Michael D. **Anderson**

DATA SCIENTIST

Relocating to Louisville, Kentucky

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Education

University of Kentucky   *Lexington, KY*

GRADUATE CERTIFICATE IN BIOSTATISTICS, POST-GRADUATE STUDIES IN PUBLIC HEALTH   *August 2018 - May 2020*

- Recipient of full-time graduate assistantship, including full tuition scholarship
- Primary course of study focused on application of statistical methods to public health research, including coursework in data mining, longitudinal data analysis, generalized linear models, nonparametric statistics, causal inference, epidemiology, and statistical genetics
- Performed independent research into the development of novel nonparametric regression techniques, with the aim of publishing my own statistical software package in R

University of Kentucky   *Lexington, KY*

MASTER OF SCIENCE IN STATISTICS   *August 2016 - May 2018*

- Recipient of full-time graduate assistantship, including full tuition scholarship
- Primary course of study focused on advanced statistical theory and application, including coursework in machine learning, computational statistics, advanced data analysis, clinical trials, survival analysis, and experimental design

University of Kentucky   *Lexington, KY*

BACHELOR OF SCIENCE IN MATHEMATICAL ECONOMICS   *August 2012 - May 2016*

- Summa Cum Laude, Departmental Honors
- Recipient of Academic Excellence Scholarship and Alumni Collegiate Plate Scholarship
- Officer of UK Economics Society, founding member of UK Quiz Bowl team
- Primary course of study focused on quantitative methods in economics, including coursework in game theory, econometrics, and computer programming, with graduate-level coursework in probability, statistical inference, quantitative economics, and symbolic logic

Experience

University of Kentucky   *Lexington, KY*

GRADUATE ASSISTANT - DEPARTMENT OF BIOSTATISTICS   *May 2018 - May 2020*

- Assisted primary instructors for undergraduate introductory biostatistics courses, as well as graduate courses in survival analysis, generalized linear models, and public health biostatistics
- Performed research duties for healthcare researchers in the University's Center for Clinical and Translational Sciences (CCTS), and professors in the Department of Health Management and Policy
- Prepared material for workshop on survival analysis in SAS, through the Biostatistics, Epidemiology, and Research Design (BERD) core of the CCTS

University of Kentucky   *Lexington, KY*

GRADUATE ASSISTANT - DEPARTMENT OF STATISTICS   *August 2016 - May 2018*

- Assisted primary instructors for STA 296 (introductory course in statistical methods), as well as an online graduate course in bayesian data analysis
- Managed my own section of STA 296 as the primary instructor, which included preparing lecture material, assignments, and exams for a class of over 30 students
- Improved student performance through in-person and digital office hours for my own students, and tutoring sessions for all STA 296 students (over 750 in total each semester)
- Led multiple statistical programming workshops in R and SAS through the University's Quantitative Initiative for Policy and Social Research (QIPSR), including workshops on introductory programming, data analysis, and data visualization

Skills

SOFTWARE

- **Most Experienced:** RStudio, SAS, Git/GitHub, Excel, Atom IDE
- **Some Experience:** Tableau, Jupyter Notebook, Amazon Web Services

LANGUAGES

- **Most Experienced:** R, Python, SAS
- **Some Experience:** SQL, Stata, SPSS
- **Interested In:** C, C#, C++, HTML/CSS, Java, JavaScript, Julia, Ruby