

Curriculum Vitae

Michael Sekula, PhD Student

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EDUCATION

- 2015 – Present **PhD Student**
Department of Bioinformatics and Biostatistics
University of Louisville, Louisville, KY
- 2013 – 2015 **Master of Science in Biostatistics**
University of Louisville, Louisville, KY
- 2006 – 2010 **Bachelor of Arts in Secondary Education**
Saginaw Valley State University, University Center, MI
Summa Cum Laude

PROFESSIONAL EXPERIENCE

- 2014 – 2015 **Master Educator**
2013 – 2014 **Visitor Experience Educator**
Kentucky Science Center, Louisville, KY
- Assisted in the preparation and presentation of interactive science curricula for various audiences of learners
- 2010 – 2013 **Science Teacher**
Pleasure Ridge Park High School, Louisville, KY
- Developed and implemented student-centered, inquiry based lessons and experiments for science courses
 - Courses Taught: AP Physics, Advanced Physics, Honors Physics, Integrated Science, Forensic Science

PROFESSIONAL ACTIVITIES

- 2016 – Present President of the Biostatistics Club at the University of Louisville
- Fall 2015 & 2016 Guest Lecturer on building R packages for the Advanced Statistical Computing course in the Department of Bioinformatics and Biostatistics at the University of Louisville

R SOFTWARE PACKAGES

optCluster (available on CRAN)

RESEARCH INTERESTS

Bioinformatics, Clustering and Classification, Statistical Computing