

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 that can improve the analysis in the Neuroscience field. Mainly, my interest is to connect the psychological and statistical areas to improve both aspects. For that, I am a member of the [Psicostat](#) group at the University of Padua.

A first project is about a spatial regularization of the Procrustes method used in the alignment of brain data coming from different subjects. 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 to the [All Resolution Inference](#) under also 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.

INTERESTS:

- High Dimensional Statistics
- Multiple Testing
- Permutation Tests
- Procrustes Methods
- Statistic applied in Neuroscience

EDUCATION

10/2017 – now	University of Padua PhD Student	📍 Padua, Italy
Thesis: Multivariate analysis in functional magnetic resonance imaging (fMRI) data		
10/2013 – 03/2016	University of Padua M.S. in Statistical Science - 104	📍 Padua, Italy
Thesis: The Catalan National Movement analyzed by Twitter data.		
10/2010 – 04/2013	University of Padua 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.
01/2019		



CONTACT INFO

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- 🐙 github.com/angeella
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- 🌐 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 2020-02-13.

- 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
|
06/2015 • **Pre-Graduate Internship**
Universitat Politecnica de Catalunya
📍 Barcelona, Spain



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 fMRI data.**
To be submitted
Andreella, A., Goeman, J., Weeda, W., Hemerik, J., Solari, A., and Finos, L.
- 2019 • **Modelling the Procrustes Problem inserting Prior Information with an application to fMRI Studies.**
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.

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](#)



OTHER EXPERIENCE

06/2016
–
07/2017



Data analyst
[Optima Italia](#)

Naples, Italy



HONOURS AND AWARDS

2012



Scholarship for excellence by the University of Padua