

GIULIO COSTANTINI

Curriculum Vitae – January 2020

Psychology Department

University of Milan-Bicocca

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SHORT SUMMARY

I completed my PhD at the Psychology Department of the University of Milano-Bicocca in 2015, with a thesis entitled “Network Analysis: A New Perspective on Personality Psychology”, supervised by prof. Marco Perugini. I am currently an assistant professor at the same department. My main research interests span the fields of personality psychology, psychological methods, and network analysis. My research has been focusing mainly on developing network analysis as a statistical and theoretical tool to model personality. Additionally, I applied the network methodology to understand the structure and processes of a specific personality trait, namely conscientiousness. I am also interested in the psychometric measurement of personality, with a keen eye on implicit measures. Other research interests include the relationships between personality, behavior, and psychological situations; the psychometric measurement of creative problem-solving skills; statistical power and scientific reproducibility.

CURRENT POSITION

Dec 2019 - Today **Assistant Professor in Psychometrics (MPSI/03) – Tenure Track position (Italian RTD-B)**
Psychology Department, University of Milan-Bicocca

EDUCATION

NATIONAL QUALIFICATIONS

Nov 2018 **National Academic Qualification as Associate Professor**
Scientific sector 11/E1
Valid from 05/11/2018 to 05/11/2024
<https://asn16.cineca.it/pubblico/miur/esito-abilitato/11%252FE1/2/5>

EDUCATION

Feb 2015 **PhD in Experimental Psychology, Linguistics and Cognitive Neuroscience,**
Psychology Department, University of Milan-Bicocca.
Thesis: “Network Analysis: A New Perspective on Personality Psychology”. Supervisor: Prof. Marco Perugini.

Lug 2010 **Master’s degree in Psychology (110/110 *cum laude*),**
University of Milan-Bicocca.

Lug 2008 **Bachelor’s degree in Psychology (110/110 *cum laude*),**
University of Milan-Bicocca.

ADDITIONAL EDUCATION

Jan 2020 Winterschool “Modeling the dynamics of intensive longitudinal data”,
Tillburg Experience Sampling Center (TESC), Tillburg University,
Netherlands, 6-9 Gennaio 2020. Lecturers: H. Hamaker, N.
Schoorman, L. Bringmann, R. Kuiper, O. Ryan.

May 2017 School “Complex Networks: theory, methods and applications III” Lake
Como School. Como, 15-19 Maggio 2017. Organizer: Alessandro Volta
Foundation.

Sep 2016 Workshop “Bayesian analysis with JASP: A fresh way of doing
statistics”. Prof. E.J. Wagenmakers (University of Amsterdam). Sep 26-
27 2016.
Psychology Department, University of Milan-Bicocca.

May 2015	Corso “Bayesian Statistics: Modelling, Computation and Testing”, prof. I. Ntzoufras. Organized by the the program in “Statistics and Financial Mathematics”, University of Milan-Bicocca, May 11-15 2015.
Jul-Aug 2012	Summer School in “Method and Techniques: Introduction to Network Analysis with Pajek”. Prof. V. Batagelj. University of Lubljana, Slovenia, July 27– August 11 2012. Organizer: European Consortium for Political Research.
Apr 2013 – Sep 2013	Post-lauream Internship “A Social Network Analysis of the Psychology Department”. Psychology Department, University of Milan-Bicocca. Tutor: Prof.ssa Cristina Zogmaister. Duration: h. 500.
Oct 2012 – Apr 2013	Post-lauream Internship “Situation, Personality, and Behavior”. Psychology Department, University of Milan-Bicocca. Tutor: Prof.ssa Cristina Zogmaister. Duration: h. 500.
Jul 2011	Summer school “Robust Statistics for Personality And Individual Differences”, Organizers: J. B. Asendorpf, M. Perugini, R. Wilcox. University Residential centre of Bertinoro, Bertinoro, FC, Italy.

TEACHING EXPERIENCE

COURSES AT THE PhD LEVEL

AY 2018-19	Costantini, G. & Perugini, M., Crash course on Power Analysis . Invited PhD seminar, Dipartimento di Psicologia e Scienze Cognitive, Università degli Studi di Trento. Scientific coordinator: Maria Paola Paladino. January 25 th , 2019; Duration: 3 hours (Perugini) + 2 hours (Costantini).
AY 2015-16, AY 2016-17, AY 2017-18 AY 2018-19	"The R statistical software", PhD school in Psychology. Psychology Department, University of Milan-Bicocca. Duration: 24 hours/year for AYs 2015-18, 6 hours/year for AY 2018/19.
Aug 2014	Teaching assistant for the Summer School "Using R for personality research" Aug 23-28 2014, Bertinoro, Italy. Duration of my teaching activity: 20 hours.

MASTER'S COURSES

AY 2018-2019 AY 2019-2020	Quantitative Methods Master's course: Social, Economic, and Decision-Making Psychology, University of Milan-Bicocca. Duration: h. 56.
AY 2017-2018	Multivariate Data Analysis Master's course: Clinical Psychology and Neuropsychology. Psychology Department, University of Milan-Bicocca. Duration: h. 42.
AY 2017-2018 AY 2018-2019 AY 2019-2020	Lab instructor - Psychometrics and Quantitative Methods. Master's course: Applied Experimental and Psychological Sciences. Psychology Department, University of Milan-Bicocca. Duration: h. 16.
AY 2015-2016 AY 2016-2017	Lab instructor – Multivariate Data Analysis. Master's course: Clinical Psychology and Neuropsychology. Psychology Department, University of Milan-Bicocca. Duration: h. 16/year.
AY 2012-2013, AY 2017-2018	Quantitative Methods Lab. Master's course: Psychology of Social, Decisional and Behavioral-Economic processes" Psychology Department, University of Milan-Bicocca. Duration: h. 24 /year.

BACHELOR'S COURSES

AY 2014-2015	Lab instructor – Psychometrics with SPSS lab 2.
AY 2015-2016	Bachelor's course: Psychological Sciences and Techniques
AY 2016-2017	Psychology Department, University of Milan-Bicocca. Duration: h. 16 / year.
AY 2015-2016	Tutor – Psychometrics with SPSS lab.
	Bachelor's course: Psychological Sciences and Techniques
	Psychology Department, University of Milan-Bicocca. Duration: h. 30
AY 2012-2013	Lab instructor – Psychometrics with SPSS lab 1.
	Bachelor's course: Psychological Sciences and Techniques
	Psychology Department, University of Milan-Bicocca. Duration: h. 32

MENTORING AND RESEARCH ADVISING

Since 2018	Member of the PhD committee of Andria Christodolou, PhD student in clinical psychology at the University of Cyprus. Supervisor: prof. Michalis Michaelides
Since 2017	Co-supervisor of PhD candidate Federica Conte for the PhD program in Psychology, Linguistics and Cognitive Neuroscience. Supervisor: prof.ssa Luisa Girelli University of Milan-Bicocca
Since 2015	Supervisor and co-advisor for several master's and bachelor's theses.

RESEARCH EXPERIENCE

PERSONAL SKILLS

Research interests	<p>Network models of personality and psychopathology. Applications of network analysis to the study of personality mechanisms, with a keen eye for trait conscientiousness.</p> <p>Personality assessment through self-report and through the Implicit Association Test (IAT).</p> <p>Development of scoring algorithms for the IAT.</p> <p>Scientific reproducibility and power analysis.</p> <p>Personality, behavior and situations across cultures.</p> <p>Psychometric assessment of problem solving (insight, creativity) abilities</p> <p>Development of R packages.</p>
Software	<p>Data Analysis</p> <ul style="list-style-type: none"> - R: I am author and co-author of several R packages. I teach R for PhD and MSc students. - SPSS: I teach SPSS at the bachelor's and master's level. - Jamovi: I teach Jamovi courses at the Master's level. - Pajek, a software for network analysis: user. - Matlab/Octave: basic knowledge. <p>Software for data collection:</p> <ul style="list-style-type: none"> - Inquisit - Qualtrics <p>Generic software:</p> <ul style="list-style-type: none"> - Windows and Office: advanced user.
Languages	<p>Italiano (mothertongue), Inglese.</p>

RESEARCH EXPERIENCE

Dec 2019 - Today	Assistant Professor in Psychometrics (MPSI/03) – Tenure Track position (Italian RTD-B) Psychology Department, University of Milan-Bicocca
Ott 2017 – Dec 2019	Assistant Professor in Psychometrics (MPSI/03) – Temporary position (Italian RTDA) Psychology Department, University of Milan-Bicocca
Jan 2016 – Sep 2017	Post-doctoral research fellow in Psychometrics (MPSI/03), Psychology Department, University of Milan-Bicocca. Research: “Network analysis as a new statistical tool: Applications to personality and beyond”. Scientific advisor: prof. Marco Perugini.
Lug-Nov 2015	Post-doctoral research fellow , research project: “Personality perception and network analysis”. Psychology Department, University of Milan-Bicocca. Scientific advisor: prof. Marco Perugini. Duration: 5 months.
Gen-Mag 2015	Post-doctoral research fellow , research project: “Applications of network analysis to personality”. Psychology Department, University of Milan-Bicocca. Scientific advisor: prof. Marco Perugini. Duration: 5 months.

VISITING PHD STUDENT

Ott 2013 - Mar 2014	Visiting PhD student ; Psychological Methods group, Department of Psychology, University of Amsterdam. Duration: 6 months. Advisor: prof. D. Borsboom.
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INVITED PARTICIPANT TO INTERNATIONAL WORKSHOPS

Sep 2018	Invited participant to the joint Expert Meeting of the European Association for Personality Psychology (EAPP) and the European Association of Psychological Assessment (EAPA) “Conceptualizing and assessing personality: New approaches to fundamental questions”. Organizers: René Möttus, David Condon, Dustin Wood
Jul 2015	Invited participant to the Expert Meeting of the European Association for Personality Psychology (EAPP) “Integrating personality structure and processes”. Annweiler am Triefels, Germany, July 27-29 2015.

Organizers: Anna Baumert, Marco Perugini, Manfred Schmitt

Aug 2013

Invited participant to the Expert Meeting of the European Association for Personality Psychology (EAPP) “Situations and Person-Situation Interactions”.

Berlin, Germany, August 23-25 2013.

Organizers: John F. Rauthmann and David C. Funder.

AWARDS

2016

EAPP scholarship for attending the 18th European Conference on Personality. 19-23 Luglio 2016, West University of Timisoara, Romania.

2013-2014

Cariplo (Cariplo Foundation, www.fondazionecariplo.it), research grant “Dottorato ad alta formazione in Psicologia Sperimentale e Neuroscienze Cognitive”, Progetto di ricerca: “New applications of network analysis as a psychometric tool in personality psychology”. grant number 2010-1432 (3000 euro).

REVIEWER

Dec 2016 – ongoing

Consultant editor, European Journal of Personality.

2017-2018

Member of the Scientific Committee for the 19th European Conference on Personality, Zadar, Croatia, July 17th-21st 2018.

Ad hoc reviewer

European Journal of Personality; Journal of Personality and Social Psychology; Journal of Research in Personality; Personality and Individual Differences, Journal of Personality Disorders; Knowledge-Based Systems; Behavior Research Methods; Social Psychological and Personality Science; PloS ONE; European Journal of Psychological Assessment; Health Psychology and Behavioral Medicine; TPM (Testing, Psychometrics, Methodology in Applied Psychology); GIP - Giornale Italiano di Psicologia (Italian Journal of Psychology), Psicologia Sociale, PeerJ, BMC Psychiatry, Psychiatry Research; Assessment; Journal of Personality Assessment; Journal of Affective Disorders; International Journal of Obesity; Multivariate Behavioral Research; Journal of Behavioral Medicine; British Journal of Social Psychology.

PROFESSIONAL AFFILIATIONS AND MEMBERSHIPS

Collaborator of the **PsychoSystems group** (<http://psychosystems.org>)

Member of the **Open Science Collaboration for the Reproducibility Project: Psychology** (<https://osf.io/ezcuj/wiki/home/>) and co-author of the “Reproducibility Project: Psychology”, which was ranked #8 of Top 100 Stories of 2015 by Discover Magazine, #6 by Science News, #5 in Altmetric100, Nature Magazine’s Top Science Stories of 2015, and runner-up for Breakthrough of the Year by Science Magazine

Member of the **International Situations Project** (<http://www.rap.ucr.edu/>)

Member of **UniData**, University of Milan-Bicocca. <http://www.unidata.unimib.it>

Member of the **PSYCHOSCOPE** group (Psychometrics of Social Cognition and Personality, <http://psychoscope.psico.unimib.it>)

Member of the **Experimental Clinical and Personality Psychology Lab (ECLIPPS)**; <http://eclipps.psico.unimib.it/>).

Member of the Interdisciplinary Research in Resilience and Cognition Laboratory (InteRRaCt), Queen’s University Belfast, www.interractlab.co.uk

PARTICIPATION TO RESEARCH PROJECTS

2018	Principal investigator for the research project “Volitional personality change and personal goals”. Funded by ATE-Progetti di ateneo (2187 euro).
2017	Principal investigator for the research project “Volitional Personality Change, The Role of Personal Goals”. Funded by ATE-Progetti di Ateneo (2251 euro).
2016	Participated to the project “Personality change” (PI: prof. Marco Perugini). Funded by: ATE-Progetti di Ateneo (2271 euro).
2015	Participated to the project “Implicit and explicit persuasion: is there a value added by self-referencing?” (PI: prof. Marco Perugini). Funded by: ATE-Progetti di Ateneo (2273 euro).
2014	Participated to the project “Diffusion of (implicit) attitude through intersecting regularities” (PI: prof. Marco Perugini). Funded by: ATE-Progetti di Ateneo (2173.28 euro).
2013-2014	“New applications of network analysis as a psychometric tool in personality psychology”, funded by Cariplo (Cariplo Foundation, www.fondazione cariplo.it), research grant “Dottorato ad alta formazione in Psicologia Sperimentale e Neuroscienze Cognitive”, grant number 2010-1432 (3000 euro).

2011 Participated to the project “Self-concept and evaluative conditioning: New self-referencing paradigms” (PI: prof. Marco Perugini). Funded by: ATE-Progetti di Ateneo (4526.64 euro).

SCIENTIFIC AFFILIATIONS

Associazione Italiana di Psicologia - sezione di Psicologia Sperimentale,
<http://www.aipass.org/psicologia-sperimentale>

Member of the Psychometric Society, <https://www.psychometricsociety.org/>

Member of the European Association of Personality Psychology <http://www.eapp.org/>

Member of the Complex Systems Society (<https://cssociety.org>)

OTHER RESEARCH EXPERIENCE

Dec 2013 Participated to the Two-day scientific event for the 25th anniversary of the Leuven Statistics Research Centre (Lstat), University KU Leuven, Leuven, Belgium, Dicembre 13-14 2013.

Dec 2013 Participated to the 23° Interuniversity graduate school Of Psychometrics and Sociometrics (IOPS) winter conference. University KU Leuven, Leuven, Belgium, Dec 12-13 2013.

PUBLICATIONS

(* Corresponding author, main author or declaration of equal contribution, last author)

PAPERS

- 31 Papageorgiou, K., Likhanov, M., **Costantini, G.**, Tsigeman, E., Zaleshin, M., Budakova, A., Jovas, Y. (2020), Personality, Behavioral Strengths and Difficulties and Performance of Adolescents with High Achievements in Science, Literature, Art and Sports. *Personality and Individual Differences*. <https://doi.org/10.1016/j.paid.2020.109917>
- 30 **Costantini, G.***, Saraulli, D., Perugini, M. (2020), Uncovering the Motivational Core of Traits: The Case of Conscientiousness. *European Journal of Personality*. <https://doi.org/10.1002/per.2237>
- 29 Santarnecchi, E., Sprugnoli, G., Bricolo, E., **Costantini, G.**, Liew, S.-L., Musaeus, M. D., Salvi, C, Pascual-Leone, A., Rossi, A., Rossi, S. (2019) Gamma tACS over the temporal lobe increases the occurrence of Eureka! Moments. *Scientific Reports* 9, 5778. <https://doi.org/10.1038/s41598-019-42192-z>
- 28 Papageorgiou, K., Benini, E., Bilello, D., Gianniou, F., Clough, P., **Costantini, G.*** (2019), Bridging the Gap: A Network Approach to Dark Triad, Mental Toughness, the Big Five and Perceived Stress. *Journal of Personality*. <https://doi.org/10.1111/jopy.12472>
- 27 ***Costantini, G.**, Richetin, J., Preti, E., Casini, E., Epskamp, S., Perugini, M. (2019), Stability and variability of personality networks. A tutorial on recent developments in network psychometrics. *Personality and Individual Differences* 136(1), 68-78. <http://dx.doi.org/10.1016/j.paid.2017.06.011>
- 26 Di Pierro, R., Costantini, G., Benzi, I., Madeddu, F., Preti, E. (2019), Grandiose and entitled, but still fragile: a network analysis of pathological narcissistic traits. *Personality and Individual Differences* 140, 15-20. <https://doi.org/10.1016/j.paid.2018.04.003>
- 25 Perugini, M., Gallucci, M., **Costantini, G.** (2018). A practical primer to power analysis for simple experimental designs. *International Review of Social Psychology* 31(1): 20, 1-23. <http://doi.org/10.5334/irsp.181>
- 25 Salvi, C., **Costantini, G.**, Pace, A., Palmiero, M. (2018), Validation of the Italian Remote Associate Task. *Journal of Creative Behavior*. <https://doi.org/10.1002/jocb.345>
- 23 ***Costantini, G.**, Perugini, M. (2018). A framework for testing causality in personality research. *Invited submission for the special issue "From Correlations to Explanations in Personality Research"*, *European Journal of Personality* 32: 254-268. <https://dx.doi.org/10.1002/per.2150>
- 22 Preti, E. Di Pierro, R., **Costantini, G.**, Benzi, I. M. A., De Panfilis, C., Madeddu, F. (2018), Using the Structured Interview of Personality Organization for DSM-5 Level of Personality Functioning Rating performed by inexperienced raters. *Journal of Personality Assessment* 100(6), 621-629. <https://doi.org/10.1080/00223891.2018.1448985>

- 21 Fried, E.I., Eidhof, M.B., Palic, S., **Costantini, G.**, Huisman-van Dijk, H.M., Bockting, C.L.H., Engelhard, I., Armour, C., Nielsen, A.B.S., Karstoft, K.-I. (2018), Replicability and Generalizability of Posttraumatic Stress Disorder (PTSD) Networks: A Cross-Cultural Multisite Study of PTSD Symptoms in Four Trauma Patient Samples. *Clinical Psychological Science* 6(3), 335-351. <https://doi.org/10.1177/2167702617745092>
- 20 Richetin, J., Preti, E., **Costantini, G.**, De Panfilis, C. (2017), The centrality of affective instability and identity in Borderline Personality Disorder: Evidence from network analysis. *PLoS one* 12(10): e0186695. <https://doi.org/10.1371/journal.pone.0186695>
- 19 Baumert, A., Schmitt, M., Perugini, M., Johnson, W., Blum, G., Borkenau, P., **Costantini, G.**, Denissen, J., Fleeson, W., Grafton, B., Jayawickreme, E., Kurzius, E., MacLeod, C., Miller, L., Read, S.J., Robinson, M.D., Roberts, B., Wood, D., Wrzus, C. (2017). Working towards integration of personality structure, process, and development. *European Journal of Personality* 31(5): 577-595. <http://dx.doi.org/10.1002/per.2128>
- 18 Baumert, A., Schmitt, M., Perugini, M., Johnson, W., Blum, G., Borkenau, P., **Costantini, G.**, Denissen, J., Fleeson, W., Grafton, B., Jayawickreme, E., Kurzius, E., MacLeod, C., Miller, L., Read, S.J., Robinson, M.D., Roberts, B., Wood, D., Wrzus, C. (2017). Integrating Personality Structure, Personality Process, and Personality Development. *European Journal of Personality* 31(5): 503-528. <http://dx.doi.org/10.1002/per.2115>
- 17 Spinato, G., Stellin, M., Azzarello, G., Bonazza, D., Zanconati, F., Politi, D., Cocuzza, S., Di Mauro, P., Ausoni, S., Tonoli, G., **Costantini, G.**, Maiolino, L., Spinato, R., Da Mosto, M.C., Baboci, L., Del Mistro, A., Serra, A., Tirelli, G. (2017). Multicenter research into the quality of life of patients with advanced oropharyngeal carcinoma with long-term survival associated with human papilloma virus. *Oncology Letters* 14, 185-193. <http://dx.doi.org/10.3892/ol.2017.6152>
- 16 Baranski, E., Gardiner, G., Guillaume, E., Aveyard, M., Bastian, B., Bronin, I., Ivanova, C., Cheng, J.T., De Kock, F.S., Denissen, J.J., Gallardo-Pujol, D., Halama, P., Han, G.Q., Bae, J., Moon, J., Hong, R.Y., Hřebíčková, M., Graf, S., Izdebski, P., Lundmann, L., Penke, L., Perugini, M., **Costantini, G.**, Rauthmann, J., Ziegler, M., Realo, A., Elme L., Sato, T., Kawamoto, S., Szarota, P., Tracy, J.L., van Aken, M.A., Yang, Y., & Funder, D.C. (2017). Comparisons of daily behavior across 21 countries. *Social Psychological and Personality Science*. Advance online publication. <http://dx.doi.org/10.1177/1948550616676879>
- 15 ***Costantini, G.**, & Perugini, M. (2016). The network of conscientiousness. *Journal of Research in Personality* 65, 68-88. <http://dx.doi.org/10.1016/j.jrp.2016.10.003>
- 14 ***Costantini, G.**, Perugini, M. (2016). A network perspective on causality in personality psychology. *European Journal of Personality*, 30(4), 312-313. <http://dx.doi.org/10.1002/per.2060>

- 13 ***Costantini, G.**, Perugini, M., Dentale, F., Barbaranelli, C., Alessandri, G., Vecchione, M., & Caprara, G. V. (2019). Assessing positive orientation with the Implicit Association Test. *European Journal of Psychological Assessment* 35(1), 109-116.
<http://dx.doi.org/10.1027/1015-5759/a000362>
- 12 Perugini, M., **Costantini, G.**, Hughes, S., & De Houwer, J. (2016). A functional perspective on personality. *International Journal of Psychology* 51(1), 33-39.
<http://dx.doi.org/10.1002/ijop.12175>
- 11 Salvi, C., **Costantini, G.**, Bricolo, E., Perugini, M., & Beeman, M. (2016), Validation of Italian rebus puzzles and compound remote associate problems. *Behavior Research Methods* 48(2), 664-685. <http://dx.doi.org/10.3758/s13428-015-0597-9>
- 10 Guillaume, E., Baranski, E., Todd, E., Bastian, B., Bronin, I., Ivanova, C., Cheng, J.T., de Kock, F.S., Denissen, J.J.A., Gallardo-Pujol, D., Halama, Pl, Han, G.Q., Bae, J., Moon, J., Hong, R.Y., Hřebíčková, M., Graf, S., Izdebski, P., Lundmann, L., Penke, L., Perugini, M., **Costantini, G.**, Rauthmann, J., Ziegler, M., Realo, A., Elme, L., Sato, T., Kawamoto, S., Szarota, P., Tracy, J.L., van Aken, M.A.G., Yang, Y., & Funder, D.C. (2016). The world at 7:00: Comparing the experience of situations across 20 countries. *Journal of Personality* 84(4), 493-509.
<http://dx.doi.org/10.1111/jopy.12176>
- 9 Perugini, M., & **Costantini, G.** (2015). Why and how a functional perspective on situations can be integrated with a personality perspective. *European Journal of Personality*, 29(3), 406-407. <http://dx.doi.org/10.1002/per.2005>
- 8 ***Costantini, G.**, Richetin, J., Borsboom, D., Fried, E., Rhemtulla, M., Perugini, M. (2015), Development of indirect measures of conscientiousness: Combining a facets approach and network analysis. *European Journal of Personality* 29(5), 548-567.
<http://dx.doi.org/10.1002/per.2014>
- 7 Open Science Collaboration. (2015). Estimating the reproducibility of psychological science. *Science* 349(6251), 943 - aac4716 1-8. <http://dx.doi.org/10.1126/science.aac4716>
- 6 Richetin, J., ***Costantini, G.**, Perugini, M. & Schönbrodt, F. (2015). Should we stop looking for a better scoring algorithm for handling Implicit Association Test data? Test of the role of errors, extreme latencies treatment, scoring formula, and practice trials on reliability and validity. *PLoS ONE* 10(6), e0129601. <http://dx.doi.org/10.1371/journal.pone.0129601>
- 5 ***Costantini, G.**, Epskamp, S., Borsboom, D., Perugini, M., Möttus, R., Waldorp, L., & Cramer, A. O. J. (2015) State of the aRt personality research: A tutorial on network analysis of personality data in R. *Journal of Research in Personality*, 54(R special issue): 13-29.
<http://dx.doi.org/10.1016/j.jrp.2014.07.003>
- 4 Perugini, M., Gallucci, M. & **Costantini, G.** (2014). Safeguard power as a guarantee against imprecise power estimates. *Perspectives on Psychological Science*, 9(3), 319-332.
<http://dx.doi.org/10.1177/1745691614528519>

- 3 ***Costantini G.**, & Perugini M. (2014), Generalization of Clustering Coefficients to Signed Correlation Networks. *PloS ONE*, 9(2), e88669.
<http://dx.doi.org/10.1371/journal.pone.0088669>

- 2 Open Science Collaboration. (2012). An open, large-scale, collaborative effort to estimate the reproducibility of psychological science. *Perspectives on Psychological Science*, 7(6), 652-655. <http://dx.doi.org/10.1177/1745691612462588>

- 1 ***Costantini G.**, & Perugini M. (2012). The definition of components and the use of formal indexes are key steps for a successful application of network analysis in personality psychology. *European Journal of Personality*, 26(4):434-435.
<http://dx.doi.org/10.1002/per.1869>

BOOK CHAPTERS

Gardiner, G., Sauerberger, K., **Members of the International Situations Project**, & Funder, D.C. (2019). Towards meaningful comparisons of personality in large-scale cross-cultural studies. In A. Realo (Ed.), *In praise of an inquisitive mind: A Festschrift in honor of Jüri Allik on the occasion of his 70th birthday*. Tartu: University of Estonia Press.

***Costantini, G.**, Richetin, J., Preti, E., Casini, E., & Perugini, M. (in press). Personality traits in social interactions: A tutorial on network analysis of personality dynamics. To appear in J. F. Rauthmann (Ed.), *The Handbook of Personality Dynamics and Processes*. Elsevier.

Perugini, M., Richetin, J., & **Costantini, G.** (in press), Personality and the unconscious. To appear in P. J. Corr, G. Matthews (Eds.) *Handbook of Personality Psychology* (2nd Edition). Cambridge, UK: Cambridge University Press.

***Costantini, G.** & Perugini, M. (2017). Network analysis for psychological situations. In D. Funder, J. F. Rauthmann, R. Sherman (Eds.), *The Oxford Handbook of Psychological Situations*. New York: Oxford University Press. <http://dx.doi.org/10.1093/oxfordhb/9780190263348.013.16>
ISBN: 9780190263348

***Costantini, G.**, & Perugini, M. (2016). Network analysis: A new way to think about personality. In U. Kumar (Ed.) *The Wiley Handbook of Personality Assessment* (pp. 74-89). Wiley-Blackwell. ISBN: 978-1-119-17344-1

Perugini M., **Costantini G.**, Richetin J. & Zogmaister C. (2017). Implicit Association Tests, then and now. F. van de Vijver, T. Ortnier (Eds.), *Behavior Based Assessment: Going beyond Self Report in the Personality, Affective, Motivation, and Social Domains* (pp. 15-28). Hogrefe.
<http://doi.org/10.1027/00437-000>
ISBN: 978-0-88937-437-9

Open Science Collaboration. (2014). The Reproducibility Project: A model of large-scale collaboration for empirical research on reproducibility. In V. Stodden, F. Leisch, & R. Peng (Eds.), *Implementing Reproducible Computational Research (A Volume in The R Series)* (pp. 299-323). New York, NY: Taylor & Francis.
ISBN: 978-1-466-56159-5

ENCYCLOPEDIA ENTRIES

Perugini, M., Richetin, J., **Costantini, G.** (2017). Implicit Measures of Personality. V. Ziegler-Hill, & T. K. Shackelford (Eds.), *Encyclopedia of Personality and Individual Differences*, pp. 1-4. Springer International Publishing. https://doi.org/10.1007/978-3-319-28099-8_817-1
ISBN: 978-3-319-28099-8 (web), 978-3-319-28099-8 (print)

***Costantini, G.**, Perugini, M. (2017). Network Analysis. In V. Ziegler-Hill, & T. K. Shackelford (Eds.), *Encyclopedia of Personality and Individual Differences*, pp. 1-4. Springer International Publishing. http://dx.doi.org/10.1007/978-3-319-28099-8_1332-1
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NATIONAL PUBLICATIONS

Nujten, M. B., Deserno, M. K., Cramer, A. O. J., ***Costantini, G.**, Borsboom, D. (2016). Disturbi mentali come complex network: Un'introduzione e una panoramica all'approccio network in psicopatologia. *Cognitivismo Clinico*, 13(2), 135-149. Retrieved from: <https://www.apc.it/wp-content/uploads/2013/03/03-NUJITENETAL-2-2016.pdf>
ISSN: 1724-4927

PHD THESIS

***Costantini, G.** (2015). Network analysis: a new perspective on personality psychology. Tesi di Dottorato. University of Milan-Bicocca.

CONFERENCE PRESENTATIONS

TALKS

***Costantini, G.**, Alì, P.A., Di Pierro, R., Richetin, J., Preti, E., Epskamp, S. (2019). *The dynamics of Borderline Personality Disorder*. Conference of Complex Systems 2019, September 30- October 4, Nanyang Technological University, Singapore. Satellite symposium of the Psychosystems Group: Complexities of Adverse Behaviors & Mental Health (<http://complexsystems.nl/ccs2019/>).

***Costantini, G.** (2019), Towards disentangling correspondence and emergence. International Convention of Psychological Science (ICPS) 2019, Symposium *Interdisciplinary Psychological Networks: Forming and Evaluating Network Theory Across Fields*, Chair: Sacha Epskamp. Paris, France, 7-9 March 2019.

***Costantini, G.**, (2018). Psychological dynamics in different classes of individuals. Conference of Complex Systems 2018, September 23-28, Thessaloniki, Greece. Satellite symposium of the Psychosystems Group: Understanding psychological phenomena as complex systems (<http://psychosystems.org/psychosystems-CCS2018-satellite>).

***Costantini G.**, Epskamp, S. (2017), The Fused Graphical Lasso for computing psychological networks. Presented at the International Meeting of the Psychometric Society (IMPS) 2017, Zurich, Switzerland, July 17-21 2017.

***Costantini G.** (2017), Personality traits as networks. Short talk presented at the school “Complex Networks: theory, methods and applications III” Lake Como School, Como, 15-19 Maggio 2017.

***Costantini G.**, Perugini M. (2016). *Il network della coscienziosità*. XXII congresso Dell’Associazione Italiana di Psicologia (AIP) – sezione di Psicologia Sperimentale, Università LUMSA, Roma, 20-22 Settembre 2016.

***Costantini G.**, Perugini M. (2016). *The network of conscientiousness*. Paper presented at the 18th European Conference on Personality, July 19th-23th, West University of Timisoara, Romania.

Sprugnoli, G., Rossi, S., Bricolo, E, **Constantini, G.**, Salvi, C., Musaeus, C., Liew, S., Rossi, A., Santarnecchi, E. (2015). *Neuromodulation of night processes by means of non-invasive brain stimulations: A tACS and tRNS study*. Talk presented at “XXIII Congresso Nazionale della Società Italiana di Psicofisiologia” (XXIII National Congress of the Italian Psychophysiology society), Lucca, Italy, November 19th-21st 2015.

***Costantini, G.**, & Perugini, M. (2014), Novel developments in network analysis for personality research. Paper presented at the 17th European Conference on Personality, July 15th-19th, University of Lausanne, Switzerland.

Perugini M., Richetin J., Zogmaister C. & **Costantini G.** (2010). *Development of an IAT-self Conscientiousness: Preliminary results*, presentation held at the 15th European Conference on Personality, July 20th-24th, Brno, Czech Republic.

INVITED TALKS AND SEMINARS

Costantini, G. & Perugini, M., Crash course on Power Analysis. PhD seminar, Department of Psychology and Cognitive Science, University of Trento. Scientific coordinator: Maria Paola Paladino. January 25th, 2019. Duration: 3 hours (Perugini) + 2 hours (Costantini)

Costantini, G. (2019), “A Tutorial on Network Analysis with Psychological Data” and “Network analysis in personality psychology”. Invited Seminars at the Psychology Department of the University of Cyprus. Chair: prof. Michalis Michaelides. 14/02/2019.

***Costantini, G.**, Benini, E. (2018), The Network of Personality. InterRaCt Lab - Queen University of Belfast, October 4-5 2018, Belfast, UK. Organizer: Kostas Papageorgiou.

Costantini, G., Pancani, L., Perugini, M. (2018), *Towards disentangling correspondence and emergence: The case of conscientiousness*. Invited presentation to the Expert Meeting “Conceptualizing and assessing personality: New approaches to fundamental questions” organized by the European Association of Personality Psychology (EAPP) and the European Association of Psychological Assessment (EAPA), organizers: René Møttus, David Condon, Dustin Wood. September 6th-8th, University of Edinburgh, UK.

Perugini, M., **Costantini, G.** (2015), *The rocky road from traits to mechanisms (and vice versa)*. Presentation held at the EAPP Expert Meeting on “Integrating Personality Structure and Personality Processes”, Annweiler am Trifels, Germany, July 26th-29th 2015

***Costantini G.**, & Perugini M. (2013) Generalization of clustering coefficient to signed correlation networks. PML Talk, University of Amsterdam, December 2nd 2013

POSTERS

Sprugnoli, G., Liew, S. L., Bricolo, E., **Costantini, G.**, Salvi, C., Museaus, C.S., Rossi, S., Rossi, A.G., Pascual-Leone, A., Santarnecchi, E. (2017). Going beyond the Eureka moment: enhancement of insightful solutions by means of tACS and tRNS. Poster presented at the 2nd International Brain Stimulation Conference, March 5th-8th 2017, Barcelona, Spain.

Published abstract: Sprugnoli, G., Liew, S. L., Bricolo, E., **Costantini, G.**, Salvi, C., Museaus, C.S., Rossi, S., Rossi, A.G., Pascual-Leone, A., Santarnecchi, E. (2017), Going beyond the Eureka moment: enhancement of insightful solutions by means of tACS and tRNS. *Brain Stimulation*, 10(2):402. <http://dx.doi.org/10.1016/j.brs.2017.01.193>

***Costantini, G.**, Richetin, J., Preti, E., De Panfilis, C., Perugini, M. (2016). The Fused Graphical Lasso for computing psychological networks. Poster presented at the 5th international workshop of complex networks and their applications. November 30th-December 2nd 2016, Milan (MI), Italy.

Richetin J., Preti E., **Costantini G.** (2016). *An alternative look at Borderline Personality Disorder through Network Analysis*. Poster presented at the 18th European Conference on Personality, July 19th-23th, West University of Timisoara, Romania.

Preti E., Richetin J., **Costantini G.** (2016). *Implicit and explicit anger and Borderline Personality Disorder traits*. Poster presented at the 18th European Conference on Personality, July 19th-23th, West University of Timisoara, Romania.

***Costantini, G.**, Richetin, J., Preti, E., Suttora, C. (2015). *An alternative look at borderline personality disorder through network analysis*. Talk presented at the Symposium “Advances in understanding social cognition and social behavior in borderline personality”, 14th Congress of the International Society for the Study of Personality Disorders (ISSPD XIV), October 13th – 16th 2015, Montreal, Canada. Presenter: Juliette Richetin.

***Costantini G.**, & Perugini M., (2012, July). *Network analysis and the structure of personality: A map of Conscientiousness*. Poster presented at the 16th European Conference on Personality, July 10th – 14th, University of Trieste (TS), Italy.

Richetin J., **Costantini G.**, Perugini M., & Schönbrodt F., (2012). *Is a More Robust IAT Score Possible?* Poster presented at the 16th European Conference on Personality, July 10th-14th, Trieste, Italy.

D'Addario M., Bonomi M., **Costantini G.** & Steca P. (2010). *Emotions and mind reading in the Ultimatum Game Paradigm*. Poster presented at the Annual Meeting of Society for Judgment and Decision Making, November 19th-22nd, St. Louis, MO, U.S.A.

D'Addario M., Bonomi M., **Costantini G.** & Steca P. (2010). *Emozioni e lettura delle intenzioni altrui nel paradigma dell'Ultimatum Game*. Poster presented at the XVI national congress of the Italian Psychology Association (AIP), September 2nd-4th, Bologna (BO), Italy.

DEPARTMENTAL EVENTS

***Costantini, G.**, Perugini, M. (2017). New developments in network analysis for personality research. Research Day of the Department of Psychology, University of Milano-Bicocca, September 18th 2017.

***Costantini, G.**, Perugini, M. (2016). *The Network of Conscientiousness*. Poster presented at the "Poster Half Day", University of Milano-Bicocca, September 29th 2016.

***Costantini, G.**, Richetin, J., Perugini, M. (2015). *Combining network analysis, indirect measurement, and a facets approach to elucidate mechanisms of conscientiousness*. Poster presented at the "Poster Half Day", University of Milano-Bicocca, October 1st 2015.

***Costantini G.**, & Perugini M. (2014). *Novel Developments in Network Analysis for Personality Research*, poster presented at the "Poster Half Day", University of Milano-Bicocca, September 25th 2014.

R PACKAGES

EstimateGroupNetwork ***Costantini, G.**, Epskamp, S., *EstimateGroupNetwork: Perform the Joint Graphical Lasso and Selects Tuning Parameters*. <https://cran.r-project.org/web/packages/EstimateGroupNetwork>
 This package allows estimating Gaussian Graphical Models on independent groups or classes of observations (e.g., patients and controls) using the Joint Graphical Lasso method (Danaher, 2012). Several options for the automatic selection of tuning parameters are implemented, including k-fold cross-validation and selection according to information criteria.

<i>IATscores</i>	<p>*Costantini, G. <i>IATscores: Implicit Association Test scores using robust statistics.</i> http://cran.r-project.org/web/packages/IATscores</p> <p>This package allows scoring the Implicit Association Test using several methods, including d-scores (described in Greenwald, Nosek & Banaji, 2003) and methods based on robust statistics (described in Richetin, Costantini, Perugini, & Schönbrodt, 2015).</p>
<i>safeguardpower</i>	<p>*Costantini, G., Perugini, M., Gallucci, M., <i>safeguardpower: A package for safeguard power analysis</i>, available on GitHub. https://github.com/GiulioCostantini/safeguardpower</p> <p>This package allows performing safeguard power analysis in simple settings (as described in Perugini, Gallucci, & Costantini, 2014).</p>
<i>qgraph</i>	<p>Epskamp, S., Costantini, G., Haslbeck, J., Cramer, A.O.J., Waldorp, L.J., Schmittmann V.D., Borsboom, D. <i>qgraph: Graph plotting methods, psychometric data visualization and graphical model estimation.</i> http://cran.r-project.org/web/packages/qgraph</p> <p>This package includes a variety of functions for computing, analyzing, and visualizing networks. I implemented functions for computing indices of centrality (Freeman, 1979), clustering coefficients for signed and unsigned networks (Costantini & Perugini, 2012), transitivity, average path length, and small-worldness (Humphries & Gurney, 2008), plus miscellaneous functions for visualization.</p>

SERVICE for the Psychology Department of the University of Milan-Bicocca

Since AY 2018-19	<p>Member of the committees for selecting applicants to several BA and MSc courses</p> <ul style="list-style-type: none"> - MSc Social, Economic and Decision Making Psychology (PSED), AY 2019-20 - MSc Applied Experimental Psychological Sciences (AEPS), AY 2019-20 - BA Psychological Sciences and Techniques (STP) –AY 2019-20, Preliminary selection of worthy (“meritevoli”) students. - BA Psychological Sciences and Techniques (STP) – AY 2018-19 and AY 2019-20
AY 2019-20	Didactic lab coordinator for the MSc course in Applied Experimental Psychological Science (AEPS)
AY 2018-19	Quality assurer for the MSc course in Applied Experimental Psychological Science (AEPS)
AY 2018-19	Member of the committee selecting PhD applicants for the PhD program in Psychology, Linguistic and Cognitive Neuroscience – Curriculum Mind, Brain, and Behavior – XXXV Cycle.

Since 2018

Member of the PhD program committee in Psychology, Linguistics and Cognitive Neuroscience (<https://www.unimib.it/node/12489>)