

Ian Fiske

Statistician

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***Objective:** Computationally skilled statistician seeking to help an organization get the most from its data.*

Summary of Key Qualifications

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| Statistics | Data analyst with experience applying and interpreting a variety of statistical methods including regression, multivariate analysis, survey sampling, variance estimation, environmental statistics, and spatial models. |
| Programming | Talented SAS programmer, with 6 years experience including SAS/BASE, SAS/STAT, and SAS/IML.
Expert R programmer, with 6 years experience leveraging R for everything from ANOVA and data management to developing novel statistical models and custom package development. |
| Collaboration | Consultant with experience solving real data analysis problems and communicating results to scientists. |
| Graphics | Programmer capable of generating beautiful statistical graphics using software tools such as SAS's ODS graphics and R's <i>lattice</i> and <i>ggplot2</i> packages. |

Education

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| 2008–present | PhD, Statistics (Aug. 2010) , <i>North Carolina State University</i> , Raleigh, NC. |
| 2006–2008 | M, Statistics , <i>North Carolina State University</i> , Raleigh, NC. |
| 2004–2006 | MS, Wildlife Ecology and Conservation , <i>University of Florida</i> , Gainesville, FL. |
| 1998–2003 | BS, Mathematics, Cum Laude , <i>University of Florida</i> , GPA: 3.87 (Math and EE). |
| 1998–2003 | BS, Electrical Engineering, Cum Laude , <i>University of Florida</i> . |

Experience

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|--------------|---|
| 2009–present | Graduate Industrial Trainee: Software Tester , <i>SAS Institute</i> , Cary, NC. <ul style="list-style-type: none">• Programmed efficient SAS code to test SAS/STAT software, including PROC SURVEYPHREG, PROC HP MIXED, and the EFFECTPLOT statement.• Validated numerical results of statistical procedures.• Reported defects and gave suggestions to the development team. |
| 2007–2009 | Statistical Contractor , <i>United States Geological Survey Patuxent Wildlife Research Center</i> , Laurel, MD. <ul style="list-style-type: none">• Developed and published <i>unmarked</i>, an R package that implements many popular wildlife estimation methods.• Taught a workshop on developing R packages.• Collaborated with ecologists to analyze data from the North American Amphibian Monitoring Program (NAAMP). |

- Created novel statistical models to analyze the NAAMP data.

2004–2006 **Research Assistant**, *University of Florida*, Gainesville, FL.

- Contributed demographic research on long term plant monitoring in forest fragmentation.
- Created a relational database to house long term plant monitoring data set.
- Conducted demographic analyses of plant populations using R and Matlab.

Relevant Coursework

- Spatial Statistics
- Statistical Computing
- GIS Fundamentals
- Categorical Data Analysis
- Longitudinal Data Analysis
- Survey Sampling
- Applied Regression
- Bayesian Statistics
- Linear Models
- Nonlinear Models

Computing Skills

Statistical programming	R, SAS/STAT, SAS/IML, Matlab	General-purpose programming	Java, C, C++, Python, Clojure
Operating Systems	Microsoft Windows, Linux, Unix	Productivity	Microsoft Office, OpenOffice.org, \LaTeX
Data management	MS Access, MySQL, PostgreSQL	GIS	ArcGIS, QGIS, R packages <i>geoR</i> and <i>spatial</i>

Awards and Honors

- 2009 **Cox Academic Achievement Award for Outstanding PhD candidate.**
- 2008 **Inducted into Mu Sigma Rho (National Statistics Honor Society).**
- 2006 **NCSU Statistics Graduate Fellowship.**
- 2006 **NCSU Statistics VIGRE Fellowship.**
- 2001 **Inducted into Eta Kappa Nu (Electrical Engineering Honor Society).**
- 1998 **National Merit Scholar.**