

# Federico Ferrari

27705 Durham NC, US  
federico.ferrari@duke.edu  
fedfer.github.io

## EDUCATION

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### PhD student in Statistics

*Aug. 2017 - present*

Duke University, Durham, NC, US  
First Year Advisor: Mike West

### Senior Allievo

*Sept. 2015 - July 2017*

Collegio Carlo Alberto, Moncalieri, Italy  
Master in Statistics and Applied Mathematics *with distinction*

### M.Sc. in Stochastics and Data Science

*Sept. 2015 - July 2017*

Department of Mathematics, University of Torino, Italy  
Final grade: 110/110 *cum laude*  
Thesis: *Multi-armed bandit for species discovery:  
An application to Political Polls*  
Supervisor: Stefano Favaro

### Erasmus+ Exchange Student

*Aug. 2014 - Jan. 2015*

University of Lund, Sweden, Department of Statistics

### B.A. in Economics and Finance

*Sept. 2012 - July 2015*

Department of Economics, University of Bologna, Italy  
Final grade: 110/110 *cum laude*

## RESEARCH

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### Research Assistant

*Jan. 2018 - present*

Advisor: David B. Dunson  
Research Interests *Bayesian modeling, Hierarchical models, Bayesian Nonparametric,  
Network modelling and Basketball analytics*

## SCHOLARSHIPS AND AWARDS

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### Applied Bayesian Statistics School,

*Aug. 2016*

Como, Italy  
*Scholarship covering registration fee and housing expenses*

### Allievi Honors Program full Scholarship

*Sept. 2015- July 2017*

Collegio Carlo Alberto, Torino, Italy  
*Scholarship covering university fees and housing expenses*

**Erasmus+ Scholarship***Aug. 2014-Jan. 2015*

University of Lund, Sweden

*EU Scholarship partially covering the costs of a semester of study abroad***10th position***June 2011*

National Mathematical Olympiad Team Challenge

*National team competition of the Math Olympiad at high school level***1st position***April 2011*

"Coppa Galois" Team Challenge

*Math regional team competition at high school level***SUMMER SCHOOLS AND SEMINARS**

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**Random partitions and dependent processes***Nov.-Dec. 2016*

Torino, Italy,

Lecturer: Prof. Ramses H. Mena, UNAM, Mexico

**Applied Bayesian Statistics School***Aug. 2016*

Como, Italy

*"Bayes, Big Data and the Internet"*

Lecturer: Steve Scoot, Director of Statistics research at Google

**Lévy processes***May 2016*

Torino, Italy

Lecturer: Prof. Andreas E. Kyprianou, University of Bath, UK

**Boundary Classification for Diffusion Processes***May 2016*

Torino, Italy

Lecturer: Prof. Goran Peskir, University of Manchester, UK

**PERSONAL SKILLS**

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**Languages****English:** Good knowledge**TOEFL exam** (October 2016): 99/120 overall**IELTS exam** (June 2013): 7/9 overall**Italian:** Native speaker**Computer Skills**

Python (including Spyder and IPython )

R, Gretl

Matlab

L<sup>A</sup>T<sub>E</sub>X**Other Skills****GRE exam** (Oct. 2016):

Quantitative 168/170

Verbal 159/170

Analytical Writing 3.5