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

Site   Link to personal webpage

E-Mail   pamela@dme.ufrj.br

Mobile   (+5521) 969900889

ACADEMIC QUALIFICATIONS

Post-Doctoral in Ecological modelling   2018-2020

Graduate program in Ecology. Institute of Biology - 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

Graduate program in Statistics. Institute of Mathematics - 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

Graduate program in Statistics. Institute of Mathematics - 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

Post-Doctoral in Oceanography   2020-2021

Marine Research Institute. Biotechnology Marine Department. 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

Moura, R. L., Abieri, M. L., Castro, G. M., Carlos-Júnior, L. A., **Chiroque-Solano, Pamela M.**, Fernandes, N. C., Teixeira, C. D., Ribeiro, F. V., Salomon, P. S., Freitas, M. O., Gonçalves, J. T., Neves, L. M., Hackradt, C. W., Felix-Hackradt, F., Rolim, F. A., Motta, F. S., Gadig, O. B. F.,

Pereira-Filho, G. H., and Bastos, A. C. (2021). Tropical rhodolith beds are a major and belittled reef fish habitat. *Nature:Scientific Reports*, 11(1):794.

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.*

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

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

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

PhD Studentship Federal University of Rio de Janeiro, Brasil
CNPq and FAPERJ - E-26/200.319/2016(220962)
2014-2018

MSc Studentship Federal University of Rio de Janeiro, Brasil
Capes and FAPERJ- E-26/100.402/2013(121366)
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

Frontiers Marine Science
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/
cdelgadob1@unmsm.edu.pe