



Experience

- **Postdoctoral Fellow**, Max Planck Institute for Human Development, Germany, 2019-.
- **Postdoctoral Fellow**, Department of Psychology, Harvard University, USA, 2017-2019.
 - Designed a novel Reinforcement Learning paradigm to model human moral learning.
 - Conducted a meta-analysis to dissociate the role of empathic concern versus distress in altruism.
- **Ph.D. Researcher**, Scuola Internazionale Superiore di Studi Avanzati (SISSA), Trieste, Italy, 2011-2015.
 - Collected and analyzed neuroimaging data to link moral decision-making and brain function.
 - Created novel Virtual Reality paradigms to study human moral *behavior*.
 - Studied clinical deficits in autism, multiple sclerosis, and anxiety disorders.

Technical Skills

- **Programming skills**
Data analysis: [R](#) (advanced), [MATLAB](#) (intermediate), [Python](#) (beginner)
Web development: [HTML/CSS](#) (intermediate), [JavaScript](#) (intermediate)
Database management: [SQL](#) (intermediate)
Document preparation: [RMarkdown](#) (advanced), [xaringan](#) (advanced), [L^AT_EX](#) (intermediate)
Miscellaneous: [Git/GitHub](#), [YAML](#)
- **Open-source software development** (in R; published on **CRAN**; Total downloads: **156,641**):
 - [ggstatsplot](#) (Downloads: **46,142**, 2018-): Informative data visualizations with statistical analyses.
 - [groupedstats](#) (Downloads: **34,882**, 2018-): Grouped statistical analyses.
 - [broomExtra](#) (Downloads: **36,190**, 2019-): Enhancements for working with regression models.
 - [statsExpressions](#) (Downloads: **18,564**, 2019-): Creates expressions with statistical details.
 - [pairwiseComparisons](#) (Downloads: **17,797**, 2019-): Multiple pairwise comparison tests.
 - [ipmisc](#) (Downloads: **3,066**, 2020-): Miscellaneous functions for data cleaning.
 - Co-author on [insight](#), [parameters](#) (downloads: **> 500K**)
- **Techniques**: text mining, meta-analysis, logistic/linear regression, mixed effects regression, clustering (*k*-means, hierarchical cluster analysis, linear discriminant analysis), *k*-nearest neighbor, bagging, random forests, SVM, dimensionality reduction (PCA, ICA), Reinforcement Learning, Bayesian statistics, cross validation, neural networks, Structural Equation Modeling, path analysis

Publications

- **13** first author, peer-reviewed publications
Citations: **466**, *h*-index: **10**, *i10*-index: **10**, Open materials (13/13)
Selected media coverage: *Time*, *The Huffington Post*, *Daily Mail*, *la Repubblica*, etc.

Education

- **Doctor of Philosophy** (**Neuroscience**), SISSA, Trieste, Italy, 2011-2015 (*summa cum laude*).
- **Master of Science** (**Physics**), Department of Physics, University of Pune, India, 2008-2010.
- **Bachelor of Science** (**Physics**), Fergusson College, India, 2005-2008.

Languages

Marathi (C2), Hindi (C2), English (C2), Italian (A2), German (A2)

Other Skills

- **Communication**: Skilled at disseminating complex ideas to a range of audiences, including scientists and the general public (**> 20** talks, published articles for newspapers).
- **Advising/Project Management**: Coordinated large teams of multi-national researchers across multiple neuroimaging studies across several years. Supervised and trained **7** students' undergraduate theses.