

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.

INTERESTS:

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



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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✉ 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 2020-02-14.

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



RESEARCH AND INTERNSHIP EXPERIENCE

- 01/2016 – 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 – 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 using spatial 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