

Peter Xenopoulos

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| CONTACT INFORMATION | 170 East 6th Street Box 1828 Claremont, CA 91711 Web: www.peterxeno.com Blog: https://medium.com/@peterx Github: https://github.com/peterxeno LinkedIn: https://www.linkedin.com/in/xenopoulos | 502-445-6688 peter.xenopoulos@pomona.edu |
| RESEARCH INTERESTS | Design, development and evaluation of computer systems for fast, reliable and cost-effective data-intensive computing, imbalanced classification, ensemble methods, feature selection | |
| EDUCATION | Pomona College , Claremont, CA B.A., Mathematics, Economics, May 2018 <ul style="list-style-type: none">• Relevant Coursework: Parallel & High Performance Computing (graduate), Big Data Platforms & Applications, Computational Statistics, Probability, Statistical Inference, Time Series Analysis (graduate), Econometrics• GPA: 3.5 | |
| RESEARCH EXPERIENCE | Research Analyst Research and Development Group, Philadelphia Phillies Supervisor: Andy Galdi | May 2017 to August 2017 |
| | Research Assistant Advanced Data and Workflows Group, National Center for Computational Sciences, Oak Ridge National Laboratory Supervisor: Sreenivas Sukumar, Ph.D | May 2016 to August 2016 |
| PUBLICATIONS | <ol style="list-style-type: none">1. J. Harney, S.H. Lim, S. Sukumar, D. Stansberry, P. Xenopoulos, “On-Demand Data Analytics in HPC Environments at Leadership Computing Facilities: Challenges and Experiences”, <i>IEEE International Conference on Big Data</i>, 2016.2. P. Xenopoulos, J. Daniel, M. Matheson, S. Sukumar, “Big Data Analytics on HPC Architectures: Performance and Cost”, <i>IEEE International Conference on Big Data</i>, 2016.3. P. Xenopoulos. “Introducing DeepBalance: Random Deep Belief Network Ensembles to Address Class Imbalance”. <i>IEEE Conference on Big Data</i>, 2017. | |
| PAPERS IN PREPARATION | <ol style="list-style-type: none">1. P. Xenopoulos, “Time Series Analysis of Resource Failure in HPC Environments”2. P. Xenopoulos, “Performance Variability in the Cloud and Effects on Data Intensive Workloads” | |
| SKILLS | <i>Languages:</i> R, Python, C, SQL, MATLAB <i>Environments & Software:</i> AWS, HPC environments | |
| PROFESSIONAL ASSOCIATIONS | IEEE, USENIX, ASA, SABR | |

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| PROJECTS | <p>Sabermetrics February 2015 to present <i>Sabermetrics</i> is an R package dedicated to providing basic functions for analysis of baseball data. https://github.com/peterxeno/sabermetrics-package</p> |
| | <p>DeepBalance July 2017 to present <i>DeepBalance</i> is an R package which provides an implementation of the DeepBalance algorithm. https://github.com/peterxeno/DeepBalance</p> |
| | <p>Personal Blog April 2017 to present Started a personal blog to translate technical topics regarding data science, computing and venture capital in a short and humorous tone. Gained thousands of views on articles. https://medium.com/@peterx</p> |
| TEACHING EXPERIENCE | <p>Teaching Assistant ECON 167 - Econometrics (Spring 2016, Fall 2016) MATH 058 - Introduction to Statistics (Fall 2017) MATH 058B - Introduction to Biostatistics (Spring 2018)</p> |
| | <p>Grader MATH 152 - Statistical Theory (Fall 2016) MATH 154 - Computational Statistics (Fall 2017)</p> |
| OTHER EXPERIENCE | <p>Analyst Intern, CrunchFund January 2017 to May 2017 San Francisco, CA Selected as part of the Silicon Valley Program to spend a semester working in Silicon Valley for an seed stage venture capital firm.</p> |
| | <p>Analyst Intern, The Company Lab May 2015 to July 2015 Chattanooga, TN Selected as part of the Launch TN program to propel technology entrepreneurship and startup culture in the economically disadvantaged urban South.</p> |