

John A. Ramey II

Ph.D. Candidate, Department of Statistics, Baylor University
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Personal Statement

Currently I am seeking a research internship involving applied statistics, primarily statistical pattern recognition, machine learning and high-dimensional statistics in an academic, governmental or industrial setting.

Education

Baylor University

Ph.D. Statistics

– Advisor: Dean M. Young, Ph.D.

Waco, TX

May 2012 (Anticipated)

Baylor University

M.Sc. Statistics

Waco, TX

Dec. 2009

Baylor University

B.Sc. Mathematics (Minor: Computer Science)

Waco, TX

Aug. 2008

Awards, Grants & Honors

Baylor University Dean's Scholarship (\$3500)	2010-2011
JSM Stat Bowl - First Place	2010
Baylor University Dean's Scholarship (\$3500)	2009-2010
Outstanding First Year Graduate Student - Department of Statistical Science	2009
Baylor University Dean's Scholarship (\$3500)	2008-2009
Baylor University Presidential Scholarship (\$14,000)	2001-2005

Publications

Greer, B., Young, D., Harvill, J., and Ramey, J., *Pseudo-likelihood Intervals for the Ratio of Two Poisson Rates with Data Subject to Under-Reporting* (submitted for publication to Computational Statistics and Data Analysis)

Conference Papers

Ramey, J. A. and Young D. M. (2010). *A More Computationally Efficient Model Selection Method for Regularized Discriminant Analysis*, Joint Statistical Meetings Proceedings, Vancouver, BC, Canada.

Working Papers

Ramey, J. A., Young, P. D., and Young D. M., *A Comparison of Shrinkage-based Estimators for Regularized Linear Discriminant Analysis in High-Dimensional Classification*.

Ramey, J. A., Young, P. D., and Young D. M., *Regularized Diagonal Discriminant Analysis with Simultaneous Diagonalization of Covariance Matrices*.

Ramey, J. A., Young, P. D., and Young D. M., *A More Computationally Efficient Model Selection Method for Regularized Discriminant Analysis*.

Young, P. D., Ramey, J. A., and Young D. M., *A Matrix Skew Normal Distribution*.

Ramey, J. A., Young, P. D., and Young D. M., *Bayesian Regularized Logistic Regression in High-Dimensional Classification*.

Presentations

Ramey, J. A. and Young, D. M. (August 2010) *Efficient Model Selection for Regularized Discriminant Analysis*. Joint Statistical Meetings, Vancouver, British Columbia, Canada.

Ramey, J. A. (April 2010) *Bayesian Regularized Logistic Regression in High-Dimensional Classification*. Instituto Panamericano de Estudios Avanzados en Probabilidad y Estadística: Semana en Métodos de Reducción de Dimensión. Centro de Investigación en Matemáticas, A.C. Guanajuato, Mexico.

Other Research Experience

Statistical and Machine Learning Research Group

Department of Statistical Science, Baylor University

Waco, TX

2009-present

Research Experience for Undergraduates at The Ohio State University

Vertical Integration of Research and Education in Computational Mathematics

Columbus, OH

Summer 2004

– Focused on Number Theory, especially Random Matrix Theory.

Professional Membership

Founder – R Users Group

Department of Statistical Science, Baylor University

Waco, TX

2010-present

Member – American Statistical Association

2008-present

Teaching Experience

Elementary Statistics

Teacher of Record

Baylor University
Aug. 2009 - Present

- Taught this freshman level course in the Statistics Department.
- Developed homework, quizzes and exams for the class.
- Attended weekly meetings to enhance and improve teaching skills and techniques.

Statistics Department Tutoring Lab

Graduate Teaching Assistant

Baylor University
Aug. 2008 - Present

- Provided one-on-one and group tutoring to students in undergraduate statistics courses.

Statistics for Psychology Majors

Graduate Teaching Assistant

Baylor University
Aug. 2008 - Jul. 2009

- Supplemental Instruction.
- Led weekly course seminars.

Work Experience

Candidate Resources, Inc.

Senior Web Programmer

Grand Prairie, TX
Jan. 2007 - Nov. 2007

- Initiated development of a new flagship product using the .NET platform.
- Maintained a legacy code base written in Classic ASP.
- Administrated MS SQL Server and MS Access databases for clients.
- Provided technical support to staff and clients.

Baylor University, Electronic Libraries

Student Programmer

Waco, TX
Aug. 2006 - Dec. 2006, Aug. 2007 - May 2008

- Developed PHP websites and scripts with Oracle databases for Baylor faculty and staff.

Instructional Technology Assistant

Feb. 2002 - Aug. 2006

- Instructed Baylor faculty and staff one-on-one and in seminars on Microsoft Office and educational software.

Skills

Programming and Markup Languages

- **Skilled:** R
- **Proficient:** ASP.NET, Classic ASP, C#, \LaTeX , PHP, PL/SQL, SQL, T-SQL
- **Currently Learning:** Python

Specialized Software

- JMP, Mathematica, MATLAB, Microsoft Office, Microsoft SQL Server, Microsoft Visual Studio, Oracle, SAS

References

Dr. Dean Young (Adviser)

Department of Statistical Science, Baylor University

Contact information available upon request.

Dr. John Seaman

Department of Statistical Science, Baylor University

Contact information available upon request.

Dr. James Stamey

Department of Statistical Science, Baylor University

Contact information available upon request.