# John Daniel Draper, Ph.D.

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## Personal Profile:

**An accomplished statistician and curriculum coordinator** with a proven record of leadership, innovation and collaborative, team-focused success—developing impactful, yet practical statistical strategies for business, engineering, science, and education

- *Accomplished Academic with Practical Application*
- *Dynamic Application of Statistical Methods*
    - *Efficient management of curricula and personnel*
    - *Motivational instructor with numerous recognitions*
    - *Proficient in Creative/Thoughtful Presentation Skills*
- *Quality Oration and lecture ability*
- *Multifaceted: Music, Marching and Athletic bands, Campus life, Sports*
- *Team Leadership and Management through understanding of individual differences*

## Select Accomplishments:

Doctor of Philosophy: Statistics, The Ohio State University 2012
University Fellowship, The Ohio State University – Statistics
Graduate Assistantship, The Ohio State University – Education and Research
Thomas E. and Jean D. Powers Award for Outstanding Teaching Associate
Proctor and Gamble Fellowship
Head Squad Leader – The Ohio State University Marching Band
Richard Heine Music Arrangement Scholarship from OSU Marching Band 2008 and 2010
Initial Recipient of the Derrick A. Mills Eta Chapter Leadership Award

National Merit Scholarship, The Florida State University – Mathematics
Phi Beta Kappa – Academic Honor Society
Medal of Honor Recipient from the FSU Marching Chiefs

Eagle Scout – The Boy Scouts of America

Valedictorian – Carroll High School (private academic institution, Dayton OH)

## Professional Experience:

2003-Present     The Ohio State University

**Senior Lecturer Fisher College of Business (2014-Present)**
- Taught second level business statistics level in both large lectures and small recitations
- Currently working to redesign the course to be more accommodating to the current resources available and high level of demand through leveraging distance technology to enhance in-class and out-of-class experience
- Developed and taught an MBA sports analytics course and transitioned to an undergraduate offering
- Assisted with the MBOE Six Sigma program via lecture and test design
- Attended other courses in the core of the undergraduate business school to develop a more thorough understanding of the business curricula to guide development of the statistics/analytic courses in the college
- Cultivated a continuing relationship with the College of Dentistry by teaching a year-long statistics program to dental graduate students

**Visiting Assistant Professor (2012-2014)**
- Developed and led new courses in accordance with the conversion to semesters
- Taught both graduate and undergraduate courses in both statistical theory and application
- Enhanced the College of Dentistry Statistics in Research course
    - Journal of Prosthetic Dentistry—Statistical Reviewer 2014-Present
- Intimate understanding of the curricula at The Ohio State University

#### Adjunct Professor/Teaching Assistant
- Lecture Proficiency: Statistics in Engineering, Business, Sports, and Introductory Statistics
    - Comprehensive, creative and participative lecture format integrated with interactive lab format
- Lecture Proficiency: Biostatistics Courses for Masters students in the College of Public Health
- Collaborated in establishment and construction of curriculum for specialized, targeted Statistics classes
- Mathematics and Statistics Tutor in demand across University domains and majors

#### Statistical Consultant
- Guided students from other disciplines (psychology, science, marketing, etc.) and advised with statistical aspects of research and progressive statistic understanding and application.
- One-on-one consulting of the discovery and implementation of the proper statistical procedures.
- Managed client understanding and appraisal on the statistical data analysis progress

**2008-2010  Battelle Memorial Institute**
**Statistical Intern**
- Creating/modifying classification algorithms
- Programming algorithms in a variety of statistical computing packages (SAS, R, MATLAB, etc.)
- Statistical research team participant employing varied data analysis techniques
- Creation and development of visualization protocols for high-dimensional data

**2009-2014  Cengage Learning**
**Textbook Solution Author**
- Authored solutions for a mid-level Statistics textbook (<u>An Introduction to Statistical Methods and Data Analysis</u> by Ott & Longnecker 2nd and 3rd edition)
- Formatting solutions for final print of Students Solutions Manual

**2001  University of Dayton Research Institute**
*National leader in scientific and engineering research, serving government, industry, and not-for-profit customers.*
**Database Manger--Student Assistant**
- Using Microsoft Access tools and programs; built and upgraded essential databases
- Created convenient, user-friendly search engine in Access to search custom database

## Education:

**Ohio State University,** Columbus, Ohio
- 2012 Ph.D. in Statistics
    - *Simultaneous Adaptive Fractional Discriminant Analysis: Applications to the Face Recognition Problem*
- 2005 Master of Science Degree, Statistics GPA: 3.96/4.0
- Graduate Interdisciplinary Specialization in Comprehensive Engineering & Science of Biomedical Images
- Minor in Music

**Florida State University,** Tallahassee, FL
- 2003 Summa Cum Laude, Bachelor of Science Degree, Mathematics.
- 2003 Summa Cum Laude, Bachelor of Science Degree, Statistics.
- Minors in Physics and Computer Science.

**Carroll High School,** Dayton, Ohio
- Valedictorian 1999 and National Merit Finalist.

## Community and Professional Involvement:

Five year member of The Ohio State University Marching Band and Half-time drill designer
Four year member of The Florida State University Marching Chiefs
Member Kappa Kappa Psi National Honorary Band Service fraternity.  Vice president, Eta Chapter 2004-2005
Susan G. Komen Breast Cancer Foundation Run Support and Motivation

## Proficiencies:
Microsoft Office, Minitab, MATLAB, R, SAS, STATA, C and C++ programming