

Matthew W. Brems

CONTACT INFORMATION 2109 Bolton Street (513) 919-7552
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PROFESSIONAL EXPERIENCE **Lead Data Science Instructor** *October 2016 - present*
General Assembly, Washington, D.C.

- Teach 12-week full-time data science program across ten U.S. campuses to 125 students; topics include Python, statistics, machine learning, linear algebra, SQL, data visualization, and communicating data science
- Hired and managed five data scientists in residence; coach team of ten local instructors and five instructional associates on organizational challenges and data science methods
- Coordinated client-student projects with Deloitte, The Lab @ D.C. (data science branch of the DC Mayor's Office), TrackMaven, and New Light Technologies
- Serve as a subject-matter expert for General Assembly by participating in business-to-business (B2B) projects, sales pitches, internal data science projects, and other strategic initiatives
- Chair the General Assembly Data Science Product Advisory Board; responsible for updating and maintaining curriculum for all full-time and part-time data science courses across the globe
- Named to General Assembly's inaugural "Distinguished Faculty" program; consists of top 1% of over 20,000 company-wide instructors
- Promoted from Instructor to Lead Instructor after seven months

Junior Data Scientist *May 2015 - November 2016*
Optimus Consulting, Washington, D.C.

- Managed survey-to-model pipeline: designed questionnaires, implemented over 55,000,000 telephone surveys, cleaned results, built and evaluated models, and communicated findings to campaigns
- Ran data operations for a successful gubernatorial campaign
- Executed field experiments for Presidential and Congressional candidates
- Researched, implemented, and documented newly applied methods of analysis including missing data imputation, Bayesian modeling and survey sampling
- Managed hiring of fellows and interns; created onboarding protocol for new hires
- Promoted from Data Science Fellow to Junior Data Scientist after six months

Lecturer & Graduate Teaching Associate *August 2013 - May 2015*
Department of Statistics, The Ohio State University, Columbus, OH

- Instructed over 300 students in biweekly lecture setting and 45 students in biweekly recitation setting (Spring 2015)
- Managed two teams of 10 graduate teaching associates (Spring 2014)
- Taught 4-6 weekly recitation sections of 25-70 students (Autumn 2013 & 2014)
- Earned average score of 4.9/5.0 on student evaluations of instructors (4.2 is campus average)

Interim Course Coordinator *February 2014 - March 2014*
Department of Statistics, The Ohio State University, Columbus, OH

- Led introductory statistics course of 860 students
- Managed team of three lecturers and 10 graduate teaching associates
- Oversaw six weekly lectures and 26 weekly recitation sections, coordinated exams, ran instructional team meetings and was the main point of contact for students and teaching associates

EDUCATION

The Ohio State University, Columbus, OH 2013 - 2015

Master of Science, Statistics

- Thesis Topic: *The Rare Disease Assumption: The Good, The Bad, and The Ugly*
- Thomas & Jean Powers Award for Outstanding Teaching, Finalist

Franklin College, Franklin, IN 2009 - 2013

Bachelor of Arts, Pure & Applied Mathematics, Quantitative Analysis, Economics

- Graduated *cum laude*
- Minor in Political Science
- Commencement Speaker
- Dwight Heath Memorial Mathematics Scholarship

SERVICE

Statistics Without Borders

- Chair, Project & Client Management Committee December 2018 - present
- Assistant, Project & Client Management Committee June 2018 - December 2018

Local Service

- Mentor, Civic Digital Fellows May 2019 - present
- Mentor, Washington Statistical Society November 2018 - present
- Judge (Statistics Category), D.C. STEM Fair March 2019
- Judge, DCFemTech Awards April 2017, April 2018
- Judge, D.C. DataFest April 2018
- Consultant, D.C. DataFest April 2017

University Service

- Chair, Graduate Recruitment Committee January 2014 - May 2015
- Hearing Panelist, Committee on Academic Misconduct January 2014 - May 2015
- Delegate, Council of Graduate Students September 2013 - May 2015
- Judge, Fall Undergraduate Research Student Poster Forum September 2014
- Judge, ASA Statistical Analysis Award, Ohio State Science Day May 2014

ADDITIONAL
SKILLS AND
CERTIFICATIONS

Languages

- Advanced: Python (4 yrs.), R (7 yrs.), SQL (4 yrs.)
- Novice: SAS, Stata, HTML, CSS

Software

- Advanced: L^AT_EX, Microsoft Suite
- Novice: Tableau

Certifications

- Coursera Executive Data Science Specialization
- Coursera Deep Learning Specialization (*in progress*)

Updated: June 30, 2019