data cleaning scripts for rodent behavioral assays.

2010 | 2009

Undergraduate Researcher
Sasisekharan Laboratory

📍 Massachusetts Institute of Technology

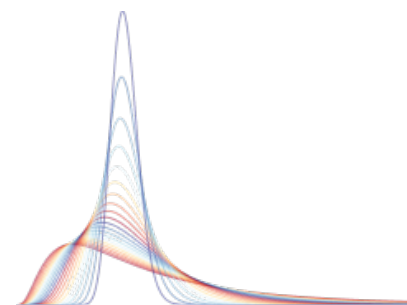· Wrote MATLAB scripts to predict protein mutagenesis in amylodogenic diseases.

💼 INDUSTRY EXPERIENCE

Present | 2020

Associate Statistician
University of Pittsburgh School of Pharmacy Program Evaluation Research Unit

📍 Pittsburgh, PA

CONTACT

✉ klb223@pitt.edu

in kristinalozoya

SKILLS

Highly experienced in

R
SAS
Stata

Experience with

Python
SQL
MATLAB
LaTeX

- I am the sole staff statistician responsible for developing statistical analysis plans and automated reporting solutions in R to support the needs of a dynamic portfolio of community health initiatives. In addition to the preparation of ad hoc analyses, I also assist with grant writing and the publication of manuscripts. I am also the statistician of record for PERU's submissions to the University of Pittsburgh Institutional Review Board.

2020 | 2018

Statistician
Allegheny County Health Department

📍 Pittsburgh, PA

- Surveillance biostatistician with the Bureau of Assessment, Statistics and Epidemiology.

2018

Graduate Data Analytics Intern
Highmark Health, Inc.

📍 Pittsburgh, PA

- Used propensity score matching methods to evaluate the efficacy of member outreach efforts.

2015 | 2014

Clinical Research Associate
Respiratory Motion, Inc.

📍 Waltham, MA

- Managed clinical trials of a novel respiratory volume measuring device.

2014 | 2011

Emergency Medical Technician
MIT Emergency Medical Services

📍 Cambridge, MA

- EMT-B with the student run ambulance service.
- Institutional recipient of the Sean Collier Award for service to the MIT community.

🖥️ TEACHING EXPERIENCE

2019

Biostatistics for Immunology and Microbiology
University of Pittsburgh Department of Immunology and Microbiology

📍 Pittsburgh, PA

- Co-instructor
- Covered introductory statistical methods for laboratory scientists.
- Graduate level class

2018

Biostatistical Methods
University of Pittsburgh Graduate School of Public Health Department of Biostatistics

📍 Pittsburgh, PA

- TA and lectured
- Covered introductory statistical topics through non-linear regression in R.
- Graduate level class

2018

Principles of Statistical Reasoning
University of Pittsburgh Graduate School of Public Health

Department of Biostatistics   📍 Pittsburgh, PA

- TA and lectured
- Covered introductory statistics topics through linear regression in Stata.
- Graduate level class

🖾 SELECTED PRESS (ABOUT)

2017   Meet Kristina Boyd BIOS '19 Dean's Scholar   [1]
University of Pittsburgh Graduate School of Public Health Student Stories

- Profile for Dean's Public Health Scholars award.

🖹 PUBLICATIONS, POSTERS, AND TALKS

2019   Results of the 2018 Youth Risk Behavior Surveillance Survey   [2]
Allegheny County Health Department

- Authored with Karen Hacker, LuAnn Brink, and Lynda Jones.

2018   Are rare cancer survivors at elevated risk of subsequent new cancers? [3]
BMC Cancer

- Authored with Dianne Finkelstein, Nora Horick, Ritesh Ramchandani, Huma Rana, and Brittany Bychovsky.

2018   Physical symptoms in long-term survivors of rare cancer.   [4]
Journal of Cancer Survivorship

- Authored with Dianne Finkelstein, Nora Horick, Ariela Muzikansky, and Hilda Guttierez.

★ SCHOLARSHIPS AND AWARDS

2020   2020 Lingzi Lu Memorial Award   [5]
American Statistical Association   📍 Sacramento, CA

- Travel award to attend the 2020 Conference on Statistical Practice.

2019
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2017   Dean's Public Health Scholar
University of Pittsburgh Graduate School of Public Health
📍 Pittsburgh, PA

- Half-tuition scholarship for promising incoming masters students.

2019   Joint Statistical Meetings Diversity Workshop and Mentoring Program Travel Award
American Statistical Association Committee on Minorities in Statistics
📍 Denver, CO

· Travel award to attend the 2019 Joint Statistical Meetings Diversity Workshop and Mentoring Program.

2014   Collier Medal

Massachusetts Institute of Technology   📍 Cambridge, MA

· Award for service to the MIT community as a member of MIT EMS.

🔗 LINKS

1: https://www.publichealth.pitt.edu/news/details/articleid/6321/meet-kristina-boyd-bios-19-deans-scholar
2: http://bit.ly/2PZQAFY
3: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6385466/
4: https://www.ncbi.nlm.nih.gov/pubmed/30315392
5: https://publichealth.pitt.edu/news/details/articleid/7763/boyd-wins-lingzi-lu-memorial-award