

Thaís Paiva Galletti

Assistant Professor of Statistics, Federal University of Minas Gerais (UFMG)

CONTACT INFORMATION	Av. Antônio Carlos, 6627, CEP: 31270-901 Department of Statistics, ICEX, UFMG Belo Horizonte, MG, Brazil	<i>e-mail:</i> thaispaiva@est.ufmg.br <i>site:</i> www.est.ufmg.br/~thaispaiva
RESEARCH INTERESTS	Applied Bayesian modelling, Imputation methods for Confidential and Missing data, and Spatial Statistics.	
EDUCATION	Duke University, Durham, NC, USA Ph.D., Statistical Science August 2010 to October 2014 <ul style="list-style-type: none">• Dissertation: <i>Multiple Imputation Methods for Nonignorable Nonresponse, Adaptive Survey Design, and Dissemination of Synthetic Geographies</i>• Advisor: Jerry Reiter Certificate in College Teaching January 2013 to October 2014 <ul style="list-style-type: none">• Program that offers formal pedagogical training for graduate students who aim to go on to a faculty career in higher education. The program requires coursework, teaching experience and observation, and an online teaching portfolio. UFMG - Universidade Federal de Minas Gerais, Belo Horizonte, MG, Brazil M.S., Statistical Science March 2009 to August 2010 <ul style="list-style-type: none">• Thesis: <i>Prospective space-time surveillance with geographical identification of the emerging cluster</i>• Advisor: Renato M. Assunção B.S., Actuarial Science March 2005 to December 2008	
TEACHING	UFMG - Universidade Federal de Minas Gerais, Belo Horizonte, MG, Brazil Instructor since March 2016 <ul style="list-style-type: none">• EST 047: Actuarial Mathematics I• EST 049: Actuarial Mathematics II• EST 051: Actuarial Practices• EST 052: Insurance Tariffing• EST 171: Computational Methods for Risk Analysis Teaching Assistant <ul style="list-style-type: none">• Statistical Inference (undergraduate course) August 2009 to December 2009 Duke University, Durham, NC, USA Instructor <ul style="list-style-type: none">• STA 111: Probability and Statistical Inference July 2013 to August 2013 Teaching Assistant <ul style="list-style-type: none">• STA 290: Bayesian and Modern Statistics January 2011 to May 2011• STA 723: Case Studies January 2013 to May 2013	

RESEARCH

UFMG - Universidade Federal de Minas Gerais, Belo Horizonte, MG, Brazil

Research Project Coordinator **since August 2016**

- Imputation of synthetic data using classification and regression trees
Participants: 1 master student
- Statistical methods for confidential data under differential privacy
- Simulation methods for synthetic geographical confidential data

Postdoctoral Scholar **November 2014 to February 2016**

- Research on inference of users' location based on social network data

Research Assistant **May 2006 to August 2010**

- Worked on the Spatial Statistics Lab (LESTE).
- Research with Prof. Renato Assunção on Prospective space-time surveillance methods.
- Consulting project on Actuarial Science for the Health Insurance Plan of the employees of the State of Minas Gerais.

Duke University, Durham, NC, USA

Research Assistant **August 2011 to October 2014**

- Research with Prof. Jerry Reiter on imputation methods for confidential and missing data.

STUDENTS

Masters Thesis Advisor

- Augusto Felix Marcolin, "*Statistical methods for confidential data under differential privacy*", 2018.
- Leticia Silva Nunes, "*Simulation methods for synthetic geographical confidential data*", 2018.
- Larissa Natany Almeida Martins, "*Imputation of synthetic data using classification and regression trees*", expected 2019.

Undergraduate Research Advisor

- Fernanda Buzza Alves Barros, 2018.

Masters Thesis Committee Member

- Gabriel Henrique Oliveira Assunção, 2017; Douglas Mateus da Silva, 2017 (co-advisor); Estevão Batista do Prado, 2016.

PUBLICATIONS

Thais Paiva and Jerome P. Reiter. Stop or continue data collection: A nonignorable missing data approach for continuous variables. *Journal of Official Statistics*, 33(3): 579 – 599, 2017. ISSN 2001-7367. doi:jos-2017-0028. URL <https://doi.org/10.1515/jos-2017-0028>.

Thais Paiva, Avishek Chakraborty, Jerry Reiter, and Alan Gelfand. Imputation of confidential data sets with spatial locations using disease mapping models. *Statistics in Medicine*, 33(11):1928–1945, 2014. ISSN 1097-0258. doi:10.1002/sim.6078. URL <http://dx.doi.org/10.1002/sim.6078>.

Thais Paiva, Renato Assunção, and Taynãna Simões. Prospective space–time surveillance with cumulative surfaces for geographical identification of the emerging cluster. *Computational Statistics*, 30(2):419–440, 2015. ISSN 0943-4062. doi:10.1007/s00180-014-0541-y. URL <http://dx.doi.org/10.1007/s00180-014-0541-y>.

Aline Piroutek, Renato Assunção, and Thais Paiva. Space–time prospective surveillance based on knox local statistics. *Statistics in Medicine*, 33(16):2758–2773, 2014. ISSN 1097-0258. doi:10.1002/sim.6118. URL <http://dx.doi.org/10.1002/sim.6118>.

Joseph T. Feldblum, Emily E. Wroblewski, Rebecca S. Rudicell, Beatrice H. Hahn, Thais Paiva, Mine Cetinkaya-Rundel, Anne E. Pusey, and Ian C. Gilby. Sexually coercive male chimpanzees sire more offspring. *Current Biology*, 24(23):2855 – 2860, 2014. ISSN 0960-9822. doi:10.1016/j.cub.2014.10.039. URL <http://dx.doi.org/10.1016/j.cub.2014.10.039>.

PRESENTATIONS

“Stop or Continue Data Collection: A Nonignorable Missing Data Approach for Continuous Variables”, Talk at the Workshop on Responsive and Adaptive Survey Design, March 2018, Washington, D.C., USA.

“Imputation of multivariate continuous data with nonignorable missingness”, Seminar at the Statistics Department at Universidade Federal de Minas Gerais, September 2017, Belo Horizonte, MG, Brazil.

“Statistical Methods for confidential data disclosure”, Talk at the CONE - Congresso de Estatística, June 2017, Belo Horizonte, MG, Brazil.

“Statistical Challenges in the era of Big Data”, Seminar at the Demography Department at Universidade Federal de Minas Gerais, March 2017, Belo Horizonte, MG, Brazil.

“Stop or Continue Data Collection: A Nonignorable Missing Data Approach for Continuous Variables”, Talk at the XIII EBEB - Brazilian Meeting on Bayesian Statistics, February 2016, Belo Horizonte, MG, Brazil.

“Imputation of Multivariate Continuous Data with Nonignorable Missingness”, Poster presentation at the 60th World Statistics Congress - ISI 2015, July 2015, Rio de Janeiro, RJ, Brazil.

“Imputation of multivariate continuous data with nonignorable missingness”, Seminar at the Statistics Department at Universidade Federal de Minas Gerais, April 2015, Belo Horizonte, MG, Brazil.

“Imputation of confidential data sets with spatial locations using disease mapping models”, Talk at the XIV EMR - Escola de Modelos de Regressão, March 2015, Campinas, SP, Brazil.

“Imputation of multivariate continuous data with nonignorable missingness”, Talk at the I Congresso Brasileiro de Jovens Pesquisadores em Matemática Pura e Aplicada, December 2014, São Paulo, SP, Brazil.

“Using imputation techniques to evaluate stopping rules in adaptive survey designs”, Center for Economic Studies (CES) Fall 2014 Seminar at the U.S. Census Bureau, September 2014, Washington, DC, USA.

“Imputation of Multivariate Continuous Data with Nonignorable Missingness”, Talk at the NCRN (NSF-Census Research Network) Spring Meeting, May 2014, Washington, DC, USA.

“Imputation of Multivariate Continuous Data with Nonignorable Missingness”, Poster presentation at the 1st Women in Statistics Conference, May 2014, Cary, NC, USA.

“Imputation of Confidential Datasets with Spatial Locations using Point Process Models”, Poster presentation at the Department of Statistical Science 25th Anniversary Conference, October 2012, Durham, NC, USA.

"Imputation of Confidential Datasets with Spatial Locations using Point Process Models", Talk at the International Conference on Advances in Interdisciplinary Statistics and Combinatorics (AISC) 2012, October 2012, Greensboro, NC, USA.

"Imputation of Confidential Datasets with Spatial Locations using Point Process Models", Poster presentation at the 2012 World Meeting of the International Society for Bayesian Analysis, June 2012, Kyoto, Japan.

"Imputation of Confidential Datasets with Spatial Locations using Point Process Models", Talk at the 2012 ENAR Spring Meeting, April 2012, Washington, DC, USA.

"Spatio-temporal analysis of burglaries of residences in Belo Horizonte", Poster presentation at the 8^o MGEst - Encontro Mineiro de Estatística, September 2009, Juiz de Fora, MG, Brazil.

"Spatio-temporal analysis of burglaries of residences in Belo Horizonte", Talk at the 18^o SINAPE - Simpósio Nacional de Probabilidade e Estatística, July 2008, Estância de São Pedro, SP, Brazil.

AWARDS

- Poster Award at the 1st Women in Statistics Conference, 2012.
- Co-Best Graduate Student Presentation at the International Conference on Advances in Interdisciplinary Statistics and Combinatorics (AISC), 2012.
- Young Researchers Travel Award, International Society for Bayesian Analysis, 2012.