Pamela M Chiroque-Solano

PERSONAL DETAILS

Address	Laboratório de Avaliação e Monitoramento da Biodiversidade SAGE-COPPE-UFRJ Avenida Moniz Aragão, 360 - Bloco 2 Ilha do Fundão - Cidade Universitária Rio de Janeiro, Brazil, CEP: 21941594
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ACADEMIC QUALIFICATIONS

Posdoctoral in Ecological modelling
2018-2020

Federal University of Rio de Janeiro, Brasil

Supervisor: Professor Rodrigo Leão de Moura.

research Title: Hierarchy for Time-Dependent Quantile regression model to predict coral cover.[Link]

research Title: Modelo de efeitos variando no tempo para dados composicionais. [Link]

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.[Link to pdf]

Committee: Dani Gamerman, Thais Fonseca, Fábio Demarqui, Leonardo Soares Bastos

M.Sc. in Statistics
2012-2014

Federal University of Rio de Janeiro, Brasil

Supervisors: Professor Fernando Moura.

Title: Modelo Hierárquico Robusto para o Risco coletivo com sobredispersao.[Link to pdf]

Committee: Helio Migon, Carlos Abanto Valle, Leonardo Soares Bastos.

B.Sc. in Statistics
1998-2002

National University Mayor de San Marcos, Perú

CURRENT ACTIVITY

Postdoctoral in Oceanography
2020-2021

Federal University of Rio de Janeiro, Brasil. FAPERJ scholarship.

ProjectTitle: Programa de monitoramento da Biodiversidade aquática nas áreas dulcícola - Estuarina e marinha. Espíritu Santo. Rede Abrolhos.

SUPPLEMENTARY EDUCATION

NASA NASA's Applied Remote Sensing Training Program: Remote Sensing of Coastal Ecosystems.
2020

Geociências Curso de Extensão: Inteligência Artificial em Geociências.
Universidade de São Paulo. Instituto de Geociências.

2020

Ecology Curso de Extensão: Introdução à Ecologia dos Recifes Coralíneos.
Universidade Federal do Rio de Janeiro. 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: Projectos de Inversión Pública. Lima, Perú
Universidad Nacional de San Marcos. Facultad de Economia.
2011

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

PROFESSIONAL EXPERIENCE

Post-Doctoral Research in Oceanography Federal University of Rio de Janeiro, Brasil
FAPERJ-Scholarship
2020

Post-Doctoral Research in Ecological modelling Federal University of Rio de Janeiro, Brasil
Institute of Biology
2018-2020

Lecturer Federal University of Rio de Janeiro, Brasil
Graduate program of Statistics and Actuarial
2018-2019

Operations Manager Kantar IBOPE Media Research

2010-2012

Operations Assistent IBOPE

2007-2010

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, Pamela 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 herediana. una revisión mediante google scholar. *Revista Medica Herediana*, 28(3):166.

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

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

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., Carvalho, G. O., Salomon, P. S., Freitas, M. O., Malm, O., Kasper, D., Ferreira-Filho, V. J. M., Obino, A., Pontes, D., Silva, C. N., Parente, C. E. T., Louzada, T. S., Gonçalves, J. T., **Chiroque-Solano, Pamela**, M. H.-S., Braga, R. R., and Musiello-Fernandes., J. Paradise lost? trace elements in fisheries resources from a biodiversity hotspot in the southwestern atlantic. *Submitted.*

Moura, R., Abieri, M., Castro, G., Carlos-Júnior, L., and **Chiroque-Solano, Pamela**, Fernandes, N.-e. a. Tropical rhodolith beds are a major and belittled reef fish habitat: Rhodolith beds as reef fish habitats. *Scientific Reports.* **Awaiting Publication**.

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.*

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   Graduate program of Biology (UFRJ)
Statistics for ecology; Statistical models for ecology; Bayesian Inference
    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 Estatística Bayesiana. Guanajuato, Mexico. 2017

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

Posdoctoral reseach UFRJ, Brasil. Fundação de Amparo à Pesquisa do Estado do Rio de Janeiro
FAPERJ
    2021

Posdoctoral reseach   UFRJ, Brasil. Fundação Espírito-Santense de Tecnologia Fest
FEST
    2018-2020

PhD Studentship   Federal University of Rio de Janeiro, Brasil
CNPq and FAPERJ
    2014-2018

MSc Studentship   Federal University of Rio de Janeiro, Brasil
Capes and FAPERJ
    2012-2014

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

Google Earth Engine	Basic
R	Advanced
BUGS, JAGS, Stan	Advanced
ShinyApp	Advanced
Markdown	Advanced
Python	Intermediary
ArcGis	Intermediary

JOURNAL REVIEWER

Frontiersin
The Brazilian Journal of Epidemiology.

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

Professor Carlos A. Delgado. MD, PhD
Paediatrician Neonatologist – Third level paediatric hospital
Professor of Paediatrics – Universidad Nacional Mayor de San Marcos
Web: https://vrip.unmsm.edu.pe/neo/
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