Gregory J. Hunt

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Contact Information

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Positions

2019 – Assistant Professor Department of Mathematics, William & Mary

Education

2018	PhD	Statistics	University of Michigan	Advisor: Johann Gagnon-Bartsch
2015	MA	Statistics	University of Michigan	
2013	BA	Math., Comp. Sci.	Drew University	Advisor: Jon Kettenring

Publications

(1) G. J. Hunt, S. Freytag, M. Bahlo, and J. A. Gagnon-Bartsch. dtangle: accurate and robust cell type deconvolution. *Bioinformatics*, nov 2018.
(2) G. J. Hunt, M. A. Dane, L. M. Heiser, J. A. Gagnon-Bartsch. Transformations of Microenvironment Microarray Data Improves Discovery and Integration of Latent Effects. *In Preparation*

Software

(1) `rrscale`: Robust re-scaling to improve recovering of latent effects.
https://gjhunt.github.io/rr/
(2) `dtangle`: Cell type deconvolution for high-throughput gene profiling technologies.
cran.r-project.org/package=dtangle
https://gjhunt.github.io/dtangle
(3) `dtangle.data`: annotated collection of high-throughput genomic data for deconvolution.
https://gjhunt.github.io/dtangle/
(4) Contributor to `glmm` in `statsmodels`: statistical modeling and econometrics in Python.
github.com/statsmodels/statsmodels

Presentations

(1) G. J. Hunt, S. Freytag, M. Bahlo, J. A. Gagnon-Bartsch. dtangle: accurate and fast cell type deconvolution. *William & Mary Department of Mathematics*. December 2017. Williamsburg, VA. *Invited.*

(2) G. J. Hunt, S. Freytag, M. Bahlo, J. A. Gagnon-Bartsch. dtangle: a simple and fast cell type deconvolution estimator. *Joint Statistical Meetings*. August 2017. Baltimore, MD. *Contributed.*

(3) G. J. Hunt, S. Freytag, M. Bahlo, J. A. Gagnon-Bartsch. dtangle: a simple and fast cell type deconvolution estimator. *Michigan Student Symposium for Interdisciplinary Statistical Sciences*. March 2017. Ann Arbor, MI. *Invited.*

Teaching

William & Mary

Spring 19	CSCI 688	Data Mining
Spring 19	MATH 451	Probability

As Teaching Assistant (Univerisity of Michigan)

Summer 17		Big Data Summer Institute
Winter 17	STATS 415	Data Mining and Statistical Learning
Fall 16	STATS 408	Statistical Principles for Problem Solving: A Systems Approach.
Winter 16	STATS 408	Statistical Principles for Problem Solving: A Systems Approach.
Fall 15	STATS 403	Introduction to Quantitative Research Methods
Winter 15	STATS 485	Capstone Seminar
Fall 14	STATS 250	Introduction to Statistics and Data Analysis
Summer 14	STATS 250	Introduction to Statistics and Data Analysis
Winter 14	STATS 250	Introduction to Statistics and Data Analysis
Fall 13	STATS 250	Introduction to Statistics and Data Analysis

Mentoring

Undergraduate Students

Chris Elsner		1/2019 –
Evan Wong	EXTREEMS-QED Summer Research	3/2018 – 7/2018

Professional Memberships

American Statistical Association

Service and Committees

Spring 19	Data Science Steering Committee
Spring 19	Actuarial Advisor
Spring 19	Computers and Technology
Spring 19	Web Presence and Outreach
Spring 19	ASA Advisor for Student Chapter

Awards

Outstanding Graduate Student Instructor. Department of Statistics. 2016.