

Geneviève Kathleen Smith

512.689.0216 | New York, NY
genevievekathleensmith@gmail.com
genevievekathleensmith.github.io

linkedin.com/in/smithgk
github.com/genevievekathleensmith

EDUCATION

Ph.D. in Ecology, Evolution & Behavior, The University of Texas at Austin, Austin, TX, **2013**
M.Sc. in Biology, McGill University, Montréal, QC, **2007**
B.Sc. in Biology & History, McGill University, Montréal, QC, **2001**

SKILLS

Tools: git, AWS, Flask, Bootstrap, D3
Languages: R, Matlab, SAS, Python, Unix shell; some experience: MySQL, Javascript
Communication: Experienced public speaker, statistical consultant & Software Carpentry instructor

EXPERIENCE

Data Science Fellow, Insight New York, NY 2014-present
Built *Neutral_Opinion.info*, an app to help policy makers understand public opinion on net neutrality
Stored and retrieved > 1 million public comments using streamtools, Python, and MySQL
Applied text mining tools & sentiment analysis to determine the major themes underlying comments

Graduate Fellow, Department of Statistics and Data Science, UT Austin, Austin, TX 2012-2013
Consulted faculty & graduate students on selecting and using statistical tools
Built a revised chronology for the writing of Shakespeare's plays, using a bootstrapped Constrained Correspondence Analysis of trends in his punctuation style

Graduate Student, Department of Integrative Biology, UT Austin, Austin, TX 2007-2013
Conducted ecological competition experiments to demonstrate that closely-related species can coexist without niche differences, contrary to current theoretical consensus
Mined publicly available data from a large-scale deforestation study to show how various aspects of tree community structure respond to disturbances at differing time scales
Developed new materials for a complete redesign of UT's biostatistics course, including R-based labs

Graduate Student, Department of Biology, McGill University, Montréal, QC 2004-2007
Monitored mussel populations & larval settlement along >100 km of coastline
Used spatial statistical models to determine the scale of dispersal and population connectivity
Analyzed >15 million years of forest dynamics across North America using public fossil pollen records

Science & Technology Intern, Research Branch, Canadian Library of Parliament, Ottawa, ON 2001-2002
Briefed Members of Parliament on diverse science policy topics
Provided legislative summaries & research support for MPs & committees

WORKSHOPS & COURSES

Software Carpentry Instructor Training, 2014, teaching.software-carpentry.org
Machine Learning, 2014, Coursera/Stanford University
Presenting Data and Information by Edward Tufte, 2014, Austin, TX
Programming for Data Analysis, 2013, Coursera/Johns Hopkins University
Big Data in Biology, 2013, Okinawa Institute for Science & Technology, Okinawa, Japan

AWARDS

Doctoral Research Scholarship, Fonds Québécois de la Recherche sur la Nature et les Technologies (FQRNT)
Graduate Dean's Prestigious Fellowship Supplement, The University of Texas at Austin
Visiting Graduate Fellowship, W. K. Kellogg Biological Station, Michigan State University
Research Fellowship, EEB Graduate Program, The University of Texas at Austin