

Geneviève Kathleen Smith

512.689.0216 | New York, NY

genevievekathleensmith@gmail.com ✉

genevievekathleensmith.github.io 🌐

 [linkedin.com/in/smithgk](https://www.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

Developed new materials for a complete redesign of UT's biostatistics course, including R-based labs

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 community trait composition recovers more slowly than total biomass and phylogenetic structure

Investigated wing shape differences in an invasive damselfly species and demonstrated that females who mimic male behaviors and pigmentation still possess 'female' wing shapes

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

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