Federico **Ferrari**

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RESEARCH INTERESTS

Bayesian modeling, Hierarchical Models, Bayesian Nonparametric, Bayesian Factor regression, Spatial models, Scalable Algorithms for Bayesian Models

EDUCATION

PhD Student in Statistics   *Aug. 2017 - present*
Duke University, Durham, NC, US
Advisor: Professor David B. Dunson
First Year Advisor: Professor 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*

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 EXPERIENCE

Research Assistant   *Jan. 2018 - present*
Advisor: Professor David B. Dunson
- Estimation of statistical interactions in the large p small n paradigm
- Bayesian Latent Factor model for the covariates
- Application to Chemical Exposures

Master Thesis   *Sept. 2017 - July 2017*
Supervisor: Professor Stefano Favaro
Thesis : *Multi-armed bandits for species discovery: An application to Political Polls* .

SCHOLARSHIPS AND AWARDS

Data Expeditions Award, *July 2018*
Durham, NC, US
Project *Poverty Indexes from World Bank Data*

ISBA World Meeting, *June 2018*
Edinburgh, UK
Travel Award for Poster presentation

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

PERSONAL SKILLS

Languages	**English**: Fluent
	Italian: Native speaker
Computer Skills	Python (including Spyder and IPython)
	R
	Matlab
	LaTeX