

Federico Ferrari

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fedfer.github.io

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: David B. Dunson
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*
- 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: David B. Dunson
Working on estimation of statistical interactions in the large p small n paradigm with applications to chemical exposures.
- Master Thesis** *Sept. 2017 - July 2017*
Supervisor: Stefano Favaro
Thesis : *Multi-armed bandits for species discovery: An application to Political Polls.*

SCHOLARSHIPS AND AWARDS

Data Expeditions Award, Durham, NC, US <i>Project Poverty Indexes from World Bank Data</i>	<i>July 2018</i>
ISBA World Meeting, Edinburgh, UK <i>Travel Award for Poster presentation</i>	<i>June 2018</i>
Applied Bayesian Statistics School, Como, Italy <i>Scholarship covering registration fee and housing expenses</i>	<i>Aug. 2016</i>
Allievi Honors Program full Scholarship Collegio Carlo Alberto, Torino, Italy <i>Scholarship covering university fees and housing expenses</i>	<i>Sept. 2015- July 2017</i>
Erasmus+ Scholarship University of Lund, Sweden <i>EU Scholarship partially covering the costs of a semester of study abroad</i>	<i>Aug. 2014-Jan. 2015</i>
10th position National Mathematical Olympiad Team Challenge <i>National team competition of the Math Olympiad at high school level</i>	<i>June 2011</i>
1st position "Coppa Galois" Team Challenge <i>Math regional team competition at high school level</i>	<i>April 2011</i>

PERSONAL SKILLS

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 Matlab L ^A T _E X
Other Skills	GRE exam (Oct. 2016): Quantitative 168/170 Verbal 159/170 Analytical Writing 3.5