Curriculum Vitae

Tyler Grimes

Address: 2136 SW 39th Dr.
Gainesville, FL 32607
Tel: (386) 546 – 9792
Email: tyler.grimes@ufl.edu

Education:

2016 – present	Ph.D., Department of Biostatistics University of Florida Gainesville, FL 32607
2014 – 2016	M.S., Mathematics with a concentration in Statistics University of North Florida Jacksonville, FL 32224
2010 – 2014	B.S., Mathematics with a minor in Computer Science University of Central Florida Orlando, FL 32816

Employment:

2016 – present	Graduate research assistant Department of Biostatistics, University of Florida
2014 – 2016	Graduate teaching assistant Department of Mathematics, University of North Florida

Teaching Experience:

Spring 2016	Instructor – MAC 2233 Business Calculus, University of North Florida
Fall 2014 – Spring 2016	Teaching Assistant – various elementary statistics courses, University of North Florida

Research Interests:

Bioinformatics
Genomic association networks
Differential network analysis

Publications:

[*]Grimes, T., Pesonen, M., Datta, S. Differential network analysis based on next-generation sequencing data. In Progress.

[*]Pesonen, M., Grimes, T., Datta, S. Generalized partial least squares with negative binomial regression for inferring genomic networks from next-generation sequencing data. In Progress.

[*]Grimes, T., Walker, A., Datta, S., Datta, S., Integrating RNA-seq and Agilent gene expression data for survival time prediction of neuroblastoma patients. In Progress.

Grimes, T., Ping, S., A saddlepoint approximation to hypothesis tests of variance for non-normal populations. In Progress.

[*]**Tenative**

Conferences:

Joint Statistical Meetings, Baltimore, MD, July 29, 2016

Poster Presentations:

Joint Statistical Meetings, Baltimore, MD, July 29, 2016

Memberships and service:

American Statistical Association

President, Biostatistics Student Organization, University of Florida, 2017 – present

Executive Board Member – Department of Biostatistics Representative, College of Public Health and Health Professions Doctoral Student Council, University of Florida, 2017 - present

Funded by:

National Institutes of Health, "Exploratory statistical analysis of differential network behaviors based on gene expression atlas of palate development", PI: S. Datta, August 2016 – July 2018.