|  |  |  |
| --- | --- | --- |
|  |  | William Michael Landau  3211 Snedecor Hall  Iowa State University [landau@iastate.edu](mailto:landau@iastate.edu)  Ames, IA 50011 <http://www.will-landau.com/>  201-563-4325 <http://github.com/wlandau/> |
|  |  |  |
| **Education** |  | PhD, Statistics Expected May 2016  * Iowa State University, Ames, IA  MS, Statistics May 2013  * Iowa State University, Ames, IA * Creative component: **W. M. Landau** and P. Liu. Dispersion Estimation and its Effect on Test Performance in RNA-seq Data Analysis: A Simulation-Based Comparison of Methods. *PLOS One*, 8(12). December 2013.  BS, Statistics June 2011  * University of Chicago, Chicago, IL |
|  |  |  |
| Articles |  | * **W. M. Landau** and P. Liu. Dispersion Estimation and its Effect on Test Performance in RNA-seq Data Analysis: A Simulation-Based Comparison of Methods. *PLOS One*, 8(12). December 2013. * B. J. Ratliff, Womack. C. C., X. N. Tang, **W. M. Landau**, L. J. Butler, and D. E. Szpunar. Modeling the Rovibrationally Excited C2H4OH Radicals from the Photodissociation of 2-Bromoethanol at 193nm. *Journal of Physical Chemistry*, 114(14): 493445, April 2010. |
|  |  |  |
| Posters |  | * **W. M. Landau** and P. Liu. Dispersion Estimation and its Effect on Test Performance in RNA-seq Data Analysis. Joint Statistical Meetings, 2013. Montreal, QC, Canada. |
|  |  |  |
| **Employment** |  | Research Assistant June 2013 – present  * Jointly formulated a hierarchical model to data from gene experiments studying hybrid vigor. * Fit the model with a Markov Chain Monte Carlo procedure, accelera­ted with parallel computing and graphics processing units (GPUs). |
|  |  | Lecturer August 2013 – December 2013 GPU Computing Seminar Series August 2012 – December 2012   * Constructed a high-performance computing seminar series publicly accessible at <http://will-landau.com/gpu/> |
|  |  |  |
|  |  | Course Instructor January 2013 – May 2013STAT 305: Engineering Statistics January 2012 – May 2012 |
|  |  |  |
|  |  | Teaching Assistant August 2011 – December 2011STAT 231: Engineering ProbabilitySTAT 105: Introduction to Engineering Statistics |

|  |  |  |
| --- | --- | --- |
| Leadership |  | Preparing Future Faculty Program August 2013 – present  * Completed supplemental training courses in teaching, research writing, and applying for academic positions.  Assistant Coach August 2012 – December 2013Iowa State University Boxing Club  * Led and jointly planned beginner boxing classes of roughly seventy participants. * Individually coached beginner and competitive college boxers. * Cornerman in local fights in Davenport and Cedar Rapids, IA, in 2013. * Created improved membership and financial bookkeeping systems.  Volunteer Guest Lecturer March 13, 2014Investigation Series Office of Precollegiate Programs for Talented and Gifted (OPPTAG)   * Created and led an educational game simulating the Monty Hall problem for middle school students in the community of Ames, IA. |

|  |  |  |
| --- | --- | --- |
| **Computer Languages** |  | Programming  * Significant experience with R, C/C++, CUDA C/C++, Bash, Python. * Some experience with SAS, SQL, AWK, Haskell, JavaScript, Fortran.  Markup  * Significant experience with LaTeX, knitr, HTML, CSS. * Some experience with Markdown, RMarkdown, XML. |
| References |  | Jarad NiemiAssistant Professor  * PhD major professor at Iowa State University. * [niemi@iastate.edu](mailto:niemi@iastate.edu)  Peng LiuAssociate Professor  * MS major professor at Iowa State University. * [pliu@iastate.edu](mailto:pliu@iastate.edu) * 515-294-7806   Additional references available on request. |