Livio Finos

CONTACT
INFORMATION

Department of Developmental Psychology and Socialisation
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EDUCATION AND
POSITIONS

2014-now: Associate Professor of Psychometrics (SSD m-psi/03) at Department of Developmental Psychology and Socialisation (dpss.unipd.it), University of Padua.

2008-2014: Assistant Professor of Statistics (SSD secs-s/01) at Department of Statistical Sciences (stat.unipd.it), University of Padua.

2008-2009: Researcher position at Department of Medical Statistics and Bioinformatics (MSBI) at the Leiden University Medical Center (LUMC), Leiden, NL. Also member of Bioinformatics Center of Expertise. Advisor: Prof. J. Goeman.

2008: Post doc Position at the CIBB (Biostatistics and Bioinformatics Center), University of Roma "Tor Vergata" (April 2007- March 2008). Project Title: Drug's consumer profiles through use of ministerial data of years 1991-2006. Advisor: Prof. C. Rossi

2007-2008: Post doc Position at the CIBB (Biostatistics and Bioinformatics Center), University of Roma "Tor Vergata" (April 2007- March 2008). Project Title: Multiplicity control in Neuroimaging data. Advisor: Prof. C. Rossi

2005-2007: Post doc Position at the Dip.to di Scienze Biomediche e Terapie Avanzate, University of Ferrara. Advisor: Prof. L. Fadiga, (European Project: RobotCub - Development of a cognitive humanoid cub, Project No. 004370)

2004: Ph.D. in Statistics at University of Padova. Thesis: Metodi non parametrici per l'analisi multi-focus e per il controllo della molteplicità con applicazioni in ambito biomedico. Advisors: Prof. F. Pesarin and Prof. L. Salmaso.

2002-2003: Listener at Master on Genetic Epidemiology (Director: prof. L. Bernardinelli) at Dip. Scienze Farmacologiche Applicate, Istituto Universitario di Studi Superiori di Pavia

2001: Visiting student at Texas Tech University, Lubbock, TX Area of Information Systems and Quantitative Sciences, Advisor: Associate Professor Peter Holm Westfall

2000-2003: Ph.D. Student in Statistics at the Department of Statistics, University of Padua

2000: Graduated in Scienze Statistiche, Demografiche ed Attuariali at the Faculty of Statistical Sciences, University of Padua. Thesis: Confronti Multipli, Test Multipli e Closed Testing: metodi parametrici e non parametrici. Advisor: Prof. F. Pesarin and Dott. L. Salmaso.

1999: Erasmus student at Institut für Statistik und Decision Support Systems, Universität Wien, Wien, A.

LANGUAGES   Italian (mother tongue), English, German

PUBLICATION   Marino Claudia, Finos Livio, Vieno Alessio, Lenzi Michela, Spada Marcantonio
                   M (2017). Objective Facebook behaviour: Differences between problematic and
                   non-problematic users Computers in Human Behavior, 73, 541-546, 0747-5632

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                   Ruggeri M, Brambilla PProgressive disability and prefrontal shrinkage in schizoph-
                   renia patients with poor outcome: A 3-year longitudinal study (2017) Schizophrenia
                   research , 179, 104-111, 0920-9964.

                   Cardinali L, Brozzoli C, Finos L, Roy AC, Farnè A (2016). The rules of tool
                   incorporation: Tool morpho-functional & sensori-motor constraints, Cognition, 149,
                   1-5, 0010-0277

                   Ghezzi Marco, Berretta Massimiliano, Bottacin Alberto, Palego Pierfrancesco, Sar-
                   tini Barbara, Cosci Ilaria, Finos Livio, Selice Riccardo, Foresta Carlo, Garolla
                   Andrea (2016) Impact of BEP or carboplatin chemotherapy on testicular func-
                   tion and sperm nucleus of subjects with testicular germ cell tumor, Frontiers in
                   pharmacology, 7

                   Munari Marco, Chemello Giulia, Finos Livio, Ingrosso Gianmarco, Giani Miche-
                   le, Marin Maria G (2016). Coping with seawater acidification and the emer-
                   ging contaminant diclofenac at the larval stage: A tale from the clam Ruditapes
                   philippinarum. Chemosphere, 160, 293-302, 0045-6535

                   Ambrosini Anna, Kisialiou Aliaksei, Coppola Gianluca, Finos Livio, Magis Delphi-
                   ne, Pierelli Francesco, Schoenen Jean (2016). Visual and auditory cortical evoked
                   potentials in interictal episodic migraine: An audit on 624 patients from three
                   centres. Cephalalgia, 0333102416665224, 0333-1024.

                   Huchon Laure, Badet Lionel, Roy Alice Catherine, Finos Livio, Gazarian Aram,
                   Revol Patrice, Bernardon Laurence, Rossetti Yves, Morelon Emmanuel, Rode Gilles
                   (2016) Grasping objects by former amputees: The visuo-motor control of allografted
                   hands. Restorative neurology and neuroscience, 34, 4, 615-633, 0922-6028.

                   V. Matozzo, C. De Notaris, L. Finos, R. Filippini, A. Piovan (2015) Environmen-
                   tally realistic concentrations of the antibiotic Trimethoprim affect haemocyte para-
                   meters but not antioxidant enzyme activities in the clam Ruditapes philippinarum.
                   Environmental Pollution 206, 567-574

                   F. de Bertoldi, L. Finos, M. Maieron, L. Weis, M. Campanella, T. Ius, L. Fadi-
                   ga (2015) Improving the reliability of single-subject fMRI by weighting intra-run
                   variability, NeuroImage.

                   E. Delvecchio, A. Sciandra, L. Finos, C. Mazzeschi, D. Di Riso (2015) The role of
                   co-parenting alliance as a mediator between trait anxiety, family system maladjust-
                   ment, and parenting stress in a sample of non-clinical Italian parents. Frontiers in
                   psychology 6.

                   A. Solari, L. Finos, J.J. Goeman (2014) Rotation-based multiple testing in the
                   multivariate linear model. Biometrics, 70 (4), 954-961.

                   L. Finos and D. Basso (2014) Permutation Tests for Between-Unit Fixed Effects in

Multivariate Generalized Linear Mixed Models. Statistics and Computing. Volume 24, Issue 6, pp 941-952 doi:10.1007/s11222-013-9412-6.

Garolla A., Selice R., Engl B., Bertoldo, A., Menegazzo, M., Finos L., Lenzi A., Foresta C (2014) Spermatid count as a predictor of response to FSH therapy. Reproductive BioMedicine Online. 29(1):102-12. doi: 10.1016/j.rbmo.2014.02.014.

M Bressan, A Chinellato, M Munari, V Matozzo, A Manci, T Marceta, L Finos, I Moro, P Pastore, D Badocco, MG Marin (2014) Does seawater acidification affect survival, growth and shell integrity in bivalve juveniles? Marine Environmental Research

Bokenkamp R, van Brempt R, van Munsteren JC, van den Wijngaert I, de Hoogt R, Finos L, Goeman J, Groot AC, Poelmann RE, Blom NA, Deruiter MC.(2014) Dlx1 and rgs5 in the ductus arteriosus: vessel-specific genes identified by transcriptional profiling of laser-capture microdissected endothelial and smooth muscle cells. PLoS One. 2014 Jan 28;9(1):e86892. doi: 10.1371/journal.pone.0086892. eCollection 2014.

A. Farcomeni, L. Finos (2013). FDR Control with Pseudo-Gatekeeping Based on a Possibly Data Driven Order of the Hypotheses. Biometrics, 69(3): 606-13. doi: 10.1111/biom.12058.

L. Locatello, G. Fiorito, L. Finos, M. B. Rasotto (2013) Behavioural and immunological responses to an immune challenge in Octopus vulgaris. Physiology & Behavior.

Mozzanega B, Gizzo S, Bernardi D, Salmaso L, Patrelli TS, Mioni R, Finos L, Nardelli GB. (2013) Cyclic variations of bone resorption mediators and markers in the different phases of the menstrual cycle. J Bone Miner Metab., 31(4):461-7.

V. Matozzo, M. Giacomazzo, L. Finos, M.G. Marin, L. Bargelloni, M. Milan (2013) Can ecological history influence immunomarker responses and antioxidant enzyme activities in bivalves that have been experimentally exposed to contaminants? A new subject for discussion in eco-immunology studies. Fish and Shellfish Immunology. 10.1016/j.fsi.2013.04.013

J. J. Goeman and L. Finos (2012) The inheritance procedure: multiple testing of tree-structured hypothesesStatistical Applications in Genetics and Molecular Biology.

D. Basso, L. Finos (2012) Exact Multivariate Permutation Tests for Fixed Effects in Mixed-Models. Communications in Statistics - Theory and Methods. Volume 41, Number 16/17

V. Matozzo, A. Chinellato, M. Munari, L. Finos, M. Bressan, M. G. Marin (2012) First Evidence of Immunemodulation in Bivalves Under Seawater Acidification and Increased Temperature. PLoS ONE 7(3) : e38220.

M. Pizzolon, L. Locatello, R.R. Warner, N. Chimento, L. Finos, M. B. Rasotto (2012). Linking male qualities to multiple display traits: an example in a fish with exclusive male care. Behavioural Ecology and Sociobiology, 66 (3) 497-504.

S.A. Joosten, J.J. Goeman, J.S. Sutherland, L. Opmeer, K.G. de Boer, L. Finos,

C. Magis-Escurralbanez, M.O.C. Ota, T.H.M. Ottenhoff, and M.C. Haks (2012) Identification of biomarkers for tuberculosis disease using a novel dual-colour RT-MLPA assay. Genes and Immunity. 13(1):71-82.

J. J. Goeman, L. Finos and H. C. van Houwelingen (2011) Testing against a high dimensional alternative in the generalized linear model: asymptotic alpha-level control. Biometrika, 98 (2): 381-390

L. Finos (2011). A note on Left-Spherically Distributed Test with covariates, Statistics and Probabilty Letters, Volume 81, Issue 6, June 2011, Pages 639-641.

R.L. Miclea, E.C. Robanus-Maandag, J.J. Goeman, L. Finos, H. Bloys, C. W.G.M. LÃČÂűwik, J.M. Wit, M. Karperien (2011) Inhibition of Gsk3ÃÕÂš induces osteoarthritis through activation of the canonical Wnt signaling pathway. Osteoarthritis and Cartilage. 19 (11) 1363-72

L. Finos, A. Farcomeni (2011). k-FWER Control without p-value Adjustment, with Application to Detection of Genetic Determinants of Multiple Sclerosis in Italian Twins. Biometrics, 67-1,174ÃćâĆňâĂIJ181.

Matozzo V., Binelli A., Parolini M., Previato M., Masiero L., Finos L., Bressan M., Marin M.G. (2011). Biomarker responses in the clam Ruditapes philippinarum and contamination levels in sediments from seaward and landward sites in the Lagoon of Venice. Ecological Indicators 19, 191-205

L. Finos, C. Brombin, L. Salmaso (2010). Adjusting stepwise p-values in generalized linear models. Communications in Statistics - Theory and Methods.

L. Finos, F. Pesarin, L. Salmaso, A. Solari (2008). Exact Inference for Multivariate Ordered Alternatives. Statistical Methods and Applications vol. 17; p. 195-208, ISSN 1618-2510 (Print) 1613-981X (Online).

Bongiorno-Borbone L., De Cola A., Vernole P., Finos L., Barcaroli D., Knight R.A., Melino G. and De Laurenzi V. (2008) FLASH and NPAT positive but not Coilin positive Cajal Bodies correlate with cell ploidy. Cell Cycle 7, 15.

B. Gesierich, A. Bruzzo, G. Ottoboni, L. Finos (2008). Human gaze behaviour during action execution and observation, Acta Psychologica, 128/2, 324-330. ISSN: 0001-6918.

L. Finos, L. Salmaso (2007). FDR- and FWE-controlling methods using data-driven weights. Journal of Statistical Planning and Inference, 137,12, 3859-3870. ISSN: 0378-3758.

L. Finos, L. Salmaso, A. Solari (2007). Conditional inference under simultaneous stochastic ordering constraints. Journal of Statistical Planning and Inference 137, pp. 2633-2641 ISSN: 0378-3758.

L. Finos, L. Salmaso (2006). Weighted methods controlling the multiplicity when the number of variables is much higher than the number of observations. Journal of Nonparametric Statistics Vol. 18, No. 2, 245-261 ISSN 1048-5252.

D. Basso, L. Finos, L. Salmaso (2006). A new association test in linear models with applications to experimental designs. Journal of Applied Statistical Sciences, Vol

15, No 1. pp 99-109. ISSN 1067-5817.

L. Fadiga, L. Craighero, M. Fabbri Destro, L. Finos, N. Cotillon-Williams, A. T. Smith, U. Castiello (2006). Language in shadow. Social Neuroscience, 1 (2), 77-89. ISBN/ISSN 1841690996, Online ISSN : 1747-0927.

L. Finos, L. Salmaso (2005). A new nonparametric approach for multiplicity control: Optimal Subset procedures. Computational Statistics 20. 4, 643-654. ISSN: 0943-4062 (print version) ISSN: 1613-9658 (electronic version)

P. Catarsi, R. Ravazzolo, F. Emma, D. Fruci, L. Finos, A. Frau, G. Morreale, A. Carrea, G. Ghiggeri (2005). Angiotensin-converting enzyme (ACE)-haplotypes and cyclosporine-A (CsA) response: a model of the complex relationship between ACE quantitative trait locus and pathological phenotypes. Human Molecular Genetic. 14(16): 2357-2367. ISSN 0964-6906, Online ISSN: 1460-2083

G. A. Fava, C. Ruini, C. Rafanelli, L. Finos, L. Salmaso, L. Mangelli, S. Sirigatti (2005). Well-Being Therapy Of Generalized Anxiety Disorder. Psychotherapy and Psychosomatics. 74. 26-30. ISSN 0033-3190

P. H. Westfall, S. Kropf, L. Finos (2004). Weighted FWE-controlling methods in high-dimensional situations. Recent Developments in Multiple Comparison Procedures, Institute of Mathematical Statistics Lecture Notes-Monograph Series, Vol. 47, Y. Benjamini, F. Bretz, and S. Sarkar, eds., 143-154. IBSN 978-1-584 88984-7

C. Bonifazzi, M. N. Cinti, L. Finos, M. Betti, A. Tartari, N. Lanconelli, G. De Vincentis, R. Pani (2004). Principal Component Analysis of Scintimammographic Images. Physica Medica, 21, 91-93. ISSN 1120-1797

G. A. Fava, C. Ruini, C. Rafanelli, L. Finos, S. Conti, S. Grandi (2004). Six Year Outcome for Cognitive Behavioral Prevention of Recurrent Depression. American Journal of Psychiatry; 161. 1872-1876. ISSN: 0002-953X

L. Finos, L. Salmaso (2004). Nonparametric multi-focus analysis for categorical variables. Communications in Statistics - Theory and methods, 33 n.8. 1931-1941. ISSN: 0361-0926

L. Finos, F. Pesarin, L. Salmaso (2003) Test combinati per il controllo della molteplicitÃČÂŕÃĆÂ£ÃĆÂ¡ mediante procedure di Closed Testing. Statistica Applicata, 15, 2. 301-329. ISSN: 00366549

L. Finos, F. Pesarin, L. Salmaso (2003) Confronti Multipli tramite metodi di permutazione. Statistica Applicata, 15, 2. 275-300. ISSN: 00366549

C. Rafanelli, R. Roncuzzi, L. Finos, E. Tossani, E. Tomba, L. Mangelli, S. Urbinati, G. Pinelli, G. A. Fava (2003). Psychological Assessment in Cardiac Rehabilitation. Psychotherapy and Psychosomatics. 72. 343-349. ISSN 0033-3190

TEACHING EXPERIENCE

2015-2018: Teacher of Multidimensional Data Analysis (SSD secs-s/01), University of Padua.

2015-2018: Teacher of Statistics for psychology (SSD m-psi/03) at L4 course, University of Padua.

2015-2018: Teacher of Statistics for psychology (SSD m-psi/03) at L5 course, University of Padua.

2009-2015: Teacher of Ecological Sampling And Data Statistical Processing (SSD bio/07, secs-s/02), University of Padua.

2010-2014: Teacher of Classification And Multidimensional Data Analysis (SSD secs-s/01), University of Padua.

2009-2010: Teacher of Classification Methods (SSD secs-s/01), University of Padua.

2007-2009: Teacher of Statistics in Social Science (SSD secs-s/05), University of Rome "Tor Vergata".

2007-2008: Teacher of master in Biostatistics, University of Rome "Tor Vergata" (100 hours)

2006-2007: Teaching assistant of Statistics for Medicine PhD Students, Faculty of Medicine, University of Roma "Tor Vergata" (teacher: Prof. C. Rossi)

2004-2007: Teacher of Biometria II. Faculty of Sciences, University of Ferrara.

2005-2006: Teaching assistant of Nonparametric statistics, Faculty of Statistical Sciences, University of Padova (teacher: Prof. F. Pesarin)

2005-2006: Teaching assistant of Applied Statistics, Faculty of Sciences, University of Padova (teacher: Prof. F. Pesarin)

2004-2005: Teacher of BioStatistics for Biology PhD students (XX ciclo), University of di Ferrara.

2004-2005: Teaching assistant of Data Analysis, Faculty of Medicine, University of Ferrara (teacher: Prof. C. Bonifazzi)

2004-2005: Teaching assistant of Nonparametric statistics, Faculty of Statistical Sciences, University of Padova (teacher: Prof. F. Pesarin)

2004-2005: Teaching assistant of Applied Statistics, Faculty of Sciences, University of Padova (teacher: Prof. F. Pesarin)

2003-2004: Teacher of BioStatistics for Environmental Statistic PhD students (XVIII e XIX ciclo), University of Messina

2003-2004: Teacher of Data Analysis. Faculty of Medicine, University of Ferrara.

2003-2004: Teacher of Biometrics II. Faculty of Science, University of Ferrara.

2003-2004: Teaching assistant of Nonparametric statistics, Faculty of Statistical Sciences, University of Padova (teacher: Prof. F. Pesarin)

2003-2004: Teacher (16 h) for the summer school of Nonparametric Statistics (Referent prof. G. Vidotto)

2003-2004: Teaching assistant of Statistics, Bachelor course in Public Relations,

Free University IULM, (Prof. G. Vidotto).

ASN   National Academic Qualification as Associate Professor in the following Areas:
- Statistics (SSD secs-s/01)

- Psychometrics (SSD m-psi/03)

- Medical Statistics (SSD med/01)

GRANTS   Progetto di Ateneo (PRAT): "Developing cutting-edge statistical approaches to neuroimaging" (id CPDA158444/15), 24 months, role: Principal Investigator.

Progetto di Ateneo (PRAT): "Modern Bayesian and frequentist inference case studies in biostatistics", 24 months, research leader prof. L. Ventura, role: member of the unit.

European Project: RobotCub-Development of a cognitive humanoid cub (Project No. 004370), 24 months, role: post doc of the local unit (Prof L. Fadiga).

Fondi di ateneo ex-60%, role: principal investigator:
- ed.s 2009, 2010, 2011: Testing multiple structured hypotheses (code 60A15-7791/09, 60A15-9111/10, 60A15-4023/11)

- ed. 2012: Test multipli e intervalli di confidenza per numero/proporzione di falsi rifiuti (code 60A15-5032/12)

- ed. 2013: The automatic extraction of meaning from microbloging data (code CPDR133288/13)

- ed. 2014: Metodi di classificazione supervisionata e non supervisionata per dati di microblogging (code 60A15-9738/14)

COMPUTER SKILLS   Statistical Packages: R, S-plus, SPSS, SAS, Stata, Statistica, Minitab
Languages: R, Matlab, Visual Basic, c++ and php
Other software: LimeSurvey, LaTex, MicrosoftOffice (and OpenOffice)

Author/Contributor of the following packages for R:
flip
globaltest
someMTP
egonet.
Developer for Limesurvey - the open source survey application

MEMBERSHIPS   Member and Secretary of the Italian Region of the International Biometrical Society.

Founder and President of the no-profit association Rivista e Osservatorio Statistico per le Percezioni e le Opinioni (associazionerospo.org).

REVIEWER   The American Statistician, Annals of Statistics, Statistics in Medicine, Computational Statistics & Data Analysis, Communications in Statistics - Theory and Methods, Journal of Statistical Software, Statistical Applications Genetic and Molecular Biology, JASA, Statistics and Probability Letters, SMAP-JIS, Statistics and Computing, Bioinformatics