

## Kory D. Johnson

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## Education

- 9/2011 - present    **The Wharton School, University of Pennsylvania**  
Ph.D. Candidate, Statistics (expected graduation date: May 2016)
- 9/2007 - 5/2011    **The Wharton School, University of Pennsylvania**  
B.S. in Economics summa cum laude; Statistics, minor in Mathematics  
**The College of Arts and Sciences, University of Pennsylvania**  
B.A. summa cum laude with Distinction in Economics; Economics and Philosophy

## Publications

- Lawrence D. Brown and Kory D. Johnson. Commentary on Exact Post-selection Inference for Sequential Regression Procedures. *Journal of the American Statistical Association*. Accepted, to appear.
- K. D. Johnson, R. A. Stine, and D. P. Foster. Submodularity in Statistics: Comparing the Success of Model Selection Methods. *ArXiv e-prints*, October 2015a. <http://arxiv.org/abs/1510.06301>.
- K. D. Johnson, R. A. Stine, and D. P. Foster. Revisiting Alpha-Investing: Conditionally Valid Stepwise Regression. *ArXiv e-prints*, October 2015b. <http://arxiv.org/abs/1510.06322>.
- K. D. Johnson, D. Lin, L. H. Ungar, D. P. Foster, and R. A. Stine. A Risk Ratio Comparison of  $\ell_0$  and  $\ell_1$  Penalized Regression. *ArXiv e-prints*, October 2015c. <http://arxiv.org/abs/1510.06319>.

## In Preparation

- Kory D. Johnson, Dean P. Foster, and Robert A. Stine. Ensuring Fairness in Arbitrary Models. In Preparation, 2016.
- Kory D. Johnson and Dean P. Foster. Exponential Smooth as an Approximate Half-Space Checking Rule. In Preparation, 2014.

## Presentations

- Discrete Methods in Statistics: Feature Selection and Fairness Aware Data Mining*, November 2015. Ph.D. Thesis Proposal Defense. Philadelphia, USA.
- Submodularity in Statistics*, August 2015. Joint Statistical Meeting. Seattle, USA.
- Submodularity in Statistics: Comparing the Success of Model Selection Methods*, May 2015. Student Seminar Day. University of Pennsylvania.
- Introduction to Submodularity*, May 2014. Student Seminar Day. University of Pennsylvania.
- In Defense of  $\ell_0$ : Greedy Feature Selection*, April 2014. SIAM International Conference on Data Mining. Poster in Doctoral Forum. Philadelphia, USA.
- Revisiting Alpha Investing: Principled, Greedy Feature Selection*, August 2013. Second Year Paper Presentation. University of Pennsylvania.
- Exponential Smooth as an Approximate Half-Space Checking Rule*, August 2012. First Year Paper Presentation. University of Pennsylvania.

## Honors and Awards

5/2014	SIAM Student Travel Award. SIAM International Conference on Data Mining.
5/2011	Elected to Phi Beta Kappa. University of Pennsylvania.

## Professional Development

10/2014	<b>Teacher Development Program II</b> Four module workshop to improve presentation and teaching skills.
5/2011	<b>Teacher Development Program I</b> Half-day workshop on communication skills.

## Teaching Experience (The Wharton School)

### Instructor

Summer 2015	Statistics 101: Introductory Business Statistics.
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### Recitation Instructor

Spring 2015	Statistics 111: Introductory Statistics.
Spring 2012	Statistics 111: Introductory Statistics.

### Teaching Assistant

Fall 2015	Statistics 102: Introductory Business Statistics.
Fall 2014	Statistics 101: Introductory Business Statistics.
Spring 2014	Statistics 521: Applied Econometrics II.
Fall 2013	Statistics 471: Intermediate Statistics.
Spring 2013	Statistics 101: Introductory Business Statistics.
Fall 2012	Statistics 520: Applied Econometrics I.
Fall 2011	Statistics 102: Introductory Business Statistics.

## Other Experience

7/2009 - 8/2009	<i>Marketing Intern</i> , Citibank Singapore. Singapore, SG.
9/2008 - 5/2009	<i>Consultant</i> , Wharton Small Business Development Center. Philadelphia, PA.

## Technical Skills

- Extensive experience in R and  $\text{\LaTeX}$ .
- Some experience in Python, Matlab, SQL, C#, and VBA.

## Other Interests

Rock climbing and mountaineering. For highlights from recent trips, click [here](#).