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|  |  | 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/> |
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| **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 |
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| 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. |
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| Posters |  | * **W. M. Landau** and J. Niemi. A Fully Bayesian Hierarchical Modeling Strategy for Identifying Gene Expression Heterosis using Parallel Computing with Graphics Processing Units (GPUs). Conference on Applied Statistics in Agriculture, Kansas State University, 2015. (Similar poster presented at the Joint Statistical Meetings in Boston, MA in 2014.) * **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. |
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| **Employment** |  | Research Assistant June 2013 – present  * NIH grant number R01GM109458. * 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). |
|  |  | Research Assistant 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/> |
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|  |  | Course Instructor January 2013 – May 2013STAT 305: Engineering Statistics January 2012 – May 2012 |
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|  |  | Teaching Assistant August 2011 – December 2011STAT 231: Engineering ProbabilitySTAT 105: Introduction to Engineering Statistics |
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| **Leadership** |  | Preparing Future Faculty Fellow August 2013 – June 2014Preparing Future Faculty Program  * Completed supplemental training courses in teaching, research writing, and applying for academic positions. |
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|  |  | 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. |
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|  |  | Volunteer Instructor 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 |
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| **Computer Languages** |  | Programming  * Significant experience with R, C/C++, CUDA C/C++, shell scripting, Python. * Some experience with SAS, SQL, AWK, Haskell, JavaScript, Fortran.  Markup  * Significant experience with LaTeX, knitr, HTML, CSS. * Some experience with Markdown, RMarkdown, XML. |
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| **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 |