



John Muschelli

Education

- 2008–2010 **ScM**, *Johns Hopkins School of Public Health*, Baltimore, MD.
Area of Study: fMRI brain image data analysis
Thesis Topic: *An Iterative Approach to Hemodynamic Response Function Temporal Derivatives in Statistical Parametric Mapping for Functional Neuroimaging*
Adviser: Professor Brian Caffo
- 2004–2008 **BS**, *The University of Scranton*, Scranton, PA, GPA: 3.87.
Majors: Biomathematics and Neuroscience
Summa Cum Laude
Advisers: Professor Jakub Jasinski, Professor J. Timothy Cannon

Professional Experience

- 2009–Present **Research Associate**, *Johns Hopkins Biostatistics Center (JHBC)*, Baltimore, MD.
Collaborated on statistical projects with senior consultants.
Report writing and analyzing data using statistical software: R, Stata.
Cleaning and checking quality of data
- 2009–Present **Data Analyst / Data Manager**, *Brain Injury Outcomes Division*, Baltimore, MD.
Analysis of Phase II and III Clinical Trial for Treatment of Intracerebral and Intraventricular Hemorrhage
Dynamic reporting Tools: \LaTeX & R.
Data management and consultation of electronic case report form (eCRF) creation
- 2010–Present **Data Analyst**, *Laboratory for Neurocognitive and Imaging Research at Kennedy Krieger Institute*, Baltimore, MD.
Analysis of functional MRI (fMRI) imaging studies
Programming consultant: Matlab & R.
Participation in the ADHD 200 Competition
- 2008 **Intern, Analysis & Inference**, Swarthmore, PA.
Cooperated on statistical projects and conferenced with clients about possible analysis options.
Report writing of analyses: Stata
Data cleaning
- 2007 **Research Intern**, *Dupont Stine-Haskell Laboratory*, Wilmington, DE.
Developed lab skills and techniques: cell culturing, making and sterilizing broth media, optical density readings, inoculations, quality control, cell counts, screening for fungicidal properties of compounds.

Computer skills

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| Scripting | Proficient: R, Stata, Matlab, Novice: SAS | Markup | \TeX , \LaTeX , $\text{BIB}\TeX$, TeXShop, WinEdt |
| Programming | C++, Visual Basic | | |

Honors and Awards

- 2007–2008 **Presidential Scholar (Full Tuition Scholarship).**
- 2004–2008 **Dean's List.**
- 2004 **Alpha Lambda Delta.**
- 2008 **Alpha Sigma Nu.**

Academic Service

- 2010–Present **Mentor, Head of Household, *Incentive Mentoring Program.***
Mentor and tutor a student from Dunbar High School, teaching coursework, life skills, support as needed.