

## Matthew W. Brems

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CONTACT INFORMATION      28 K Street SE, Unit 624      (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
- 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
- Coordinated client-student projects with Deloitte, The Lab @ D.C. (data science branch of the DC Mayor's Office), TrackMaven, and New Light Technologies
- Chair the General Assembly Data Science Product Advisory Board; responsible for updating and maintaining curriculum for all full-time and part-time data courses across the globe
- 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	<b>The Ohio State University</b> , Columbus, OH	<i>2013 - 2015</i>
	M.S., Statistics	
	<b>Franklin College</b> , Franklin, IN	<i>2009 - 2013</i>
	B.A., Pure & Applied Mathematics, Quantitative Analysis, and Economics	
	<ul style="list-style-type: none"> <li>• Graduated <i>cum laude</i></li> <li>• Minor in Political Science</li> </ul>	
SERVICE	<b>Professional</b>	
	<ul style="list-style-type: none"> <li>• Committee Chair, Statistics Without Borders <i>December 2018 - present</i> <ul style="list-style-type: none"> <li>• I am the Chair of the Business Consultants Committee. I oversee a team of ten business consultants and am responsible for staffing and supporting <i>pro bono</i> projects.</li> </ul> </li> <li>• Mentor, Washington Statistical Society <i>November 2018 - present</i></li> <li>• Lead Assistant, Statistics Without Borders <i>June 2018 - December 2018</i> <ul style="list-style-type: none"> <li>• As a member of the leadership team, I provided operational support for the Chair and Vice Chair of the Business Consultants Committee. I also trained and managed a junior assistant.</li> </ul> </li> <li>• Judge, DCFemTech Awards <i>April 2017 &amp; 2018</i></li> <li>• Judge, American Statistical Association's DataFest, D.C. <i>April 2018</i></li> </ul>	
	<b>The Ohio State University</b>	
	<ul style="list-style-type: none"> <li>• Chair, Graduate Recruitment Committee <i>January 2014 - May 2015</i></li> <li>• Hearing Panelist, Committee on Academic Misconduct <i>January 2014 - May 2015</i></li> </ul>	
ADDITIONAL SKILLS AND CERTIFICATIONS	<b>Languages</b>	
	<ul style="list-style-type: none"> <li>• Advanced: Python (4 yrs.), R (7 yrs.), SQL (4 yrs.)</li> <li>• Novice: SAS, Stata, HTML, CSS</li> </ul>	
	<b>Software</b>	
	<ul style="list-style-type: none"> <li>• Advanced: L<sup>A</sup>T<sub>E</sub>X, Microsoft Suite</li> <li>• Novice: Tableau</li> </ul>	
	<b>Certifications</b>	
	<ul style="list-style-type: none"> <li>• Coursera Executive Data Science Specialization</li> <li>• Coursera Deep Learning Specialization (<i>in progress</i>)</li> <li>• Amazon Web Services Machine Learning Path (<i>in progress</i>)</li> </ul>	

*Updated: January 30, 2019*