Ian Mouzon | Curriculum Vitae

525 Welch Avenue, No. 6 – Ames, Iowa 50014

✆ +1 (903) 993 3898 • ✉ imouzon@iastate.edu

🖥 imouzon.github.io • in imouzon • 🐦 imouzon • imouzon

Education

Iowa State University — **Ames**
PhD, Statistics (Expected 2016) — *2010–current*
Research interests include data mining and machine learning, time series, and data technologies.

University of North Florida — **Jacksonville**
MS, Math — *2008–2010*
"Differential modeling of multivariate longitudinal data" (advisor: Pali Sen)

University of North Florida — **Jacksonville**
BS, Math — *2001–2006*
Minored in biology, histological research on mosquitoes during final year.

Awards

○ Prudsys Data Mining Cup - 1st place team (2014)
○ Prudsys Data Mining Cup - 5th place team (2013)
○ GlaxoSmithKline Scholar award (2010)
○ UNF Statistics Graduate Student of the Year (2010)
○ UNF Math Undergraduate Student of the Year (2006)
○ UNF Summer Biology Student Award (2006)

Experience

Iowa State University — **Ames**
Graduate research assistant — *2011–2014*
Currently an assistant on a grant obtained by Dr. Ulrike Genschel through the National Science Foundation (HRD-1036791) examining possible causes of the STEM gender gap in higher education, wherein female majors in Science, Technology, Engineering, and Mathematics tend to leave STEM at a faster rate than male students of similar academic background. Responsible for planning and performing statistical analyses of our data and summarizing and presenting the results;

Iowa State University — **Ames**
Graduate teaching assistant — *2010,2014*
Taught sections of STAT 101 and STAT 326 labs at ISU

University of North Florida — **Jacksonville**
Graduate teaching assistant — *2008–2010*
While earning my MS I was supported by the department on a teaching assistantship.

Duval County Public Schools — **Jacksonville**
Teacher — *2006–2008*
After graduation, I taught at Robert E. Lee High School in Jacksonville, where I helped establish the school's first film club.

Posters and Presentations

American Mathematical Association of Two Year Colleges (regular session) **Nashville**
The Role of Self-Efficacy in the Retention of STEM Students 2014
U. Genschel, X. Nguyen, **I. Mouzon**

Iowa State University (departmental seminar) **Ames**
How ISU became World Data Mining Champ! 2014
G. Basulto-Elias, F. Cao, X. Cheng, M. Dragomirolu, J. Hicks, C. Lanker, **I. Mouzon**, L. Pan, X. Yiu

Joint Statistical Meeting (contributed paper) **Boston**
Early College Perf., Gender, and Other Factors Influencing Continuation in STEM Fields 2014
I. Mouzon, U. Genschel, A. Carriquiry, X. Nguyen, A. Kaplan, E. Johnston, W. Kliemann, K. Koehler

Joint Statistical Meeting (contributed paper) **Boston**
Stat. and Math. Self-Efficacy of Incoming Students at a Large Public University 2014
U. Genschel; A. Kaplan; A. Carriquiry; E. Johnston; W. Kliemannof; K. Koehlerof; **I. Mouzon**; X. Nguyen

Joint Statistical Meeting (contributed paper) **San Diego**
Identifying Gender-Specific Factors Related to STEM Retention at a Large State Univ. 2012
U. Genschel, J. Riddles, **I. Mouzon**, A. L. Carriquiry, M. Degnan, E. Johnston, K. Koehler, W. Kliemann, H. Nguyen

Joint Statistical Meeting (contributed poster) **San Diego**
Validating a Tool for Assessing Statistical Self-Efficacy in the Undergrad. Student Pop. 2012
I. Mouzon, U. Genschel, A. Carriquiry, M. Degnan, J. Riddles, E. Johnston, W. Kliemann, K. Koehler, H. Nguyen

Computing Tools

Statistics: SAS, R, Weka, FORTRAN, a little C **Reporting**: LaTeX, Markdown, HTML, Office
Data Management: SQL (SQLite, MySQL) **Editing**: Vim, shell, perl, vimscript, git

Data mining

○ Data Mining cup 2013: I am very interested in machine learning and data mining. In 2013 I participated in the Data Mining Cup, an international data mining competition sponsored by Prudsys. The problem was based on classifying online shoppers as buyers or not based on a set of variables. We came in 5th place, were the highest ranked team in the US and were invited by Prudsys to Berlin to present our solution.

○ Data Mining cup 2014: In 2013 I again participated in the Data Mining Cup. This year's problem involved classifying online purchases based on whether or not they were eventually returned. We won the competition this year. We were once again invited to Berlin by Prudsys and (more excitingly) presented our methods to the entire statistics department during one of the semesters seminars.

○ Kaggle: I have participated in three Kaggle competitions since summer 2013, to varying degrees of success.

Professional References

○ Dr. Ulrike Genschel // Iowa State // 1-515-294-7766
○ Dr. Stephen Vardeman // Iowa State // 1-515-294-2535
○ Dr. Daniel J. Nordman // Iowa State // 1-515-294-7777

Ian Mouzon | Curriculum Vitae

525 Welch Avenue, No. 6 – Ames, Iowa 50014

+1 (903) 993 3898 • imouzon@iastate.edu

imouzon.github.io • imouzon • imouzon • imouzon

Axio Research   November 20, 2014

Axio Research
2601 4th Avenue, Suite 200
Seattle, WA 98121

Dear Sir or Madam,

Thank you very much for looking over my CV and application. My interest in your company has been sparked by two recent emails that have been sent to the graduate students in the department of statistics at Iowa State, the first by Dr. Dan Nettleton and the second by Dr. Di Cook. The first email mentioned that you were looking for people proficient in SAS and the second that you were looking for people with strong communication skills. I understand that SAS users are difficult to find, seeing as how few SAS users I can find in my own department. I use SAS on a daily basis as part of my research and have been using SAS since 2008 when I took my first linear modeling class as part of my MS requirements. I am comfortable with the macro language (routinely writing my own macros), using system functions, SAS's Output Delivery System (which I used as the basis of "SASnatch" an R package I wrote to make switching between SAS and R simple while preserving output from both) and I am familiar with many common procedures, including `proc sql`. What I mean by all that is simply that I am comfortable using SAS. Further, I actually enjoy using SAS for analyses.

I am currently still a student though, and will be for at least a little while longer. Even though I understand that you are optimally looking for a full-time employee at your Seattle location, something I could not be, I contacted David Henderson (himself a Iowa State grad) and he encouraged me to submit an application.

Regardless, I hope you have a lot of success finding candidates and I thank you very much again for taking the time to look over my CV.

Best,

Ian Mouzon

Attached: curriculum vitæ