

ANGELA ANDREELLA

PhD Student - [University of Padova](#)

I am a Ph.D. student at the Department of Statistical Sciences of the University of Padova, [Cycle XXXIII](#). I am working with Professor [Livio Finos](#) about statistical methods to analyze neuroscience data, e.g. fMRI data. Mainly, my interest is to connect the psychological and statistical fields improving both areas. For that, I am a member of the [Psicostat](#) group at the University of Padua.

One project is about a spatial regularization of the Procrustes method used in the functional alignment of brain data. I am collaborating with Professor [James Haxby](#) from the Department of Psychological and Brain Sciences at Dartmouth College and with the [Haxby Lab](#).

Another project is about a permutation approach of the [All Resolution Inference](#) method under the supervision of Professor [Jelle Goeman](#) from the Department of Biomedical Data Sciences and Professor [Wouter Weeda](#) from the Department of Psychology at Leiden University.

I am also collaborating with [Paolo Brambilla](#) and [Giuseppe Delvecchio](#) on various psychiatric and psychological projects.

INTERESTS:

- High Dimensional Statistics in Neuroscience
- Multiple Testing in Psychology, Psychiatry and Neuroscience
- Permutation Tests in Psychology, Psychiatry and Neuroscience
- Procrustes Methods in Neuroscience
- Multivariate analysis in Psychology and Psychiatry

EDUCATION

10/2017 – now	University of Padova PhD Student	Padua, Italy
	Thesis: Multivariate analysis in functional magnetic resonance imaging (fMRI) data	
10/2013 – 03/2016	University of Padova M.S. in Statistical Science - 104	Padua, Italy
	Thesis: The Catalan National Movement analyzed by Twitter data.	
10/2010 – 04/2013	University of Padova B.S. in Statistical Science - 110	Padua, Italy
	Thesis: Twitter Sentiment Analysis in Monti's 2013 election campaign.	

STUDY VISITS

04/2019 07/2019	Visiting PhD Student LUMC , Department of Biomedical Data Sciences.	Leiden, Netherlands.
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CONTACT INFO

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- ✉ angela.andreella@phd.unipd.it
- 🐙 github.com/angeella
- 🐦 [angeella](#)
- 🌐 angelaandreella.netlify.com

LANGUAGES

Professional proficiency: Italian (mother tongue), English, Spanish

Elementary proficiency: French, Catalan

COMPUTER SKILLS

Statistical Packages: R Software - SPSS - SAS - STATA

Languages: R - Python - Matlab - C++ - Markdown - SQL

Other software: LaTeX - Gimp - FSL - GIT

This resume was made with the R package [pagedown](#).

Last updated on 2020-05-01.

- 01/2019
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04/2019 • **Visiting PhD Student**
[Dartmouth College](#), Department of Psychological and Brain Sciences.
📍 Hanover, NH, USA.
- 09/2013
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07/2014 • **Erasmus Program**
[Universitat de Barcelona](#), Department of Mathematics and Statistics.
📍 Barcelona, Spain.



RESEARCH AND INTERNSHIP EXPERIENCE

- 01/2016
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03/2016 • **Pre-Graduate Internship**
[Stazione Zoologica Anton Dohrn](#) 📍 Naples, Italy
- 06/2014
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06/2015 • **Pre-Graduate Internship**
[Universitat Politecnica de Catalunya](#) 📍 Barcelona, Spain



WORKING EXPERIENCE

- 09/2015
– now • **Private Tutor**
[Superprof](#) 📍 Italy
- 06/2016
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07/2017 • **Data analyst**
[Optima Italia](#) 📍 Naples, Italy
- 05/2016
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06/2016 • **IT Consultant**
[Atos S.r.l](#) 📍 Rome, Italy
- 06/2013
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08/2013 • **Interviewer**
[VALMON S.r.l](#) spin-off projects with the [University of Florence](#) 📍 Veneto, Italy
• conducting interviews in the context of the international European Social Survey (ESS) Round 6 Italy, a survey designed to describe and explain the attitudes, opinions, and behaviors of different European populations



EDUCATIONAL EXPERIENCE

- 2017
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Present • **Psicostat**
University of Padua 📍 Padua, Italy
- 2019 • **Interactive visualisation with R Shiny**
Leiden University 📍 Leiden, Netherlands.
- 2017 • **Stochastic calculus of variations and normal approximations**
[27th Jyväskylä Summer School](#) 📍 Jyväskylä, Finland
- 2017 • **Value of information analysis in spatial model**
[27th Jyväskylä Summer School](#) 📍 Jyväskylä, Finland
- 2017 • **Online Social Media Analytics**
[27th Jyväskylä Summer School](#) 📍 Jyväskylä, Finland





PUBLICATIONS

- 2019 ● **Permutation-based closed testing in functional Magnetic Resonance Imaging data.**
To be submitted
Andreella, A., Goeman, J., Weeda, W., Hemerik, J., Solari, A., and Finos, L.
- 2019 ● **The Fisher-Procrustes model in functional Magnetic Resonance Imaging data.**
To be submitted
Andreella, A., Feilong, M., Halchenko, Y., Haxby, J. V. L., and Finos, L.
- 2019 ● **How to improve the functional alignment of fMRI data usingspatial brain information?**
To be submitted
Andreella, A., Feilong, M., Halchenko, Y., Haxby, J. V. L., and Finos, L.
- 2020 ● **The Effect of DHA Supplementation on Cognition in Patients with Bipolar Disorder: An Exploratory Randomized Control Trial.**
Nutrients [doi: 10.3390/nu12030708](https://doi.org/10.3390/nu12030708)
Ciappolino, V. and DelVecchio, G. and Prunas, C. and **Andreella, A.** and Finos, L. and Caletti, E. and Siri, F. and Mazzocchi, A. and Botturi, A. and Turolo, S. and Agostoni, C. and Brambilla, P.
- 2019 ● **Altered syntactic abilities in rst episode patients: An inner phenomenon characterizing psychosis. European Psychiatry.**
European Psychiatry [doi: 10.1016/j.eurpsy.2019.08.001](https://doi.org/10.1016/j.eurpsy.2019.08.001)
Delvecchio, G., Caletti, E., Perlini, C., Siri, F. M., **Andreella, A.**, Finos, F., Bellani, M., Fabbro, F., Lasalvia, A., Bonetto, C., Cristofalo, D., Scocco, P., D'Agostino, A., Torresani, S., Imbesi, M., bellini, F., Veronese, A., Bressi, V., and Brambilla, P.
- 2018 ● **Prosody abilities in a large sample of affective and non-affective first episode psychosis patients.**
Comprehensive Psychiatry [doi: 10.1016/j.comppsy.2018.07.004](https://doi.org/10.1016/j.comppsy.2018.07.004)
Caletti, E., Delvecchio, G., **Andreella, A.**, Finos, L., Perlini, C., Tavano, A., Lasalvia, A., Bonetto, C., Cristofalo, D., Lamonaca, D., Ceccato, C., Pileggi, F., FaustoMazzi, F., Santonastaso, P., Ruggeri, M., Bellani, M., and Brambilla, P.



TALKS

- 02/2020 ● **Quot capita, tot sententiae. Don't Forget to Use Anatomical Features into the Alignment of fMRI Data**
[Cognitive Science Arena](#)  Brixen, Italy
- 09/2019 ● **A Statistical approach to the alignment of fMRI data**
[6th European Student Conference on Behaviour & Cognition](#)  Padua, Italy

- 12/2019 ● **First steps with Python**
[Psicostat 3.1](#) 📍 Padua, Italy
- 07/2019 ● **A Statistical approach to the alignment of fMRI data**
[12th IBS - Italian Region conference](#) 📍 Naples, Italy
- 06/2019 ● **A Statistical approach to the alignment of fMRI data**
HighDim reading club 📍 Leiden, Netherlands
- 04/2019 ● **A Statistical approach to the alignment of fMRI data**
[Psicostat 3.0](#) 📍 Padua, Italy
- 02/2019 ● **A Statistical approach to the alignment of fMRI data**
Haxby Lab 📍 Hanover, New Hampshire, USA



POSTERS

- 10/2019 ● **A Statistical approach to the alignment of fMRI data**
Zero Tre, Prospettive e Nuove Ricerche in Psicometria 📍 Padua, Italy



MEMBERSHIPS

- **Member of the Italian Region of the International Biometrical Society**
[Italian Region of the International Biometric Society](#)



HONOURS AND AWARDS

- 2012 ● **Scholarship for excellence by the University of Padua**



CERTIFICATION

- 2016 ● **SQL Fundamental Course**
[SoL - Society for Organizational Learning - Italy](#)
- 2015 ● **Security training course**
[University of Padova](#)
- 2013 ● **Certificate of Interviewer**
[VALMON S.r.l](#)