

Livio Finos

Curriculum Vitae

Department of Statistical Science
Padova NeuroScience Center
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Education and Positions

- 2023–now **Full Professor of Statistics (SSD secs-s/01)**, *Department of Statistical Science (stat.unipd.it)*, University of Padova.
- 2014–2022 **Associate Professor of Psychometrics (SSD m-psi/03)**, *Department of Developmental Psychology and Socialisation (dpss.unipd.it)*, University of Padova.
- 2008–2014 **Assistant Professor of Statistics (SSD secs-s/01)**, *Department of Statistical Sciences (stat.unipd.it)*, University of Padova.
- 2008–2009 **Researcher position**, *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**, *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**, *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**, *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 **Post doc Position**, *Dip.to di Scienze Statistiche, University of Padova.*
- 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)**, *Dip. Scienze Farmacologiche Applic, e, 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**, *Department of Statistics, University of Padua.*
- 2000 **Graduated in Scienze Statistiche, Demografiche ed Attuariali**, *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**, *Institut für Statistik und Decision Support Systems, Universität Wien, Wien, Austria.*

Languages

- Italian (mother tongue), English, German, Spanish

Attività istituzionale

Di carattere amministrativo

- 2021, 2022: Membro della Commissione Scientifica (Budget), presso il DPSS. Carica elettiva;
- 2019: Presidente Commissione per la Procedura selettiva 2018RUA10 - Allegato n. 3 per l'assunzione di n.1 posto di ricercatore a tempo determinato, presso il Dipartimento di Psicologia dello Sviluppo e della Socializzazione - DPSS, per il settore concorsuale 11/E1 - PSICOLOGIA GENERALE, PSICOBIOLOGIA E PSICOMETRIA (profilo: settore scientifico disciplinare M-PSI/03 - PSICOMETRIA). DR 2827 del 31/08/2018, G.U. n. 76 del 25/09/2018, IV serie speciale – Concorsi ed Esami
- 2019: Membro della Commissione di Ammissione al Dottorato in Neuroscienze, Università di Padova.
- 2018, 2019, 2020, 2021: Membro della Commissione Spazi e Laboratori, presso il DPSS;
- 2016-2017, 2017-2018, 2018-2019, 2019-2020, 2020-2021, 2021-2022: Membro della Gruppo di Auto-Valutazione (GAV), presso il Corso Triennale in Psicologia L4;
- 2011-2013: Membro della Giunta di Dipartimento presso il DSS;
- 2009-2010, 2010-2011, 2012-2013, 2013-2014: Presidente della Commissione Orario, presso il DSS;
- 2009-2010, 2010-2011, 2012-2013, 2013-2014: Membro della Commissione Biblioteca, presso il DSS;
- 2009-2010, 2010-2011, 2012-2013, 2013-2014, 2014-2015, 2015-2016, 2016-2017, 2017-2018, 2018-2019, 2019-2020, 2020-2021, 2021-2022: Responsabile del flusso Erasmus istituito con la Facoltà di Scienze della Leiden University (tre posti semestrali per studenti di laurea magistrale), presso il DSS;
- 2012, 2013: Membro della Commissione Sito Internet, presso il DSS.

Di carattere scientifico

- Responsabile della Winter-School "MRInference", Febbraio 2021 (vincitore di bando di ateneo)
- 2019: Membro della Commissione di Ammissione al Dottorato in Neuroscienze, Università di Padova.
- 2012-2016: Segretario della International Biometrical Society (IBS) - Italian Region.
- 2018, 2019, 2020, 2021, 2022: Membro del Consiglio di dottorato in Neuroscienze presso il Padova Neuroscience Center dell'Università di Padova.
- 2014, 2015, 2016, 2017: Membro del Consiglio di dottorato in Scienze Statistiche presso il DSS dell'Università di Padova.

Direzione o partecipazione alle attività di un gruppo di ricerca caratterizzato da collaborazioni a livello nazionale o internazionale

- Coordinamento del gruppo di ricerca "Selective Inference and Conditional resampling Methods". La collaborazione più proficua si è realizzata con il prof. J. J. Goeman (LUMC, Leiden, NL) con il quale vengono realizzati incontri di ricerca settimanali e reciproca ospitalità di dottorandi: LF ha ospitato presso il dipartimento di Scienze Statistiche il Dr Jesse Hemerik, il prof Goeman ha ospitato i seguenti dottorandi di LF: dott.ssa Angela Andreella, dott.ssa Anna Vesely, dott Riccardo De Santis. La collaborazione ha già prodotto numerose pubblicazioni [30, 46, 62, 58, 68, 69, 76, 75] e lavori in revisione in ambito metodologico e applicativo. In ambito metodologico i temi di ricerca riguardano principalmente i test multipli (selective inference e correzioni post-hoc) e i test di permutazione. Le applicazioni, inizialmente rivolte all'ambito genetico, ora si stanno orientando all'analisi di dati di neuroscienza.
- Coordinamento del gruppo di statistica e psicomетria (PsicoStat, <https://psicostat.dpss.psy.unipd.it/>) del Dipartimento di Psicologia dello Sviluppo e della Socializzazione. Tra le attività del gruppo è utile menzionare le due Winter school organizzate negli anni 2019 e 2021 e i seminari periodici. Oltre a ciò, il gruppo ha già pubblicato diversi articoli frutto della collaborazione tra i membri [25, 34].
- Coordinatore analisi statistiche del Gruppo di ricerca dei dr Farnè e Roy (INSERM, Lyon, F) su analisi di dati cinematici. Le pubblicazioni riguardano i processi neurali delle interazioni multisensoriali. La collaborazione ha portato a diverse pubblicazioni [martel2021body, 26, 36, 53, 51, 20, 26, 31] ed è tutt'ora in corso,
- Coordinatore analisi statistiche del gruppo di ricerca di Biologia Marina dell'Università di Padova. La collaborazione ha prodotto numerose pubblicazioni nelle quali il candidato ha speso e approfondito le proprie competenze in ambito Multidimensionale e Non Parametrico [43, 44, 41, 42, 57, 59, 65, 70, 71, 15, 19, 37]
- Membro del gruppo di ricerca del prof F. Pesarin. Le pubblicazioni riguardano principalmente i test di permutazione uni- e multi-dimensionali. La collaborazione, seguita alla formazione iniziale (laurea e dottorato di ricerca), ha portato alla pubblicazione di oltre una decina di articoli su riviste scientifiche internazionali [29,

79, 81, 82, 85, 86, 88, 91, 90, 66, 77].

- Responsabile analisi statistiche del gruppo di ricerca del prof. P. Brambilla, in particolare del dott. F. de Bertoldi. La collaborazione in ambito neuroscientifico ha visto la pubblicazione di alcuni articoli applicativi con alti contenuti metodologici e di articoli che presentano metodi statistici innovativi. La collaborazione è tutt'ora in corso e ha portato alla pubblicazione di diversi articoli [fabrello2021new, pigoni2021p, 55, 33, 27, 35, 40, 45, 49].

Organizzazione o partecipazione come relatore a convegni di carattere scientifico in Italia o all'estero

Invited talks presso Convegni e Centri di Ricerca

1. A general resampling-based framework for Selective Inference and Multiverse Analysis. 18th Conference of the Spanish Biometrics Society. Madrid, 25-27 May 2022
2. Flexible Inference in Multiverse Analysis. 13th (Virtual) Conference of the Italian Region of the International Biometric Society (IBS). 29th September 2021
3. Robust testing of generalized linear models by sign-flipping score contributions. Dipartimento di Scienze Statistiche - Università di Roma 'La Sapienza' - 6/11/20
4. Functional Alignment of fMRI exploiting prior information. Padova Neuroscience Center - University of Padova, 30/01/20
5. Robust testing of generalized linear models by sign-flipping score contributions. CM Statistics, London, UK - 14/12/19
6. Robust testing of generalized linear models by sign-flipping score contributions. Big Data Institute - Oxford - 11/12/19
7. All-Resolutions Inference for brain imaging Flexible Inference for fMRI Data. Padova Neuroscience Center - University of Padova, 07/02/19
8. Robust testing of generalized linear models by sign-flipping score contributions. Politecnico Milano - 7/11/17
9. Testing fixed effects in multivariate generalized linear mixed models. International Conference on Simultaneous Inference 2013. Hannover, Herrenhausen Campus, September 24-26, 2013
10. Test di Permutazione per Modelli Misti Multivariati. XVII Convegno Nazionale della Associazione Italiana Psicologia - Sezione Psicologia Sperimentale, Catania, 14-16 Settembre 2011.
11. k-FWER Controlling Procedures with Possibly Data-driven Order of Hypotheses (in collaborazione con A. Farcomeni). Biometrics Showcase in 6th International Biometric Society, East Mediterranean Region Conference. 8-12 Maggio 2011, Creta.
12. Method of multiple testing exploiting the genetical structure and its application to genome-wide data. Biostatistics seminars, Leiden University Medical Center, Leiden - NL, 11 Maggio 2010.
13. Multiple testing of spatially structured hypotheses. Gipsa-Lab, CNRS, Grenoble, 24 Giugno 2010
14. Verifica di ipotesi statistiche strutturate: applicazioni agli strumenti di valutazione e alle neuroscienze (in collaborazione con J.J. Goeman, A.P. Solari, A. Santona) Convegno APA 6th Ed.: Raccomandazioni statistiche, 24 febbraio 2010, Padova.
15. Multiple testing of hierarchically structured hypotheses by means of Inheritance Principle. IBMI - Ljubljana-SLO, 12 Ottobre 2009
16. Multivariate tests: from permutations to rotations. IX Congresso Nazionale della società Italiana di Biometria (SIB), 27-28 Giugno 2013
17. Molti p-value nella stessa analisi: necessità e metodi di correzione. Seminario 24 maggio 2013: Una statistica più consapevole per decisioni migliori - Giornata di metodologia e statistica per le scienze umane.
18. Testing fixed effects in multivariate generalized linear mixed models. International Conference - Simultaneous Inference 2013. Hannover, Herrenhausen Campus, September 24-26
19. L'in(ter)ferenza statistica nella sperimentazione clinica e tecnologica. Summer School - Incontriamo la Matematica, la Statistica e la Fisica. San Pellegrino Terme 4-6 Settembre 2013

Contributed talks

1. Improving the Functional Alignment of fMRI Data Using Spatial Brain Information, Organization for Human Brain Mapping - OHBM. 2020 Montreal Canada

2. Andreella, A., Feilong, M., Halchenko, Y., Haxby, J. V. L., and Finos, L. . A Statistical Approach to the Alignment of fMRI Data. SIS 2020 - 50a Riunione Scientifica della Società Italiana di Statistica, Pisa, 22-24 giugno 2020
3. A Statistical approach to the alignment of fMRI data (Joint work with Angela Andreella), 12th IBS-Italian Region conference, 7-10 July 2019, Naples, Italy
4. Sign-flipping score based confidence intervals for testing in generalized linear models (Joint work with Antonio Calcagni), 12th IBS-Italian Region conference, 7-10 July 2019, Naples, Italy
5. Bayesian Permutation Tests, 9th EMR and Italian Region of IBS conference, Thessaloniki, Greece at 8-12 May 2017
6. Permutation-based Score Tests. Nevsehir Haci Bektas Veli University, Turkey, May 11-15, 2015
7. A graphical approach to resampling based multiple testing procedures. INTERNATIONAL STATISTICS FESTIVAL: Recent Advances and Innovative Applications of nonparametric and multivariate methods. Salzburg. 13-15 July 2016
8. Conditional Multivariate Score Test in RNA-seq Data. JOINT MEETING of the International Biometric Society (IBS) Austro-Swiss and Italian Regions. Milano, June 15-19, 2015
9. Rotation-Based Multiple Testing in the Multivariate Linear Model . 7th meeting of the Eastern Mediterranean Region of the International Biometric Society (EMR-IBS), Crowne Plaza Hotel, Tel-Aviv, Israel, April 22-25, 2013.
10. The moderated t-tests and its moderated p-values. MCP - Conference 2013, Southampton, Luglio 2013
11. On zero-inflated permutation testing and some related problems. Convegno S.Co., Padova, September 19-21, 2011.
12. Test non parametrico per l'analisi di reti trofiche a base detrito in differenti contesti ambientali. Atti del convegno Nazionale S.It.E., Roma. 27-29 Settembre 2010. Convegno nazionale Società Italiana di Ecologia, Roma.
13. An FDR controlling procedure under general dependence. III IBS Channel Meeting - 11-13 Aprile 2011, Bordeaux - F.
14. A Permutation Test for Linear Mixed Models. Conferenza Satellite S.I.S. in onore di F. Pesarin. Padova 2010.
15. minPall: resampling-based multiple testing of graph-structured hypotheses. MuToss Conference Berlino, 15-16 Febbraio 2010.
16. k-FWER control without multiplicity correction, with application to detection of genetic determinants of multiple sclerosis in Italian twins. Statistical advances in Genome-scale Data Analysis - Workshop, Ascona 2009.
17. Multiple testing of hierarchically structured hypotheses. Second International Biometrical Society Channel Network Conference 2009. Gent, Belgium.

Organizzazione di convegni di carattere scientifico

1. Presidente del comitato organizzatore della Winter School "MRInference: from data to knowledge", Padova, 15-19 February 2021. <https://www.dpss.unipd.it/winter-school-2021/home>
2. Organizzatore della sessione sollecitata "Statistical Methods in Psychometrics" presso il convegno nazionale SIS (il convegno non si è tenuto).
3. Membro del comitato organizzatore della Winter-School "Beyond $p < .05$: Modern statistical approaches in psychological science", Febbraio 2019. <https://www.dpss.unipd.it/winterschool-2019>
4. Membro del comitato organizzatore di "Adaptive Designs and Multiple Testing Procedures Workshop - 2016", Padova, 28-29 Aprile 2016 <http://ag-admtp.github.io/>
5. Presidente del comitato organizzatore di "New Perspectives in Multiple Testing - 80 Years after Bonferroni", Padova, 09 Ottobre 2015 <http://www.liviofinos.net/research/80nferroni>
6. Membro del comitato organizzatore di "Stats under the Stars", Padova, Settembre 2015 (evento satellite alla riunione intermedia SIS) <http://sus.stat.unipd.it/> <http://sus.stat.unipd.it/>

Abilitazione Scientifica Nazionale

Statistica (SSD secs-s/01), Prima Fascia, 16/07/2019 – 16/07/2024.

Psicometria (SSD m-psi/03), Prima Fascia, 05/11/2019 – 05/11/2024.

Statistica (SSD secs-s/01), *Seconda Fascia*, 10-02-2014 – 10-02-2019.

Psicometria (SSD m-psi/03), *Seconda Fascia*, 25-02-2014 – 25-02-2019.

Statistica Medica (SSD med/01), *Seconda Fascia*, 21-01-2014 – 21-01-2019.

Grants

- Progetto SID 2021/23: "Flexible Inference in Multiverse Analysis", 12 months, role: Principal Investigator.
- Grant di Ateneo per l'organizzazione di Winter School: MRInference: from data to knowledge. 15-19 Febbraio 2021.
- 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 microblogging data (code CPDR133288/13)
 - ed. 2014: Metodi di classificazione supervisionata e non supervisionata per dati di microblogging (code 60A15-9738/14)
 - ed. 2015
 - ed. 2016
 - ed. 2017
 - ed. 2018
 - ed. 2019
 - ed. 2020
 - ed. 2021

Responsabilità di studi e ricerche scientifiche affidati da qualificate istituzioni pubbliche o private

- 2018-2019: Responsabile Scientifico di Assegno di Ricerca (12 mesi), dott. Anna Vesely
- Progetto SID 2021/23: "Flexible Inference in Multiverse Analysis", 12 months, role: Principal Investigator and Supervisor.
- Progetto di Ateneo (PRAT): "Developing cutting-edge statistical approaches to neuroimaging" (id CP-DA158444/15), 24 months, role: Principal Investigator.
- 2018-2019: Responsabile Scientifico di Assegno di Ricerca (12 mesi), dott. Sabrina Brigadoi
- 2012-2013: Responsabile Scientifico di Assegno di Ricerca (12 mesi), dott. Dario Basso
- Titolare di Borsa di Studio Post-Doc, Università di Padova; dal 01-01-2004 al 01-01-2005
- Titolare di Assegno di Ricerca 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); dal 01-01-2005 al 01-01-2007
- Titolare di Assegno di Ricerca del Biostatistics and Bioinformatics Center), University of Roma "Tor Vergata". Project Title: Multiplicity control in Neuroimaging data. Advisor: Prof. C. Rossi; dal 01-04-2007 al 01-04-2008
- Titolare di Assegno di Ricerca Biostatistics and Bioinformatics Center, University of Roma "Tor Vergata". Project Title: Drug's consumer profiles through use of ministerial data of years 1991-2006. Advisor: Prof. C. Rossi; dal 01-04-2008 al 01-09-2008
- Researcher position at Department of Medical Statistics and Bioinformatics (MSBI) at the Leiden University Medical Center (LUMC), Leiden, NL. Advisor: Prof. J. Goeman; dal 01-09-2008 al 01-09-2009
- Member of Bioinformatics Center of Expertise, Leiden University Medical Center (LUMC); dal 01-09-20

Conseguimento di premi e riconoscimenti per l'attività scientifica, inclusa l'affiliazione ad accademie di riconosciuto prestigio nel settore

- Secondo Classificato nel contest EVALITA 2020: SardiStance, HaSpeede2. Si veda anche la pubblicazione Ferraccioli, F., Sciandra, A., Da Pont, M., Girardi, P., Solari, D., Finos, L. (2020). TextWiller: SardiStance, HaSpeede2: Text or Con-text? A smart use of social network data in predicting polarization. Proceedings of the 7th Evaluation Campaign of Natural Language Processing and Speech Tools for Italian (EVALITA 2020). CEUR-WS. org.
- Vincitore del Biometrics Showcase del 6th International Biometric Society, East Mediterranean Region Conference. 8-12 Maggio 2011, Creta. Pubblicazione presentata: L. Finos, A. Farcomeni (2010) k-FWER Controlling Procedures with Possibly Data-driven Order of Hypotheses.
- Vincitore del 'Premio alla Ricerca 2010' (rivolto a dottorandi, assegnisti e ricercatori non confermati) del Dipartimento di Scienze Statistiche dell'Università di Padova.
- Segretario della Società Italiana di Biometria, dal 01-01-2012 al 31-12-2015
- Attualmente Socio regolare della Società Italiana di Statistica
- Attualmente Socio regolare della International Biometric Society
- Attualmente Socio regolare della Società Italiana di Statistica Applicata

Direzione o partecipazione a comitati editoriali di riviste, collane editoriali, enciclopedie e trattati di riconosciuto prestigio

- Editorial Board (Topic Editor): Symmetry https://www.mdpi.com/journal/symmetry/topic_editors
- Editorial Board (Consulting Editor for Statistics) in Journal of Affective Disorders (JAD) www.journals.elsevier.com/journal-of-affective-disorders
- Referee per le seguenti riviste: Annals of Statistics, Bioinformatics, Biometrical Journal, Communications in Statistics - Theory and Methods, Computational Statistics Data Analysis, Journal of Affective Disorders, Journal of Statistical Software, JASA, JAD, Statistical Applications Genetic and Molecular Biology, SMAP-JIS, Statistics, Statistics and Computing, Statistics and Probability Letters, Statistics in Medicine, The American Statistician

Risultati ottenuti nel trasferimento tecnologico in termini di partecipazione alla creazione di nuove imprese (spin off), sviluppo, impiego e commercializzazione di brevetti

- Fondatore e Vicepresidente dello Spin Off "Bee Viva" che ha raccolto e attivato la più grande community nazionale di datascientist. www.bee-viva.com, dal 01-01-2014

Specifiche esperienze professionali caratterizzate da attività di ricerca

- Organizzazione di Winter School: MRInference: from data to knowledge. 15-19 Febbraio 2021
- 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)
 - Autore e/o manutentore dei pacchetti:
 - R:
 - su CRAN: "acca", "flipscore", "flip", "someFWER", "someMTP",
 - su GitHub: "textWiller", "neuR", "SigmaPSi", "r41sqrt10"
 - Matlab: "NPCLib"

Supervisione (e co-supervisore) di tesi di dottorato

- 2020 – **Riccardo De Santis**, PhD program in Statistics, University of Padova.
- 2018 – 2021 **Anna Vesely**, PhD program in Statistics, University of Padova.
- 2018 – 2021 **Claudio Zandonella Callegher**, PhD program in Psychological Science, University of Padova.

- 2017 – 2020 **Angela Andreella**, *Challenges in Functional Magnetic Resonance Imaging (fMRI) Data Analysis: From Functional Alignment to Selective Inference*, PhD program in Statistics, University of Padova.
- 2016 – 2019 **Federico Ferraccioli**, *Nonparametric methods for complex spatial domains: density estimation and hypothesis testing*, PhD program in Statistics, University of Padova.
- 2015 – 2018 **Grzegorz Michal Kotkowski**, *Advanced Statistical Methods for Data Analysis in Particle Physics*, PhD program in Statistics, University of Padova.
- 2014 – 2018 **Jesse Hemerik**, *Permutation-based inference for high-dimensional data*, PhD program in Statistics, Leiden University Medical Center, NL.
- 2014 – 2017 **Ehsan Kharati-Koopaei**, *Classification Approaches in Neuro Science: A Geometrical Point of View*, PhD program in Statistics, University of Padova.

Supervisione (e co-supervisore) di tesi di laurea triennale e magistrale

- o sono oltre 100 gli studenti supervisionati in tesi Triennali
- o sono oltre 50 gli studenti supervisionati in tesi Magistrali

Formale attribuzione di incarichi di insegnamento o di ricerca (fellowship) presso qualificati atenei e istituti di ricerca esteri o sovranazionali Periodi di ricerca presso i seguenti qualificati istituti di ricerca esteri

- 06-03-2017 **Docente Titolare del corso di: "Data Mining" presso EuroStat, Luxembourg (16 ore).**
07-03-2017
- 21-01-2016 **Docente Titolare del corso di: "Data Mining" presso EuroStat, Luxembourg (16 ore).**
22-01-2016
- 01-09-2008 **Researcher presso Leiden University Medical Center, The Netherlands.**
01-09-2009
- 01-09-2008 **Membro del Bioinformatics Center of Expertise, Leiden University Medical Center, The Netherlands.**
01-09-2009
- Luglio 2016 **Medische Universitaet Wien- A: Prof Posch Martin and Dr F Klinglmueller.**
- Giugno 2010 **Gipsa-Lab, CNRS - F: Researcher M Congedo.**
- Maggio 2010 **Leiden Universtiy Medical Center, Leiden - NL: Prof J J Goeman.**
- Gennaio 2001 **Texas Tech University, Lubbock, TX Area of Information Systems and Quantitative Sciences, Advisor: Prof Peter Holm Westfall.**
Maggio 2001

Partecipazione al collegio dei docenti ovvero attribuzione di incarichi di insegnamento, nell'ambito di dottorati di ricerca accreditati dal Ministero

- 19-02-2018 – **Membro del consiglio di dottorato di NeuroScienze, Università di Padova.**
- 01-01-2014 **Membro del consiglio di dottorato di Scienze Statistiche, Università di Padova.**
18-02-2018
- 2021 – 2022 **Docente dell'insegnamento di "Multivariate Analysis", Dottorato di Statistica, Università di Padova, (20 ore).**
- 2020 – 2021 **Docente dell'insegnamento di "Multivariate Analysis", Dottorato di Statistica, Università di Padova, (20 ore).**
- 2021 – 2022 **Docente dell'insegnamento di "Advanced Statistics", Dottorato di Neuroscienze, Università di Padova, (16 ore).**
- 2020 – 2021 **Docente dell'insegnamento di "Advanced Statistics", Dottorato di Neuroscienze, Università di Padova, (16 ore).**

- 2019 – 2020 **Docente dell'insegnamento di "Advanced Statistics"**, *Dottorato di Neuroscienze*, Università di Padova, (16 ore).
- 2018 – 2019 **Docente dell'insegnamento di "Advanced Statistics"**, *Dottorato di Neuroscienze*, Università di Padova, (16 ore).
- 12-02-2007 **Docente dell'insegnamento di "Statistics for Medicine"**, *Dottorato di Medicina*, Università di Roma "Tor Vergata".
- 30-05-2007
- 20-05-2005 **Docente del corso "Metodi Statistici Non Parametrici"**, *dottorato di "Statistica e Risorse Ambientali" (XVIII e XIX ciclo)*, Università di Messina.
- 25-05-2005
- 01-04-2004 **Docente del corso di "Biostatistica" (24 ore)**, *dottorato di Biologia (XX ciclo)*, Università di Ferrara.
- 01-06-2004

Teaching Experience

- 2021–2022 **Applied Multivariate Techniques (20h)**, *PhD program in Statistics*, DSS, University of Padova..
- 2020–2021
- 2021–2022 **Advanced Statistics (16h)**, *PhD program in Neuroscience*, PNC, University of Padova..
- 2020–2021
- 2019–2020
- 2018–2019
- 2022–2023 **Teacher of Quantitative methods in neuroscience (SSD m-psi/03, 42h, 6CFU)**, *Master program in Statistics*, University of Padova.
- 2021–2022
- 2020–2021
- 2019–2020
- 2018–2019
- 2017–2018 **Teacher of Multidimensional Data Analysis (SSD secs-s/01, 42h, 6CFU)**, *University of Padova*.
- 2016–2017
- 2015–2016
- 2022–2023 **Teacher of Statistics for psychology (SSD m-psi/03, 42h, 6CFU)**, *Bachelor in Psychology L4*, University of Padova.
- 2021–2022
- 2020–2021
- 2019–2020
- 2018–2019
- 2017–2018
- 2016–2017
- 2015–2016
- 2022–2023 **Teacher of Statistics for psychology (SSD m-psi/03, 42h, 6CFU)**, *Bachelor in Psychology L5*, University of Padova.
- 2021–2022
- 2020–2021
- 2019–2020
- 2018–2019
- 2017–2018
- 2016–2017
- 2015–2016
- 2014–2015 **Teacher of Ecological Sampling And Data Statistical Processing (SSD bio/07, secs-s/02, 40h, 4CFU)**, *Master program in See Biology*, University of Padova.
- 2013–2014
- 2012–2013
- 2012–2013
- 2011–2012
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- 2013–2014 **Teacher of Classification And Multidimensional Data Analysis (SSD secs-s/01, 42h, 6CFU)**, *Bachelor program in Statistics, University of Padova*.
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- 2009–2010 **Teacher of Classification Methods (SSD secs-s/01, 56h, 8CFU)**, *Bachelor program in Statistics, University of Padova*.
- 2008–2009 **Teacher of Statistics in Social Science (SSD secs-s/05, 42h, 6CFU)**, *University of Roma*
- 2007–2008 *"Tor Vergata"*.
- 2007–2008 **Teacher of master in Biostatistics**, *University of Roma "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)*.
- 2006–2007 **Teacher of Biometria II (SSD secs-s/01, 42h, 6CFU)**, *Faculty of Sciences, University of Ferrara..*
- 2005–2006
- 2004–2005
- 2005–2006 **Teaching assistant of Nonparametric statistics**, *Faculty of Statistical Sciences, University of Padova (teacher: Prof. F. Pesarin)*.
- 2004–2005
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- 2005–2006 **Teaching assistant of Applied Statistics**, *Faculty of Sciences, University of Padova (teacher: Prof. F. Pesarin)*.
- 2004–2005
- 2004–2005 **Teacher of BioStatistics for Biology PhD students (XX ciclo)**, *University of Ferrara..*
- 2004–2005 **Teaching assistant of Data Analysis**, *Faculty of Medicine, University of Ferrara (teacher: Prof. C. Bonifazzi)*.
- 2003–2004
- 2003–2004 **Teacher of BioStatistics for Environmental Statistic PhD students (XVIII e XIX ciclo)**, *University of Messina*.
- 2003–2004 **Teacher (16 h) for the Summer School of Nonparametric Statistics**, *University of Bologna (Referent prof. G. Vidotto)*.
- 2003–2004 **Teaching assistant of Statistics**, *Bachelor course in Public Relations, Free University IULM, (Prof. G. Vidotto)*.

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