Filippo Gambarota, PhD

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Last Update: November 25, 2024

I am a **postdoctoral researcher** in Psychometrics (SSD: PSIC-01/C, ex M-PSI/03) at the University of Padova, Department of Developmental Psychology and Socialization (DPSS) and **licensed clinical psychologist**.

Research interests:

- meta-analysis
- Monte Carlo simulations for power and design analysis
- multiverse analysis
- statistical methods for replicability assessment

CURRENT POSITION

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 (PSIC-01/C ex M-PSI/03)
Supervisor: Prof. Gianmarco Altoè

ACADEMIC ROLES

Expert (Cultore della Materia) of Psychometrics (PSIC-01/C ex M-PSI/03)   *2023 - ongoing*

Department of Developmental Psychology and Socialization, University of Padova, Italy

RESEARCH

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 (PSIC-01/C ex M-PSI/03) Supervisor: Prof. Gianmarco Altoè

ABROAD

Visiting Scholar (1 month)   *2024*
Dana Farber Cancer Institute, Harvard University, Boston
Research project about replicability in Psychology and Biomedical sciences.
Supervisor: Professor Giovanni Parmigiani

Visiting PhD student (6 months)   *2021*
University of Tel-Aviv, Israel
Research project about the relationship between Working Memory and Consciousness
Supervisor: Professor Roy Luria

EDUCATION

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

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

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

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

> PHD

Generalized Linear Models [planned] (15 hrs., 3 CFU)   *2025*
University of Padova
Professor for the course within the PhD program in Psychological Sciences, University of Padova

Crafting effective scientific presentations [planned] (5 hrs., 1 CFU)   *2025*
University of Padova
Professor for the course within the PhD program in Psychological Sciences, University of Padova

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 [PSIC-01/C ex M-PSI/03] (21   *2023*
hrs., 3 CFU)
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 [PSIC-01/C ex M-PSI/03]   *2022 - 2023*
University of Padova
Lectures about R programming and data analysis of the course "Data Analysis in Developmental Psychology" (Prof. Massimilano 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 [PSIC-01/C ex 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

- 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

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: 2024-11-25

- H-index: **7**
- Citations: **126**

Scopus

Last Update: 2024-11-25

- 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. ISSN: 1932-6203. DOI: 10.1371/journal.pone.0297954. **https://dx.plos.org/10.1371/journal.pone.0297954**. [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*. ISSN: 2008-1251. 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". En. In: *Cortex; a journal devoted to the study of the nervous system and behavior* 174, pp. 93-109. 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. Pezzetta, R., F. **Gambarota**, V. Tarantino, M. Devita, Z. Cattaneo, G. Arcara, D. Mapelli, and F. Masina (2024). "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: NA, Quartile: NA]

7. 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*. ISSN: 2008-1251. DOI: 10.1002/ijop.13246. **https://onlinelibrary.wiley.com/doi/10.1002/ijop.13246**. [IF: 2.6, Quartile: Q2]

8. 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* 23 (5), pp. 1317-1333. ISSN: 1528-3542. DOI: 10.1037/emo0001168. **https://psycnet.apa.org/record/2022-97771-001**. [IF: 4.2, Quartile: Q1]

9. 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]

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 (2)

- Grassi, Altoè, 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]

- Dimitru, E., [...] **Gambarota**, F., [...] - The Pain of Death. A Meta-Analysis of the Association of Death Anxiety with Psychological Distress And Psychopathology - *Nature Human Behaviour* [In press]

CONFERENCES

> INVITED TALKS (3)

Gambarota [P], F.   *2025*
Open Science Starter Pack [planned]
International Winter School 4M - Padova, Italy

Gambarota [P], F., Calignano, G.   *2025*
Multiverse analysis in R: Exploratory and Inferential Approaches [planned]
Cognitive Science Arena (CSA) - Bressanone, Italy

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.
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, G.   *2024*
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, E., Moscardino, U.   *2024*
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
Transcranical 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

See my **Publons Profile**

Ad-hoc reviewer for:

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

PROFESSIONAL MEMBERSHIPS

Italian Reproducibility Network (ITRN) *from: 2024 - ongoing*

The Society for the Improvement of Psychological Science (SIPS) *from: 2023 - 2024*

Associazione Italiana di Psicologia, Sezione Sperimentale (AIP) *from: 2022 - ongoing*

Associazione Italiana di Psicologia, Sezione Sviluppo (AIP) *from: 2024 - ongoing*

ORGANIZATION

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)

Science4all   *2024*
University of Padova
Centra il bersaglio: tra misurazione, probabilità e incertezza

Sito web https://psicostat.dpss.psy.unipd.it/ del gruppo di ricerca multidisciplinare   *2023 - ongoing*
"Psicostat".
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 i 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

Psicostat - 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   *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.

SOFTWARE

I mainly use R and the majority of research works are bounded with an R package, Shiny application or R code. The code and unpublished packages can be found on Github:

- **filippogambarota**: main personal repository
- **shared-research**: collection of papers with code and or packages
- **stat-teaching**: collection of teaching materials
- **psicostat**: repository of the Psicostat research group

> R PACKAGES ON CRAN

- **trackdown**: I have co-authored an R package to collaborate on R Markdown and QUARTO documents. **[CRAN]**

RESEARCH SKILLS

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 ●●○○○

25th November 2024

Filippo Gambarota