PhD in Statistics · Edinburgh, Scotland · **toliveira@abacusbio.com**

Thiago de Paula Oliveira ┃CV

❱ Statistical computing: R, Shiny, RStudio, Bash, Maple, SageMath, C++, blupf90

❱ Computational programs: Docker, LaTeX, Markdown, Office, GitHub, Inkscape

❱ Operational systems: Linux, Mac, Windows

❱ Languages: Portuguese (native), English

❱ Research web pages: ORCID, Plubons, Personal Webpage

❱❱❱ General Information

❱ Work Address: Easter Bush Campus, Midlothian EH25 9RG, Scotland

❱ E-mail Address: toliveira@abacusbio.com

❱ Nationality: Brazilian

❱❱❱ Summary

Enthusiastic **biostatistician** with ten years of academic experience and a passion for applied statistics to help people understand their data. Experienced professional in statistical modelling and experimental design, working in different areas such as agriculture, sports, and genetics. I have science production covering those areas with peer-reviewed papers and technical reports. In addition, exceptional analytical and communication skills were developed as a result of interaction with clients. For more information about me, please, visit my blog https://prof-thiagooliveira.netlify.app/.

❱❱❱ Education

2014 − 2018	PhD in Statistics	ESALQ/USP

❱ Title: Estimating the longitudinal concordance correlation through fixed effects and variance components of polynomial mixed-effects regression model
❱ Advisor: Dr. Silvio Sandoval Zocchi and Prof. John Hinde
❱ Department of Exact Sciences

2016	Visiting scholar − internship	NUI Galway

❱ Supervisor: Prof. John Hinde
❱ School of Mathematics, Statistics and Applied Mathematics
❱ Development of new methodology in Concordance Analysis

2012 − 2014	MSc in Statistics	ESALQ/USP

❱ Title: Mixed-effects models applied to hue peel color of papaya cv. Sunrise Solo measured by an scanner and colorimeter over time
❱ Advisor: Dr. Silvio Sandoval Zocchi
❱ Department of Exact Sciences

2007 − 2012	BSc in Agricultural Engineering	ESALQ/USP

❱ Title: Calibration of scanner methodology to evaluate 'Golden' papaya peel color.

❱ Advisor: Dr. Silvio Sandoval Zocchi

❱ Department of Exact Sciences

❱❱❱ Professional experience

| 2023-Actual | Consultant Statistician | AbacusBio |

❱ Selection index

❱ Quantitative genetics and genomics of plant and animal breeding

❱ Dashboard and docker development

| 2020-2023 | Researcher Fellow | University of Edinburgh |

❱ PI: Dr. Gregor Gorjanc

❱ Quantitative genetics and genomics of plant breeding

❱ The Roslin Institute

| 2020 | Postdoc in Biostatistics | NUI Galway |

❱ Supervisor: Prof. Dr. Carl Scarrott

❱ Early Detection of Secondary Waves of Covid-19 Infections

❱ School of Mathematics, Statistics & Applied Maths; and Insight Centre for Data Analytics

| 2020 | Postdoc in Biostatistics | NUI Galway |

❱ Supervisor: Prof. Dr. John Newell

❱ Aspire Academy research collaboration project

❱ School of Mathematics, Statistics & Applied Maths; and Insight Centre for Data Analytics

| 2019 | Postdoc in Biostatistics | NUI Galway |

❱ Supervisor: Prof. Dr. John Newell

❱ Statistical modeling for optimizing athlete performance

❱ School of Mathematics, Statistics & Applied Maths; Orreco; and Insight Centre for Data Analytics

| 2018-2019 | Postdoc in Statistics | ESALQ/USP |

❱ Advisor: Prof. Dr. Clarice Garcia Borges Demétrio

❱ Title: Estimation of the longitudinal concordance correlation function: The `lcc` package

❱ Department of Exact Sciences

| $2017-2019$ | Assistant Professor | ESALQ/USP |

❱ Statistics and Agricultural Experimentation

❱ Calculus I and II and Experimental Statistics

❱❱❱ Technical Skills

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❱ Statistics: High statistical awareness, focusing on statistical modelling and data analysis. I've worked with generalized linear mixed models, splines, longitudinal data, concordance analysis, state-space approach, pedigree and genomic-based models, graphical models, and non-linear models. I have experience with **classical and Bayesian views**.

❱ Genetics: Simulating **animal and plant breeding programmes** to test and compare new schemes or evaluate how to improve genetic mean and variance. Experience in helping breeders with statistical analysis of real data using software/packages like `blupf90`, `BGLR`, `JAGS`, and `STAN`.

❱ Sports: Theory and application of statistical methods to evaluate **athlete performance and clinical trials**.

❱ Agriculture: **Planning experimental designs**, analysis of entomologic and vegetable production data

❱ R Packages: Enthusiast in creating `R` packages or functions as a solution to standardize statistical analysis and delivery faster responses to clients. Some of public packages: `AlphaPart`, `AlphaSimR`, `lcc`.

❱ Dashboard: Skills in creating shiny dashboards as a solution for interactive data visualization and analysis for clients. Example of public shiny app I developed: COVID-19 prediction, Experiment Design.

❱ GitHub: Managing the Highlander Lab and AlphaGenes organizations. I handle repositories, actions, projects, teams, and pull requests.

❱ HPC Servers: Ability to work with **high-performance computers** at the University of Edinburgh to do statistical analysis.

❱❱❱ Publications

Table 1: Publications and indexes summary

Article	R Package	Abstract	Preprint	H-Index	Times Cited
10	3	16	4	7	107

Papers in Peer-Reviewed Journals

Article   **Oliveira, T.d.P.**; Obšteter, J.; Pocrnic, I.; Heslot, N.; Gorjanc, G. A method for partitioning trends in genetic mean and variance to understand breeding practices, **Genetics Selection Evolution**, 2023. DOI: https://doi.org/10.1186/s12711-023-00804-3

Article   Lara, L.A.d.C.; Pocrnic, I.; **Oliveira, T.d.P.**; Gaynor, C.; Gorjanc, G. Temporal and genomic analysis of additive genetic variance in breeding programmes, **Heredity**, 2021. DOI: 10.1038/s41437-021-00485-y

Article   **Oliveira, T.P.**; Buinvels, G; Pedlar, C.; Newell, J. Modelling menstrual cycle length in athletes using state-space models, **Scientific Reports**, 11, 2021. DOI: 10.1038/s41598-021-95960-1

Article   **Oliveira, T.P.**; Moral, R.A. Global Short-Term Forecasting of Covid-19 Cases, **Scientific Reports**, 2021. DOI: https://doi.org/10.1038/s41598-021-87230-x

Article   **Oliveira, T.P.**; Moral, R. A.; Zocchi, S. S.; Demetrio, C. G. B; Hinde, J. lcc: an R package to estimate the concordance correlation, Pearson correlation, and accuracy over time. **PeerJ**. Accepted for publication in August of 2020. DOI: 10.7717/peerj.9850

Article   Kleina, H. T.; Kudlawiec, K.; Esteves, M. B.; Daibó, M.; **Oliveira, T.P.**; Maluta, N.; Lopes, J. S.; Mio, L. M. Association of leaf morphology, vector settling and feeding behavior with resistence of plum genotypes to leaf scald disease. **Entomologia Experimentalis et Applicata**. Accepted for publication in August of 2020. DOI: 10.1007/s10658-020-02104-8

Article   Popin, G. V.; Santos, A. K. B.; **Oliveira, T.P.**; Camargo, P. B.; Cerri, C. E. P.; Siqueira-Neto; M. Sugarcane straw management for bioenergy: effects of global warming on greenhouse gas emissions and soil carbon storage. **Mitigation and Adaptation Strategies for Global Change**, 2019. Link: https://doi.org/10.1007/s11027-019-09880-7

Article   Esteves, M. B.; Kleina, H. T.; Sales, T. M.; **Oliveira, T.P.**; Lara, I. A. R.; Almeida, R. P. P.; Coletta-Filho, H. D.; Lopes, J. R. S. Transmission efficiency of *Xylella fastidiosa* subsp. *pauca* sequence types by sharpshooter vectors after *in vitro* acquisition. **The American Phytopathological Society**, v. 109, no.2, 2019. Link: https://doi.org/10.1094/PHYTO-07-18-0254-FI

Article   **Oliveira, T.P.**; Hinde, J.; Zocchi, S. S. Longitudinal Concordance Correlation Function Based on Variance Components: An Application in Fruit Color Analysis. **Journal of Agricultural, Biological, and Environmental Statistics**, v. 23, p. 233-254, 2018. Link: https://doi.org/10.1007/s13253-018-0321-1

Article   **Oliveira, T.P.**; Zocchi, S. S. ; Jacomino, A. P. Measuring color hue in 'Sunrise Solo' papaya using a flatbed scanner. **Revista Brasileira de Fruticultura**, v. 39, p. e-911, 2017. Link: http://dx.doi.org/10.1590/0100-29452017911

Software

R package   Gorjanc, Gregor; Obsteter, Jana; **Oliveira, T.P. Partition/Decomposition of Breeding Values by Paths of Information**, R package version 0.9.3, 2022. See also https://CRAN.R-project.org/package=AlphaPart

R package   Gaynor, C.; Gorjanc, G.; Hickey J.; Money D.; Wilson D.; **Oliveira, T.P. AlphaSimR: Breeding Program Simulations**, R package version 1.3.2, 2022. See also https://CRAN.R-project.org/package=AlphaSimR

R package   **Oliveira, T.P.**; Moral, R. A.; Hinde, J.; Zocchi, S. S.; Demetrio, C. G. B. **lcc: Longitudinal Concordance Correlation**, R package version 1.0.2, 2018. See also https://CRAN.R-project.org/package=lcc

Preprints

Preprint   Das, K; **Oliveira, T.d.P.**; Newell, J. Comparison of Markerless and Marker-based Motion Capture Systems using 95% Functional Limits of Agreement in a Linear Mixed-Effects Modelling Framework, **Research Square** , 2023.

Preprint   **Oliveira, T.d.P.**; Newell, J. A Hierarchical Approach for Evaluating Athlete Performance with an Application in Elite Basketball, **Research Square** , 2023.

Preprint   **Oliveira, T.d.P.**; Pocrnic, I; Gorjanc, G. Pedigree-based Animal Models Using Directed Acyclic Graphs, **Research Square** , 2023.

Preprint   Taniguti, C. T; Taniguti, L. M.; Amadeu, R. R.; Mollinari, M.; Pereira, G. S.; Riera-Lizarazu, O.; Lau, J.; Byrne, D.; Gesteira, G. S.; **Oliveira, T.d.P.**; Ferreira, G. C.; Garcia, A. A. F. Developing best practices for genotyping-by-sequencing analysis using linkage maps as benchmarks, **BioRxiv**, 2022. DOI: https://doi.org/10.1101/2022.11.24.517847

Proceedings

Abstract   **Oliveira, T.P.**; Tolhurst, D.; Pocrnic, I.; Gorjanc, G. Quantifying the Drivers of Genetic Change in Plant Breeding, **In: Eucarpia Biometrics in Plant Breeding Conference**, 2022

Extended abstract   **Oliveira, T.P.**; Obšteter, J.; Pocrnic, I.; Gorjanc, G. A method for partitioning trends in genetic mean and variance, **In: 36th edition of the IWSM conference**, 2022

Extended abstract   **Oliveira, T.P.**; Obšteter, J.; Pocrnic, I.; Gorjanc, G. A method for partitioning trends in genetic mean and variance to understand/improve breeding practices. **In: World Congress on Genetics Applied to Livestock and Production**, 2022

Extended abstract   Houaga, I; **Oliveira, T.P.**; Lavrenčič, E.; Banga, C.B.; Gorjanc, G. Spatial modelling in genetic evaluation of South African Holstein cattle population. **In: World Congress on Genetics Applied to Livestock and Production**, 2022

Extended abstract   Taniguti, C.H.; Taniguti, L.M.; Gesteira, G.S.; **Oliveira, T.P.**; Lau, J.; Ferreira, G.C.; Amadeu, R.R.; Byrne, D.; Riera-Lizarazu O.; Pereira, G.S.; Mollinari, M.; Garcia, A.F. Reads2Map: Practical and Reproducible Workflows to Build Linkage Maps from Sequencing Data. **In: Plant and Animal Genome XXIX Conference**, 2021

Extended abstract   **Oliveira, T.P.**; Moral, R.A.; Hinde, J.; Zocchi, S.S.; Demétrio, C.G.B. The longitudinal concordance correlation. **In: 34th International Workshop on Statistical Modelling**, 2019, Guimarães. Proceedings of the 34th International Workshop on Statistical Modelling, 2019. v. 2.

Abstract   Zocchi, S.S.; **Oliveira, T.P.** Propagação de Penicillium em laranja (Citrus cinensis): estimulando o aprendizado de cálculo. 1° Oficina para o desenvolvimento docente de 2017, "Novas abordagens de ensino - compartilhando experiências na ESALQ", 2017

Abstract   **Oliveira, T.P.**; Hinde, J.; Zocchi, S.S. Longitudinal Concordance correlation function based on variance components: an application in fruit color analysis. NUIG Statistics MiniSymposium, 2016.

Extended abstract   **Oliveira, T.P.**; Moral, R.A.; Hinde, J.; Demétrio, C.G.B.; Zocchi, S.S.; Zanardo, A.B.R.; Delalibera Jr., I. Generalized linear mixed models applied to overdispersed proportion data in a fungal occurrence study. **In: 30th International Workshop on Statistical Modelling**, 2015, Linz. Proceedings of the 30th International Workshop on Statistical Modelling, 2015. v. 2. p. 203-206.

Abstract   **Oliveira, T.P.**; Moral, R.A.; Hinde, J.; Demétrio, C.G.B.; Zocchi, S.S. Generalized linear mixed models: an application in fungal occurrence data. In: **60ª Reunião Anual da Região Brasileira da Sociedade Internacional de Biometria e 16° Simpósio de Estatística Aplicada à Experimentação Agronômica**, 2015, Presidente Prudente. Reunião Anual da Região Brasileira da Sociedade Internacional de Biometria, n. 60, Presidente Prudente, 2015. 172 p., 2015.

Abstract   **Oliveira, T.P.**; Zocchi, S.S. ; Ferreira, I. E.P. Mixed models for analysis of hue peel colour of papaya (Carica papaya L.) cv. Sunrise Solo, measured along time by means of a scanner and a colorimeter. In: XXVII International Biometric Conference, 2014, Florence, Italy. Proceedings of XXVII International Biometric Conference, 2014. v. 1.

Abstract   **Oliveira, T.P.**; Zocchi, S.S. Mixed models for analysis of hue peel color of papaya (Carica papaya L.) cv. 'Sunrise Solo', measured along time by means of a scanner and a colorimeter. I Workshop on Experimental Statistics e IV Encontro dos Alunos do PPG em Agronomia (Estatística e experimentação agrnômica), 2014.

Extended abstract   **Oliveira, T.P.**; Zocchi, S. S. . Análise de dados circulares com aplicação em tonalidade da cor de casca de mamão 'Sunrise Solo'. In: **58ª Reunião Anual da Região Brasileira da Sociedade Internacional de Biometria e 15° Simpósio de Estatística Aplicada à Esperimentação Agronômica**, 2013, Campina Grande. Anais..., 2013. p. 202.

Extended abstract   **Oliveira, T.P.**; Zocchi, S. S. Análise de dados circulares com aplicação em tonalidade da cor de casca de mamão 'Sunrise Solo'. In: **58ª Reunião Anual da Região Brasileira da Sociedade Internacional de Biometria e 15° Simpósio de Estatística Aplicada à Esperimentação Agronômica**, 2013, Campina Grande. Anais..., 2013. p. 202.

Abstract   **Oliveira, T.P.**; Zocchi, S. S. Modelos lineares de efeitos mistos: um estudo de caso. Encontro dos Alunos do Programa de Pós-Graduação em Estatística e e Experimentação Agronômica, 2013

Abstract   Camara, G. M. S.; **Oliveira, T.P.**; Navarro, B. L. ; Brigliadori, L. D. Crescimento e produtividade de soja em três arranjos espaciais. In: **VI Congresso Brasileiro de Soja**, 2012, Cuiabá-MT. Anais. Londrina-PR : Embrapa Soja, 2012. v. 1. p. 151-153.

Thesis

Thesis	**Oliveira, T.P.** Estimating the longitudinal concordance correlation through fixed effects and variance components of polynomial mixed-effects regression model. University of São Paulo, 2018
Thesis	**Oliveira, T.P.** Mixed-effects models applied to hue peel color of papaya cv. Sunrise Solo measured by an scanner and colorimeter over time. University of São Paulo, 2014

❯❯❯ Masters and PhD Examiners

2023	Santos, D. P.; Sermarini, R. A. Delineamentos ótimos para experimentos multi-ambientais de melhoramento genético de plantas. Thesis (Doctor's Degree in Statistics) – University of São Paulo, Piracicaba, Brazil.
2019	Nascimento, C.O.; Lara, I.A.R. Analysis of color peel of the papaya cv. Sunrise Solo through of the mixed linear regression model. Thesis (Master's Degree in Statistics) – University of São Paulo, Piracicaba, Brazil.
2022	Silva, G.P.; Moral, R. A. Frame by frame completion probability of an American football pass. Thesis (Master's Degree in Statistics) – University of São Paulo, Piracicaba, Brazil.

❯❯❯ Reviewer

REVIEW SUMMARY
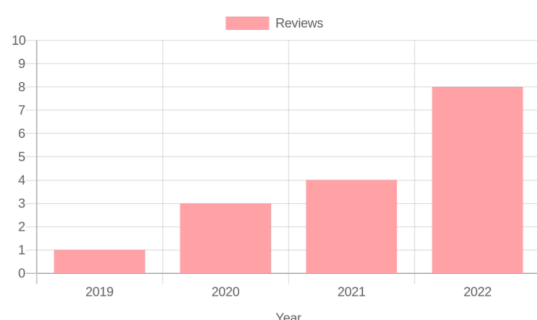
REVIEWER SUMMARY

(3) PeerJ	WOS
(2) The R Journal	WOS
(2) Plos One	WOS
(1) Brazilian Journal of Probability and Stat...	WOS
(1) Biocontrol Science and Technology	WOS

(3) International Journal of Sports Physiolo...	WOS
(2) The Plant Genome	WOS
(1) The Journal of Open Source Software	
(1) Biology Letters	WOS

❯❯❯ Awards

2020	Runner-up Poster on Young-ISA Twitter Poster Conference promoted by the Irish Statistical Association. Poster Title: Global short-term forecasting of Covid-19 cases. Authors: **Oliveira, T.P.**; Moral, R.A., July, 2020
2020	Marie Skłodowska-Curie COFUND Fellowship under the project "Quantitative genetics and genomics of plant breeding"
2010	Honorable Mention at the 18th USP International Symposium of Undergraduate Research, University of São Paulo.

❯❯❯ Extracurricular courses

2021	Workflows with Nextflow, University of Edinburgh (36h)
2021	Introduction to Bash Shell Scripting, Coursera Project Network (4h)
2021	World Meeting of the International Society for Bayesian Analysis (24h)
2021	Equality & Diversity Essentials (2h)

2021	UKRI-BBSRC Workshop on Computing in the Biosciences (6h)
2021	Challenging Unconscious Bias (1h)
2021	Genome-wide prediction of complex traits in humans, plants and animals (30h)
2020	Programming Fundamentals, Coursera, Duke University, USA. (32h)
2019	Survival Analysis in R. DataCamp, USA. (4h)
2019	Building Web Applications in R with Shiny: Case Studies Course. DataCamp, USA. (4h)
2019	Building Dashboards with shinydashboard. DataCamp, USA. (4h)
2019	Building Web Applications in R with Shiny. DataCamp, USA. (4h)
2019	Introduction to Python. DataCamp, USA. (4h)
2019	Statistical Modeling in R (Part 1). DataCamp, USA. (4h)
2019	Intermediate R. DataCamp, USA. (6h)
2019	Introduction to R. DataCamp, USA. (4h)
2018	Machine Learning Toolbox. DataCamp, USA. (4h)
2016	Longitudinal and Incomplete Data – USP (30h)
2015	Short curse on Regression Models – Coursera, MOOC, USA (36h)
2015	Short curse on Dimensionality Reduction – USP
2015	Additive Generalized Models with P-splines – RBras
2015	Exploring interactive graphical interfaces in R – RBras
2015	Exploring the Flexibility of Linear Mixed Models – RBras
2015	Special Topics in Multivariate Analysis – RBras
2014	Generalized Additive Models with P-splines – USP
2013	Short curse on Statistics: Making Sense of Data – Coursera, MOOC, USA
2013	Short curse on Mathematical Biostatistics Boot Camp – Coursera, MOOC, USA
2013	Introduction to Categorical Data Analysis – USP
2013	Structural Equations Models – USP
2013	Some Important Topics of Asymptotic Theory – USP

⟫⟫⟫ Event participation

2022	XVIIIth Eucarpia Biometrics in Plant Breeding Conference
2022	Plant & Animal Genome Conference 2023 (PAG 30)
2022	36th International Workshop on Statistical Modelling (IWSM)
2022	World Congress on Genetics Applied to Livestock Production (WCGALP)
2021	7th Summer Institute in Statistics for Big Data (SISBID)
2021	Genome-wide prediction of complex traits in humans, plants and animals
2021	Software Licensing Workshop
2020	71st Annual Meeting of European Federation of Animal Science (EAAP)
2020	Why R? 2020 conference organized remotely
2019	The Inaugural Young-ISA Meeting – Maynooth, Co. Kildare, Ireland
2019	34th meeting of the International Workshop on Statistical Modelling (IWSM) – Guimarães, Portugal.
2016	NUIG Statistics MiniSymposium. Longitudinal Concordance correlation function based on variance components: an application in fruit color analysis.
2015	30th meeting of the International Workshop on Statistical Modelling (IWSM) – Linz, Vienna.
2015	60th meeting of the Brazilian Region International Biometric Society (RBras) e 16° "Simpósio de Estatística Aplicada à Experimentação Agronômica" – Presidente Prudente, SP, Brazil
2015	How to Write for and Get Published in Scientific Journals – Piracicaba, SP, Brazil
2014	II Workshop on Longitudinal and Incomplete Data – Piracicaba, SP, Brazil
2014	I Workshop on Experimental Statistics e IV "Encontro dos Alunos do PPG em Agronomia" – Piracicaba, SP, Brazil
2013	58th meeting of the Brazilian Region International Biometric Society e 15° "Simpósio de Estatística Aplicada à Esperimentação Agronômica" – São Paulo, SP, Brazil
2012	57th meeting of the Brazilian Region International Biometric Society – Piracicaba, SP, Brazil
2011	19th meeting of the USP International Symposium of Undergraduate Research – Piracicaba, SP, Brazil
2010	18th meeting of the USP International Symposium of Undergraduate Research – Piracicaba, SP, Brazil

⟫⟫⟫ Teaching and Supervision

Taught Modules

2018	LCE0602 Experimental Statistics, University of São Paulo, Piracicaba, Brazil, *Agricultural Engineering programme*, August-December.

2018	LCE0220 Calculus II, University of São Paulo, Piracicaba, Brazil, *Agricultural Engineering programme*, August - December.
2018	LCE0120 Calculus I, University of São Paulo, Piracicaba, Brazil, *Agricultural Engineering programme*, August - December.
2018	LCE0120 Calculus I, University of São Paulo, Piracicaba, Brazil, *Agricultural Engineering programme*, February - June.
2018	LCE0220 Calculus II, University of São Paulo, Piracicaba, Brazil, *Agricultural Engineering programme*, February - June.
2018	LCE0130 Differential and Integral Calculus, University of São Paulo, Piracicaba, Brazil, *Food Science programme*, February - June.
2017	LCE0602 Experimental Statistics, University of São Paulo, Piracicaba, Brazil, *Agricultural Engineering programme*, August - December.
2017	LCE0120 Calculus II, University of São Paulo, Piracicaba, Brazil, *Agricultural Engineering programme*, August - December.

Taught Short Courses

2021	Visualization and Data Structure on Breeding Programme Modelling with AlphaSimR, University of Edinburgh, Scotland
2018	I Workshop on Introduction to Experimental Design, University of São Paulo, Piracicaba, Brazil

Teaching Assistance

2016	LCE0120 - Calculus I, University of São Paulo, Piracicaba, Brazil, taught by Dr. Silvio Sandoval Zocchi for undergraduate students of the Agricultural Engineering programme, 120h
2015	LLCE0220 Calculus II, University of São Paulo, Piracicaba, Brazil, taught by Prof. Idemauro Antonio Rodrigues de Lara for undergraduate students of the Agricultural Engineering programme, August-December, 120h
2015	LLCE0211 Statistics, University of São Paulo, Piracicaba, Brazil, taught by Dr. Silvio Sandoval Zocchi for undergraduate students of the Agricultural Engineering programme, February-June, 120h
2013	LLCE0220 Calculus II, University of São Paulo, Piracicaba, Brazil, taught by Prof. Idemauro Antonio Rodrigues de Lara for undergraduate students of the Agricultural Engineering programme, August-December, 120h
2013	LLCE0166 Calculus and Mathematics Applied to Food Sciences, University of São Paulo, Piracicaba, Brazil, taught by Dr. Silvio Sandoval Zocchi for undergraduate students of the Food Sciences programme, February-June, 120h

Volunteer experience

2016	Class tutor in Calculus at University of São Paulo – ESALQ/USP (5 months)
2015	Class tutor in Statistics at University of São Paulo – ESALQ/USP (5 months)

Supervision

| 2022 | Das, Kishor. Statistical Approaches for Method Comparison Studies involving Functional Responses with Applications in Elite Sports. National University of Ireland Galway, Galway, Ireland. **Supervisors**: Newell, J. and **Oliveira, T.P.** | PhD |

❯❯❯ Invited talks

2021	Modelling menstrual cycle length in athletes using state-space models. Statistical weekly meeting, Brazil
2020	Global Short-Term Forecasting of Covid-19 Cases. Webinar Series of the Young-ISA, Ireland
2020	Global Short-Term Forecasting of Covid-19 Cases. Workshop on Applied Statistics: Prediction models for COVID-19, Artificial Intelligence and Postgraduate Research during pandemic time. University of São Paulo, Brazil
2020	Estimating NBA athlete performance using hierarchical models, National University of Ireland Galway, Ireland, 21 April 2020
2019	Modelling athletes menstrual cycle length using state space models. NUI Galway, Ireland
2019	Modelling menstrual cycle length using state space models. The Inaugural Young-ISA Meeting – Maynooth, Ireland
2016	Longitudinal concondance correlation function based on variance components: an application in fruit color – NUI Galway

❯❯❯ Professional Websites

| Blog | https://prof-thiagooliveira.netlify.app | Link |
| GitHub | https://github.com/Prof-ThiagoOliveira | Link |

❯❯❯ Funding - Grants & Contracts

| 2020-2023 | TRAIN@Ed Fellow | Grant |

- ❯ Marie Skłodowska Curie COFUND fellowships
- ❯ PI: Gregor Gorjanc
- ❯ Quantifying the Drives of Genetic Change in Plant Breeding
- ❯ Project Funding: £70, 000

| 2020-2020 | Researcher in Biostatistics | Postdoctoral |

- ❯ Science Foundation Ireland
- ❯ PI: Prof. Carl Scarrott
- ❯ Project: Early Detection of Secondary Waves of Covid-19 Infections
- ❯ Project Funding: €32,618

| 2020-2020 | Researcher in Biostatistics | Postdoctoral |

- ❯ Science Foundation Ireland
- ❯ PI: Prof. John Newell
- ❯ Project: Aspire Academy research collaboration project
- ❯ Project Funding: €20,000

2019-2019	Researcher in Biostatistics	Postdoctoral

> ❱ Science Foundation Ireland
> ❱ PI: Prof. John Newell
> ❱ Project: Development of statistical model with application in athlete performance
> ❱ Project Funding: €12,417,097

2018-2019	Researcher in Statistics	Postdoctoral

> ❱ Coordination of Improvement of Higher Education Personnel
> ❱ PI: Prof^a. Clarice G. B. Demétrio
> ❱ Project: Estimation of Longitudinal Concordance Correlation Function: The lcc package
> ❱ Grants awarded: approximately £7,000

❱❱❱ Media and Impact

Blog posts

Post	Moral, R.A.; **Oliveira, T.P.**; Parnell, A. How hard is it to predict COVID-19 cases? 2020. URL: https://www.hamilton.ie/covid19/posts/2020-10-01-how-hard-to-predict-cases/
Post	**Oliveira, T.P.** Expressions in C++. 2020. URL: https://prof-thiagooliveira.netlify.app/post/expressions/
Post	**Oliveira, T.P.** Signed and Unsigned Binary Numbers. 2020. URL: https://prof-thiagooliveira.netlify.app/post/signed-and-unsigned-binary-numbers/
Post	**Oliveira, T.P.** The seven steps of a programer. 2020. URL: https://prof-thiagooliveira.netlify.app/post/the-seven-steps-of-a-programer/

❱❱❱ References

Dr. Gregor Gorjanc	University of Edinburgh

> ❱ Phone:
> ❱ Email: gregor.gorjanc@roslin.ed.ac.uk

Prof. Dr. Carl Scarrott	NUI Galway

> ❱ Phone: +64 3 3642587
> ❱ Email: carl.scarrott@canterbury.ac.nz

Prof. John Newell	NUIGalway

> ❱ Phone: +353 (0) 91 524411
> ❱ Email: john.newell@nuigalway.ie

Prof. John Hinde	NUIGalway

> ❱ Phone: +353 (0) 91 492043
> ❱ Email: john.hinde@nuigalway.ie

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