

Pamela M Chiroque-Solano

PERSONAL DETAILS

Address Laboratório de Avaliação e
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ACADEMIC QUALIFICATIONS

Ph.D. in Statistics 2014-2018
Federal University of Rio de Janeiro, Brasil
Supervisor: Professor Helio Migon
Thesis Title: Joint modeling of longitudinal markers and survival data: an approach via dynamic hierarchical models

M.Sc. in Statistics 2012-2014
Federal University of Rio de Janeiro, Brasil
Supervisors: Professor Fernando Moura

B.Sc. in Statistics 1998-2002
National University Mayor de San Marcos, Perú

SUPPLEMENTARY EDUCATION

Ecology Curso de Extensão: Introdução à Ecologia dos Recifes Coralíneos.
UFRJ. Instituto de Biologia. Pós graduação em Ecologia Marinha.
2019

Statistics Curso de Extensão: An Introduction to data-driven modelling & Graph clustering.
Universidade de São Paulo. Instituto de Ciências Matemáticas e de Computação.
2017

Actuarial Science Minicurso: Financial Risk Management and Bayesian Statistics. Minas Gerais. Brasil
XIII Encontro Brasileiro de Estatística Bayesiana.
2016

Actuarial Science Curso de Extensão: Gestão de Seguros Patrimoniais. Rio de Janeiro, Brasil
Escola Nacional de Seguros.
2016

Management Curso/Taller: Proyectos de Inversión Pública. Lima, Perú
Universidad Nacional de San Marcos. Facultad de Economía.
2011

Management Curso/Taller: Gestión de Recursos Humanos en Organizaciones Eficientes. Lima, Perú
Universidad Nacional de San Marcos. Facultad de Economía.
2011

PROFESSIONAL EXPERIENCE

Post-Doctoral Research

Institute of Biology, Supervisor: Prof. Rodrigo Moura
2018-present

Federal University of Rio de Janeiro, Brasil

Lecturer

Graduate program of Statistics and Actuarial
2018-2019

Federal University of Rio de Janeiro, Brasil

Operations Manager

2010-2012

Kantar IBOPE Media Research

Operations Assistant

2007-2010

IBOPE

PUBLICATIONS

Delgado, C. A., Shimabuku, R. L., and **Pamela M. Chiroque-Solano** (2020). Covid-19 waves: Importance of accumulative mortality per million inhabitants. *The Tohoku Journal of Experimental Medicine*, 251(1):47–49.

Chiroque-Solano, P. and Migon, H. (2018). *Joint modeling of longitudinal markers and survival data: an approach via dynamic hierarchical models*. PhD thesis, Federal University of Rio de Janeiro.

Chiroque-Solano, R. and **Chiroque-Solano, Pamela** (2017). Visibilidad de la revista médica hereditaria. una revisión mediante google scholar. *Revista Medica Hereditaria*, 28(3):166.

Chiroque-Solano, P. and Moura, F. (2014). Modelo Hierárquico Robusto para o Risco Coletivo com sobredispersão. Master's thesis, Federal University of Rio de Janeiro.

Teixeira, C., **Chiroque-Solano, Pamela**, Ribeiro, F., Carlos-Júnior, L., Neves, L., Salomon, P., Salgado, L., Falsarella, L., Cardoso, G., Villela, L., Freitas, M., Moraes, F., and Moura, R. Decadal (2006-2018) dynamics of southwestern atlantic's largest turbid zone reefs. *Submitted*.

Moura, R., Abieri, M., Castro, G., Carlos-Júnior, L., **Chiroque-Solano, Pamela**, Fernandes, N., Teixeira, C., Ribeiro, F., Salomon, P., Freitas, M., Gonçalves, J., Neves, L., Hackradt, C., Felix-Hackradt, F., Rolim, F., Motta, F., Gadig, O., Pereira-Filho, G., and Bastos, A. Tropical rhodolith beds are a major and belittled reef fish habitat: Rhodolith beds as reef fish habitats. *Submitted*.

Leitão, R., Ribeiro, F., **Chiroque-Solano, Pamela**, Salomon, P., Teixeira, C., Magdalena, U., Villela, L., Bastos, A., Falsarella, L., Cardoso, G., Pereira-Filho, G., Salgado, L., and Moura, R. Interspecific variation in resilience after mass coral bleaching in southwestern atlantic turbid-zone reefs. *Submitted*.

Chiroque-Solano, P. and Fernando, M. Robust overdispersed collective risk model. *Submitted*.

Amorin, A., Ribeiro, F., **Chiroque-Solano, Pamela**, Salomon, P., Teixeira, C., Magdalena, U., Villela, L., Bastos, A., Falsarella, L., Cardoso, G., Pereira-Filho, G., Salgado, L., and Moura, R. Benthic assemblages associated to the reefs off the amazon mouth. *Submitted*.

TEACHING

Lecturer

Statistics for ecology; Statistical models for ecology; Bayesian Inference

Graduate program of Biology (UFRJ)

2018-March 2020

Lecturer

Graduate program of Statistics and Actuarial (UFRJ)

Undergraduated supervisor

Statistics I and II; Demographic; Statistics for biology

2018-2019

RESEARCH SUPERVISOR

Co-Supervisor

Graduate program of Applied Mathematics (UFRJ). João Paulo Pinto Siqueira.

Modelagem de taxa de crescimento de infecção via $AR(1)$ de espaço de estados, um caso particular.

2018-2019

Supervisor

Graduate program of Statistics and Actuarial (UFRJ). Mariana Soares Sá.

Modeling compositional data.

2020

Supervisor

Graduate program of Statistics and Actuarial (UFRJ). Larissa Maracajá.

Modeling multivariate environmental ocean data.

2020

EXAMINATION COMMITTEE

Undergraduate Dissertation

Graduate program of Biology - Marine Ecology (UFRJ). Daniela Chaves.

*Demographic trends of a long-lived coral (*Mussismilia braziliensis*) over a cross-shelf gradient.*

2019

Undergraduate Dissertation

Graduate program of Biology - Marine Ecology (UFRJ). Juliana Barboza.

Partitioning temporal Beta-diversity benthic reef community in Abrolhos, Brazil.

2019

AWARDS AND GRANTS

Congress Studentship

International Statistical Ecology Conference. Sydney, Australia. 2020

XIII Congreso Latino de sociedades de estadística (13 CLATSE). Guadalajara, Mexico. 2018

33 Foro Nacional de Estadística (33FNE). Guadalajara, Mexico. 2018

V Congreso Latinoamericano de Estadística Bayesiana. Guanajuato, Mexico. 2017

IV Congreso Latinoamericano de Estadística Bayesiana. Medellin, Colombia. 2015

PhD Studentship

Federal University of Rio de Janeiro, Brasil

CNPq and FAPERJ

2014-2018

MSc Studentship

Capes and FAPERJ

2012-2014

Federal University of Rio de Janeiro, Brasil

Amartya Sen Award: Human Development

Programa de formación en excelencia gerencial
PNUD: PROGRAMA DE LAS NACIONES UNIDAS PARA EL DESARROLLO

2010

Undergraduated Award

National University Mayor de San Marcos, Perú
The 1st. Best CR in Statistics over 2003-2007

2007

Medal of honor

Faculty of Matematical in the National University Mayor de San Marcos, Perú
The 1st. Best CR in Statistics over 2003-2007

2007

CODING AND HIGH PERFORMANCE COMPUTING

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|-------------------------|--------------|
| R | Advanced |
| BUGS, JAGS, Stan | Advanced |
| ShinyApp | Advanced |
| Markdown | Advanced |
| Python | Intermediary |
| ArcGis | Intermediary |

REFERENCES

Professor Fernando Moura

Professor of Statistics

Institute of Mathematics

Federal University of Rio de Janeiro, Rio de Janeiro, Brazil

fmoura@im.ufrj.br

Professor Rodrigo Leão de Moura

Professor of Ecology

Institute of Biology

Federal University of Rio de Janeiro, Rio de Janeiro, Brazil

moura.uesc@gmail.com