

# Filippo Gambarota



✉ [filippo.gambarota@unipd.it](mailto:filippo.gambarota@unipd.it) | 🌐 [filippogambarota](#) | 📞 0000-0002-6666-1747 | 🐦 [fgambarota](#)

*Last Update: October 16, 2024*

I am a **postdoctoral researcher** at the University of Padova, department of Developmental Psychology and Socialization (DPSS) and **licensed psychologist**. I am interested in meta-analysis, Monte Carlo simulations for power and design analysis and multiverse analysis.

## CURRENT POSITION

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**Post-doctoral researcher (2 year research grant - type B)** 2024 - ongoing  
*Department of Developmental Psychology and Socialization, University of Padova, Italy*  
**Project:** Multiverse meta-analysis (M-PSI/03)  
**Supervisor:** Prof. Gianmarco Altoè

## ACADEMIC ROLES

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**Expert (Cultore della Materia) of Psychometrics (M-PSI/03)** 2023 - ongoing  
*Department of Developmental Psychology and Socialization, University of Padova, Italy*

## RESEARCH

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**Post-doctoral researcher (1 year research grant - type B)** 2023 - 2024  
*Department of Developmental Psychology and Socialization, University of Padova, Italy*  
**Project:** Multiverse meta-analysis (M-PSI/03) Supervisor: Prof. Gianmarco Altoè

## EDUCATION

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### PhD in Psychological Sciences

2019 - 2023

*University of Padova, Italy*

**Project:** The relationship between visual working memory and consciousness.

**Supervisor:** Professor Paola Sessa,

**Co-supervisor:** Professor Massimiliano Pastore

### Licensed Psychologist (Esame di Stato)

2020

*University of Padova, Italy*

Title obtained on the second session

### Internship

2018 - 2019

*Department of Developmental Psychology and Socialization - University of Padova*

Research project about visual consciousness and sensorimotor simulation

Research project about social cognition during pregnancy Supervision of internship students in EEG laboratory

### M.S. in Clinical Developmental Psychology - 110 cum laude

2018

*University of Padova, Italy*

Thesis: Visual Working Memory representations of infant faces during pregnancy as an adaptive mechanism. An EEG study.

**Supervisor:** Professor Paola Sessa

### Internship

2018

*Department of Developmental Psychology and Socialization - University of Padova*

Research project about social cognition during pregnancy with EEG data collection

### B.S. in Psychology - 110 cum laude

2016

*University of Padova, Italy*

Thesis: Psychosocial well-being of adolescents with oncoemathological disease.

**Supervisor:** Professor Ughetta Moscardino

### Internship

2016

*Hospital of Padova - Pediatrics Oncology*

Educational activities with in-patients children and their families Research about the psychosocial well-being of in-patients adolescents Discussing about clinical cases in regular supervisions

## AWARDS

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### **Award for the best scientific article of 2024 - Italian Psychological Association (AIP), Developmental and Educational Psychology** 2024

The paper Montuori, C., Gambarota, F., Altoé, G., & Arfé, B. (2023). The cognitive effects of computational thinking: A systematic review and meta-analytic study. *Computers & Education*, 210(104961), 104961. <https://doi.org/10.1016/j.compedu.2023.104961> won the award for the best scientific article of 2024, by the Italian Psychological Association (AIP), Developmental and Educational Psychology

### **Reproducibility Award - Italian Reproducibility Network (ITRN)** 2024

I won the **Reproducibility Award** from the Italian Reproducibility Network (ITRN) for the paper: Gambarota, F., & Altoè, G. (2024). Understanding meta-analysis through data simulation with applications to power analysis. *Adv. Methods Pract. Psychol. Sci.*, 7(1). <https://doi.org/10.1177/25152459231209330>

### **Mission Award to Psicostat by the Society for the Improvement of Psychological Science (SIPS)** 2023

As an active member of the Psicostat research group (<https://improvingpsych.org/mission/awards/>)

## TRAINING

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### **Meta-Analysis with Metafor (3 days)**

2021

*Maastricht University*

Intensive course about meta-analysis with the `metafor` package held by Professor Wolfgang Viechtbauer

### **Bayesian Regression Modeling with BRMS (5 days)**

2020

*Potsdam University*

Summer School in Bayesian Statistics for Cognitive Psychology

### **Bayesian Statistical Analyses for the Human, Social and Cognitive Sciences (5 days)**

2019

*University of Verona*

## TEACHING

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[planned] means that the course has been officially scheduled but not delivered yet

### > PHD

**Replicability crisis in science? (5 hrs.)** 2024

University of Padova

**Specialist Course** for the XXXIX Cycle of the PhD course in Statistics, Department of Statistical Sciences, University of Padova

**Generalized Linear Models - PhD Course in Psychological Sciences (15 hrs.)** 2023

University of Padova

I held the Generalized Linear Models course (Part A and B) within the PhD program in Psychological Sciences, University of Padova

### > LECTURES ON CONTRACT (DOCENZE A CONTRATTO)

**Psicometria per le Neuroscienze Cognitive [planned] (44 hrs., 6 CFU)** 2025

University of Padova

Professor (titolare del corso) for the Master's degree in Statistical Sciences, Department of Statistical Sciences, University of Padova

**Statistical Methods and Data Analysis in Developmental Psychology [M-PSI/03] (21 hrs., 3 CFU)** 2023

University of Padova

Lecturer (titolare di modulo) for the Master's degree in Developmental and Educational Psychology, University of Padova [[Materials](#)]

### > SEMINARS

**Introduction to R** 2021 - ongoing

University of Padova

Intensive course about programming in R as part of the [ARCA](#) courses, Department of Developmental Psychology and Socialization, University of Padova [[Materials](#)]

- March 2024 (20 hrs.)
- March 2023 (20 hrs.)
- November 2022 (20 hrs.)
- October 2021 (20 hrs.)

### > INTEGRATIVE TEACHING (DIDATTICA INTEGRATIVA)

**Data Analysis in Developmental Psychology [M-PSI/03]** 2022 - 2023

University of Padova

Lectures about R programming and data analysis of the course "Data Analysis in Developmental Psychology" (Prof. Massimiliano Pastore), Master's degree in Psychology of Community, Wellness Promotion, and Social Change, University of Padova

- March 2023 (15 hrs.)
- March 2022 (20 hrs.)

**Psychological Testing [M-PSI/03] (14 hrs.)** 2022

University of Padova

Lectures about R programming and data analysis of the course "Psychological Testing" (Prof. Gianmarco Altoè), Bachelor's degree in Developmental, Personality and Interpersonal Relationships Psychology, University of Padova

### > METHODOLOGICAL SCHOOLS

## Replicability Crisis in Science? (5 hrs.)

2023

*University of Padova*

I held a series of workshops about statistical methods to assess replicability during the summer school [Replicability Crisis in Science?](#) organized at the Department of Statistical Sciences (University of Padova)

### > LECTURES

#### Introduction to Visual Consciousness [M-PSI/01] (2 hrs.)

2021

*University of Padova*

Lecture during the course "General Psychology" (Prof. Roberto Dell'Acqua), Bachelor's degree in Developmental, Personality and Interpersonal Relationships Psychology, University of Padova [[Materials](#)]

#### Visual Working Memory in Social Cognition [M-PSI/01] (2 hrs.)

2021

*University of Padova*

Lecture during the course "General Psychology" (Prof. Paola Sessa), Bachelor's degree in Techniques and Methods in Psychological Science, University of Padova [[Materials](#)]

#### Neural Correlates of Consciousness [M-PSI/01] (2 hrs.)

2020 - 2023

*University of Padova*

I regularly held a two hours lecture during the course "Mechanism of Consciousness" (Prof. Roberto Dell'Acqua), Master's degree in Applied Cognitive Psychology, University of Padova [[Materials](#)]

### SUPERVISION

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- I have co-supervised **7 Master's degree** dissertations and **2 Bachelor's degree** dissertations (Department of Developmental Psychology and Socialization, University of Padova, Italy).
- From 2017 to 2019 I supervised and coordinated the students during EEG training in the laboratory (Department of Developmental Psychology and Socialization, University of Padova, Italy)

## PUBLICATIONS

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Journal impact factors and quartiles are taken from **Journal Citation Reports** considering the last available data

I published **14 papers** on journals with an **average impact factor of 5.75**. In terms of quartiles, I published **10 papers in Q1 journals, 3 papers in Q2 journals, 1 paper in Q3 journals**.

### Google Scholar

Last Update: 2024-10-16

- H-index: **6**
- Citations: **120**

### Scopus

Last Update: 2024-10-16

- H-index: **5**
- Citations: **50**

#### > PUBLISHED (14)

1. Del Popolo Cristaldi, F., G. Buodo, F. **Gambarota**, S. Oosterwijk, and G. Mento (2024). "How previous experience shapes future affective subjective ratings: A follow-up study investigating implicit learning and cue ambiguity". En. In: *PloS one* 19 (2), p. e0297954. [IF: 3.7, Quartile: Q1]
2. Di Rosa, E., F. Masina, A. Pastorino, E. Galletti, F. **Gambarota**, G. Altoè, N. Edelstyn, and D. Mapelli (2024). "Mood moderates the effects of prefrontal tDCS on executive functions: A meta-analysis testing the affective state-dependency hypothesis". En. In: *Journal of affective disorders* 351, pp. 920-930. ISSN: 0165-0327,1573-2517. DOI: 10.1016/j.jad.2024.02.009. <http://dx.doi.org/10.1016/j.jad.2024.02.009>. [IF: 6.6, Quartile: Q1]
3. **Gambarota**, F. and G. Altoè (2024a). "Ordinal regression models made easy: A tutorial on parameter interpretation, data simulation and power analysis". En. In: *International journal of psychology: Journal international de psychologie*. ISSN: 1464-066X,0020-7594. DOI: 10.1002/ijop.13243. <https://onlinelibrary.wiley.com/doi/abs/10.1002/ijop.13243> (visited on Oct. 02, 2024). [IF: 2.6, Quartile: Q2]
4. **Gambarota**, F. and G. Altoè (2024b). "Understanding meta-analysis through data simulation with applications to power analysis". En. In: *Advances in methods and practices in psychological science* 7 (1). ISSN: 2515-2459,2515-2467. DOI: 10.1177/25152459231209330. <http://dx.doi.org/10.1177/25152459231209330>. [IF: 13.6, Quartile: Q1]
5. Maffei, A., F. **Gambarota**, M. Liotti, R. Dell'Acqua, N. Tsuchiya, and P. Sessa (2024). "Conscious perception of fear in faces: Insights from high-density EEG and Perceptual Awareness Scale with threshold stimuli". In: *Cortex*. ISSN: 0010-9452,1973-8102. DOI: 10.1016/j.cortex.2024.02.010. <http://dx.doi.org/10.1016/j.cortex.2024.02.010>. [IF: 3.6, Quartile: Q1]
6. Toffalini, E., F. **Gambarota**, A. Perugini, P. Girardi, V. Tobia, G. Altoè, D. Giofrè, Psicostat Core Team, and T. Feraco (2024). "Clusters that are not there: An R tutorial and a Shiny app to quantify a priori inferential risks when using clustering methods". En. In: *International journal of psychology: Journal international de psychologie*. ISSN: 0020-7594,1464-066X. DOI: 10.1002/ijop.13246. <https://pubmed.ncbi.nlm.nih.gov/39300789/>. [IF: 2.6, Quartile: Q2]

7. Del Popolo Cristaldi, F., F. **Gambarota**, and S. Oosterwijk (2023). "Does your past define you? The role of previous visual experience in subjective reactions to new affective pictures and sounds". En. In: *Emotion (Washington, D.C.)* 23 (5), pp. 1317-1333. ISSN: 1528-3542,1931-1516. DOI: 10.1037/emo0001168. <http://dx.doi.org/10.1037/emo0001168>. [IF: 4.2, Quartile: Q1]
8. Montuori, C., F. **Gambarota**, G. Altoé, and B. Arfé (2023). "The cognitive effects of computational thinking: A systematic review and meta-analytic study". En. In: *Computers & education* 210 (104961), p. 104961. ISSN: 0360-1315,1873-782X. DOI: 10.1016/j.compedu.2023.104961. <http://dx.doi.org/10.1016/j.compedu.2023.104961> (visited on Dec. 03, 2023). [IF: 12, Quartile: Q1]
9. Pezzetta, R., F. **Gambarota**, V. Tarantino, M. Devita, Z. Cattaneo, G. Arcara, D. Mapelli, and F. Masina (2023). "A meta-analysis of non-invasive brain stimulation (NIBS) effects on cerebellar-associated cognitive processes". En. In: *Neuroscience and biobehavioral reviews* 157 (105509), p. 105509. ISSN: 0149-7634,1873-7528. DOI: 10.1016/j.neubiorev.2023.105509. <http://dx.doi.org/10.1016/j.neubiorev.2023.105509>. [IF: 8.2, Quartile: Q1]
10. Quettier, T., A. Maffei, F. **Gambarota**, P. F. Ferrari, and P. Sessa (2023). "Testing EEG functional connectivity between sensorimotor and face processing visual regions in individuals with congenital facial palsy". En. In: *Frontiers in systems neuroscience* 17, p. 1123221. ISSN: 1662-5137. DOI: 10.3389/fnsys.2023.1123221. <http://dx.doi.org/10.3389/fnsys.2023.1123221>. [IF: 3, Quartile: Q3]
11. **Gambarota**, F., N. Tsuchiya, M. Pastore, N. Di Polito, and P. Sessa (2022). "Unconscious Visual Working Memory: A critical review and Bayesian meta-analysis". En. In: *Neuroscience and biobehavioral reviews* 136 (104618), p. 104618. ISSN: 0149-7634,1873-7528. DOI: 10.1016/j.neubiorev.2022.104618. <http://dx.doi.org/10.1016/j.neubiorev.2022.104618>. [IF: 8.2, Quartile: Q1]
12. Verroca, A., C. M. de Rienzo, F. **Gambarota**, and P. Sessa (2022). "Mapping the perception-space of facial expressions in the era of face masks". En. In: *Frontiers in psychology* 13, p. 956832. ISSN: 1664-1078. DOI: 10.3389/fpsyg.2022.956832. <https://www.frontiersin.org/articles/10.3389/fpsyg.2022.956832>. [IF: 3.8, Quartile: Q1]
13. Quettier, T., F. **Gambarota**, N. Tsuchiya, and P. Sessa (2021). "Blocking facial mimicry during binocular rivalry modulates visual awareness of faces with a neutral expression". En. In: *Scientific reports* 11 (1), p. 9972. ISSN: 2045-2322. DOI: 10.1038/s41598-021-89355-5. <http://dx.doi.org/10.1038/s41598-021-89355-5>. [IF: 4.6, Quartile: Q2]
14. **Gambarota**, F. and P. Sessa (2019). "Visual working memory for faces and facial expressions as a useful 'tool' for understanding social and affective cognition". En. In: *Frontiers in psychology* 10 (OCT), p. 2392. ISSN: 1664-1078. DOI: 10.3389/fpsyg.2019.02392. <https://www.frontiersin.org/article/10.3389/fpsyg.2019.02392/full>. [IF: 3.8, Quartile: Q1]

#### > ACCEPTED (1)

Grassi, Altoé, Brattico, [...] **Gambarota**, [...] Zentner - Do musicians have better short-term memory than nonmusicians? A multi-lab study - *Advances in Methods and Practices in Psychological Science* [Registered Replication Report - Provisional Acceptance]



## CONFERENCES

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### > INVITED TALKS (1)

**Gambarota** [P], F. and Altoè, G. 2024  
**Understanding meta-analysis through data simulation with applications to power analysis - [Material]**  
*Cognitive Science Arena (CSA) - Bressanone, Italy*

### > TALKS (15)

[P] means that I was the presenting author

[accepted] means that the talk has been accepted but not delivered yet

**Gambarota** [P], F., Vesely, A., Finos, L., Altoè, G. 2024  
**Inference on multiverse meta-analysis. [accepted]**  
*META-REP - Munich, Germany*

**Gambarota** [P], F., Toffalini, E. 2024  
**Are most interactions false? The importance of the appropriate distribution and link function with non-normal data. - [Slides]**  
*Italian Psychological Association (AIP), Developmental Psychology - Cagliari, Italy*

Perugini, A., **Gambarota**, F., Toffalini, E., Sità, L., Lakens, D., Pastore, M., Finos, L. Psicostat, Altoè, 2024  
G.  
**Critical effect size values and why to report them.**  
*Italian Psychological Association (AIP), Developmental Psychology - Noto, Italy*

Girardi, P., Vesely, A., **Gambarota**, F., Altoè, G., Pastore, M., Finos, L. 2024  
**Exploring the Dark Side of the Multiverse: Pitfalls and Possibilities in Applications.**  
*Measuring and Interpreting World Changes with Statistics, Data Science and AI, Association for Applied Statistics (ASA) - Rome, Italy*

Perugini, A., Toffalini, A., Feraco, T., **Gambarota**, F., Pastore, M., Altoè, G. 2024  
**Is that a cluster? A practical guide on how to avoid Type I and Type II error**  
*Italian Psychological Association (AIP), Experimental Psychology - Noto, Italy*

Calignano, G., Ceccon, C., **Gambarota**, F., F., Pacheco, S., Russo, S., Altoé, G., Pastore, M., Valenza, 2024  
E., Moscardino, U.  
**Communicative development on the move between Minority and Majority worlds**  
*Italian Psychological Association (AIP), Developmental Psychology - Cagliari, Italy*

Girardi, P., Vesely, A., **Gambarota**, F., Altoè, G., Pastore, M., Finos, L. 2024  
**Exploring the Dark Side of the Multiverse: Pitfalls and Possibilities in Applications**  
*Association for Applied Statistics (ASA) - Rome, Italy*

**Gambarota** [P], F. 2024  
**Inferenza nella meta-analisi multiverse. Un approccio multivariato basato sulle permutazioni**  
*La Psicometria tra Oggi e Domani: Sfide E Nuovi Orizzonti - Firenze, Italy*

**Gambarota** [P], F. 2024

## **Cosa accade al di fuori della consapevolezza visiva? [Italian] - [Slides]**

*Brain Awareness Week - Padova, Italy*

**Gambarota** [P], F., Luria, R., Sessa, P. 2022

### **Conscious and unconscious information processing in visual working memory - [Slides]**

*Italian Psychological Association (AIP) - Padova, Italy*

del Popolo Cristaldi, F., **Gambarota**, F., Oosterwijk, S. 2022

### **The role of past experience in subjective ratings to affective predictions: cross-modality effects**

*Cognitive Science Arena (CSA) - Bressanone, Italy*

del Popolo Cristaldi, F., **Gambarota**, F., Oosterwijk, S. 2022

### **The role of past visual experience in subjective reactions to new affective pictures and sounds**

*Annual Conference of the Society for Affective Science (SAS) - Virtual*

**Gambarota** [P], F., Tsuchiya, N., Pastore, M. Di Polito, N., Sessa, P. 2021

### **Meta-analysis in Consciousness Research**

*Conscious Brain Concepts Workshop - University of Oslo - Virtual*

del Popolo Cristaldi, F., **Gambarota**, F., Oosterwijk, S. 2021

### **The role of previous probabilistic learning on the subjective affective experience**

*Italian Psychological Association (AIP) - Lecce, Italy*

**Gambarota** [P], F., Zandonella Callegher, C., Linkersdörfer, J., Ling, M., Kothe, E. 2021

### **trackdown - Collaborative writing through literate programming in R - [Slides]**

*Towards Advanced Scientific Knowledge (TASK4) - Virtual*

## **> POSTERS (9)**

[P] means that I was the presenting authors

[accepted] means that poster has been accepted but has not taken place yet

Brosche, K., **Gambarota**, F., Altoè, G., Rugani, R. 2024

### **Effects of Domestication and Selection for Productivity on Numerical Cognition in Chicks**

*European Conference on Behavioural Biology (ECBB) - Zurich, Switzerland*

**Gambarota** [P], F., Vesely, A., Finos, L., Altoè, G. 2023

### **Joinmeta - An Inferential approach to multiverse meta-analysis - [Poster]**

*Society for the Improvement of Psychological Science (SIPS) - Padova, Italy*

Rasti, S., **Gambarota**, F., Altoè, G. 2023

### **Multiverse Meta-Analysis: Proposing an Exploratory Framework.**

*Society for the Improvement of Psychological Science - Padova, Italy*

del Popolo Cristaldi, F., **Gambarota**, F., Oosterwijk, S. 2022

### **Cross-modality effects in affective prediction construction: the role of past visual experience in subjective reactions to new affective pictures and sounds**

*Annual Conference of the European Society for Cognitive and Affective Neuroscience (ESCAN) - Virtual*

Pezzetta, R., **Gambarota**, F., Tarantino, V., Devita, M., Cattaneo, Z., Arcara, G., Mapelli, D., Masina, F. 2022

**Probing cerebellar involvement in cognition through neuromodulation: A meta-analysis on the effectiveness of non-invasive cerebellar stimulation**

*Transcranial Brain Stimulation in Cognitive Neuroscience Workshop - Rovereto, Italy*

**Gambarota** [P], F., Zandonella Callegher, C., Linkersdörfer, J., Ling, M., Kothe, E. 2021  
**trackdown - An R package for collaborative writing and editing - [Video], [Slides]**  
*Society for the Improvement of Psychological Science (SIPS) - Virtual*

**Gambarota** [P], F., Zandonella Callegher, C., Linkersdörfer, J., Ling, M., Kothe, E. 2021  
**trackdown - A simple framework for collaboration in a literate programming workflow - [Video], [Slides]**  
*useR - Virtual*

**Gambarota** [P], F., Pastore, Luria, Ferrari, Sessa, P. 2020  
**Visual Working Memory Precision for Emotional Faces in Moebius Patients**  
*Cognitive Science Arena - Bressanone, Italy*

Quettier, T., **Gambarota**, F., Sessa, P. 2019  
**Look at others' smile: Sensorimotor modulation of visual awareness**  
*Italian Society of Psychophysiology and Cognitive Neuroscience (SIPF) - Ferrara, Italy*

**> SYMPOSIA (1)**

[P] means that I was the proponent

[accepted] means that symposium has been accepted but has not taken place yet.

**Gambarota** [P], F., Crepaldi, D., Calignano, G., Finos, L., Scandola, M. 2024  
**The Multiverse of Multi-labs. Methodological and Statistical Aspects of Multi-Lab and Multiverse Studies. - [Material]**  
*Italian Psychological Association (AIP), Experimental Psychology - Noto, Italy*

## PEER REVIEWS

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See my [Publons Profile](#)

Ad-hoc reviewer for:

- International Journal of Psychology
- PLoS ONE
- Neuroscience of Consciousness

**PROFESSIONAL MEMBERSHIPS**

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<b>Italian Reproducibility Network (ITRN)</b>	<i>from: 2024 - ongoing</i>
<b>The Society for the Improvement of Psychological Science (SIPS)</b>	<i>from: 2023 - ongoing</i>
<b>Associazione Italiana di Psicologia, Sezione Sperimentale (AIP)</b>	<i>from: 2022 - ongoing</i>
<b>Associazione Italiana di Psicologia, Sezione Sviluppo (AIP)</b>	<i>from: 2024 - ongoing</i>

## ORGANIZATION

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### **Italian Association of Psychology (AIP)**

2022

*University of Padova*

I was part of the organizing committee of the **XXX edition** of the Italian Association of Psychology (AIP) conference and editor of the Book of Abstract <https://www.padovauniversitypress.it/it/publications/9788869383168>

### **MRInference Winter School**

2021

*University of Padova*

I was part of the organizing committee of the “MRInference: from data to knowledge” winter school organized by the University of Padova

## THIRD MISSION (TERZA MISSIONE)

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**Science4all**

2024

*University of Padova*

**Sito web <https://psicostat.dpss.psy.unipd.it/> del gruppo di ricerca multidisciplinare "Psicostat".**

2023 - ongoing

*Online*

Il sito <https://psicostat.dpss.psy.unipd.it/> raccoglie e condivide in modo open le attività del gruppo a favore degli utenti interessati **[Iris ID: PEN-3397]**

**Sostenibilità umana: superare la società della performance e immaginare nuovi modelli - by TLON**

2023

*Padova*

Sensibilizzazione di tutto il personale del DPSS relativamente alle tematiche sulla società performante. Si è trattato di un workshop interattivo all'interno del retreat del dipartimento. La parte teorica è stata aperta alla cittadinanza attraverso la diretta fb, mentre la parte pratica è stata rivolta solo al personale dpss **[Iris ID: PEN-2435]**

## RESEARCH GROUPS

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**Psicostat** - [psicostat.dpss.psy.unipd.it](https://psicostat.dpss.psy.unipd.it)

*2019 - ongoing*

We are an interdisciplinary research group working in areas related to quantitative psychology, psychometrics, psychological testing and statistics.

**Colab** [colab.psy.unipd.it](https://colab.psy.unipd.it)

*2019 - ongoing*

The CoLab, established at the Department of Developmental Psychology of the University of Padova in the 2000, hosts a variety of research projects, which focus primarily on exploring the functional and neural mechanisms subserving attention and language abilities in human adults.



## RESEARCH SKILLS

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Rated as ●○○○○ (basic knowledge) to ●●●●● (advanced knowledge).

### > OS

- Linux ●●●●○
- Windows ●●●●○
- MacOS ●●●○○

### > PROGRAMMING LANGUAGES

- R ●●●●●
- MATLAB ●●●○○
- Python ●●●○○
- Javascript ●●○○○

### > WRITING

- LaTeX ●●●●○
- HTML ●●●○○
- CSS ●●●○○
- Pandoc ●●●○○
- (R)Markdown ●●●●●
- Quarto ●●●●●

### > EXPERIMENTS

- Psychopy ●●●●●
- Eprime ●●●○○
- Presentation ●●●●○
- Psychtoolbox ●●●○○

### > EEG/ERP

- EEGLab ●●●○○
- ERPLab ●●●○○
- Brainstorm ●○○○○
- Brainvision Analyzer ●●○○○

16th October 2024

*Filippo Gambarota*