Jared Huling

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Department of Statistics

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Education

2012-pres	**Ph.D. Candidate**, Statistics, University of Wisconsin-Madison
2008-2012	**B.S.** Actuarial Science, The Ohio State University
	Summa cum Laude with Honors

Publications

2016	Shifeng Xiong, Bin Dai, **Jared Huling**, and Peter Z. G. Qian. Orthogonalizing em: A design-based least squares algorithm. *Technometrics*, To Appear, 2016
	Xiao Nie, **Jared Huling**, and Peter Z. G. Qian. Accelerating large-scale statistical computation with the golem algorithm. Submitted
	Jared Huling, Menggang Yu, and A. James O'Malley. Instrumental variable estimation under the semiparametric accelerated failure time model. Submitted

Awards

Student Travel Award International Conference on Health Policy Statistics   2015

Research & Professional Experience

N.I.H. Predoctoral Fellow Trainee in Biostatistics   **August 2012 - July 2015**

Performed four rotations from Fall 2012 to Spring 2014.

- Spring 2014: Collaborated with Prof. Sijian Wang in the development of outcome weighted learning techniques for multiple treatments for subgroup identification.

- Fall 2013: Collaborated with Prof. Menggang Yu in the development and implementation of instrumental variable estimation techniques in survival analysis for the comparison of surgical repair procedures for abdominal aortic aneurysm.

- Spring 2013: Collaborated with Prof. Mark Craven on utilizing hidden Markov models for the identification and characterization of surgical skill using video data.

- Fall 2012: Collaborated with Prof. Michael Newton in developing a testing procedure to determine if a surrogate cell selection technique was able to preferentially select expanded clone T-cells.

Presentations

Apr 2016: *Endovascular vs. Open Surgery: Analysis of Survival Outcomes Using Instrumental Variables*, Dartmouth, Department of Biomedical Data Science - Biostatistics Seminar

Oct 2015: *Mortality Comparison of Endovascular versus Open Repair for Abdominal Aortic Aneurysm using Instrumental Variables*, Poster, International Conference on Health Policy Statistics

Sep 2015: *Instrumental Variable Estimation in Censored Regression*, UW-Madison Department of Statistics Student Seminar.

May 2014: *Individualized Treatment Rules with Multinomial Outcome Weighted Learning*, Biostatistics and Medical Informatics Trainee Seminar.

Dec 2013: *Endovascular vs. Open Surgery: Analysis of Survival Outcomes Using Instrumental Variables*, Biostatistics and Medical Informatics Trainee Seminar.

May 2013: *Hidden Markov Models and Fisher Scores for Surgical Skill Modeling*, Biostatistics and Medical Informatics Trainee Seminar.

Dec 2012: *Does Surrogate Selection of T-cells Preferentially Sample Expanded Clones?*, Biostatistics and Medical Informatics Trainee Seminar.

Computing

Software

- *oem* An R package for the efficient computation of a wide variety of penalized linear regression models for tall data. Available at github.com/jaredhuling/oem. Documentation available at casualinference.org/oem/.

Languages: R, C++, Python, Javascript, LaTeX

Last updated: April 30, 2016