



Erick Chacon Montalvan

PhD Candidate in Statistics and Epidemiology

- **Education:** **PhD in Statistics and Epidemiology**, Lancaster University. **MSc Statistics**, Lancaster University, *distinction*. **BSc in Engineering Statistics**, National University of Engineering (UNI), *A+*.
- **Employment:** **Package developer in R**, Peruvian Institute of Marine Research (IMARPE), 2014. **Research Assistant**, Research Institute for Development (IRD), 2013–2014.
- **Programming:** **R**, *advanced*. **C++**, *intermediate*. **Python**, *intermediate*.
- **Awards:** **Postgraduate Statistics Centre Prize of Excellence in Learning**, 2015. **Royal Statistical Society Student Prize**, 2015.

Education

- 2016–present **PhD in Statistics and Epidemiology**, *Lancaster University*, Lancaster - United Kingdom.
My research focusses on spatial and spatio-temporal methods for analyzing health and environmental data.
- 2014–2015 **MSc in Statistics**, *Lancaster University*, Lancaster - United Kingdom, **Distinction**.
Royal Statistical Society (RSS) accredited Master programme with relevant training on Statistical Inference, Bayesian Statistics and Computing Intensive Methods.
- 2013–2014 **Statistical Engineer**, *National University of Engineering*, Lima-Peru, **Dissertation Grade: 19/20**.
Degree obtained after dissertation, thesis conducted in collaboration with the Peruvian Institute of Marine Research (IMARPE) and the French Research Institute for Development (IRD).
- 2008–2012 **BSc with a major in Engineering Statistics**, *National University of Engineering*, Lima-Peru, **Placement: A+, top tenth, second place**.
This program comprises 5 years of training in mainstream statistical topics including statistical modelling and computational statistics.
- 2008–2009 **Training as an Analyst**, *Center of Information and Communications Technologies (CTIC-UNI)*, Lima, *212 hours of training as an Analyst*.
This program covered relevant topics like \LaTeX , Neural Networks, Parallel Computing, Image Processing, Geostatistics, Java, C/C++, Project Management and UML.

Experience

Work Experience

- 06/14–09/14 **Package Developer in R**, *Peruvian Institute of Marine Research*, Lima-Peru, **Four months**.
ImarpeTools Package: Tools for graphics and summary reports for IMARPE
- 01/13–05/14 **Research Assistant**, *French Research Institute for Development*, Lima-Peru, **A year and 5 months of experience**.
- Prediction of foraging areas for *Black Guillemots* on Cooper Island, Alaska. In collaboration with Friends of Cooper Island.
 - Prediction of sedimentary deposition environments based on bathymetrical, morphological and sedimentary characteristics in the Peruvian Continental Edge using techniques in spatial statistics. In collaboration with the Peruvian Institute of Marine Research.

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- 08/12–11/12 **Technical Consultant of Statistics**, *Technical Secretariat of the Transport Council of Lima and Callao (ST-CTLC)*, Lima-Peru, **Four months**.
- Analysis of the impact of vehicular inspections on traffic accident severity in Lima and Callao.
 - Market studies related to the supply and demand of services involved in the National System of Land Transportation.
- 05/12–07/12 **Technical Consultant of Statistics**, *General Management of Urban Transport - Provincial Municipality of Callao*, Callao-Peru, **Three months**.
- Identifying high risk areas for traffic accidents in the Callao District Jurisdiction according to criteria identified by the Ministry of Health.
- 03/11–03/12 **Statistical Engineering Assistant / Internship**, *Technical Secretariat of the Transport Council of Lima and Callao (ST-CTLC)*, Lima-Peru, **One year experience**.
- Support in database administration and statistical analyses of the transportation studies.
 - Statistical trainer of the Technical Group.
- Teaching**
- 03/18 **Tutoring**, *MSc in Statistics - Lancaster University*, Lancaster, **CHIC565: Environmental Epidemiology Module**.
- 03/16 **Tutoring**, *MSc in Statistics - Lancaster University*, Lancaster, **CHIC565: Environmental Epidemiology Module**.
- 15/09/14 **Lecturer**, *Peruvian Institute of Marine Research*, Lima, **Knitr: Dynamic Reports in R**.
- 17/07/14 **Lecturer**, *Peruvian Institute of Marine Research*, Lima, **Introduction to \LaTeX** .
- 10-24/03/14 **Lecturer**, *Peruvian Institute of Marine Research*, Lima, **Data Analysis in R**.
- 08/12–09/12 **Lecturer**, *Technical Secretariat of the Transport Council of Lima and Callao (ST-CTLC)*, Lima, **Statistics for Transportation Studies**.

Academic Awards

- 12/2015 **Awarded**, *Postgraduate Statistics Centre Prize of Excellence in Learning*, Postgraduate Statistics Centre - Lancaster University, Lancaster - UK.
For consistently demonstrate high-levels of learning and achievement in terms of general conduct, in-class contribution, coursework, exams and dissertation.
- 12/2015 **Awarded**, *Royal Statistical Society (RSS) Student Prize*, Royal Statistical Society, Lancaster - UK.
RSS prize for outstanding performance on an accredited MSc course.
- 03/2015 **Full Time Doctoral Research**, *Faculty of Health and Medicine Doctoral Scholarship*, Lancaster University, Lancaster - UK.
Scholarship to pursue full time doctoral research at Lancaster University to start on 2016.
- 08/2014 **International Master Scholar**, *Republic President Scholarship 20014-II*, PRONABEC (Peruvian Government), Lima - Peru.
Scholarship to pursue Masters Degree at Lancaster University.
- 09/2012 **First Place**, *Scientific Initiation Contest of the XIV National Congress of Statistical Students*, UNMSM, Lima - Peru.
Methodology for estimating process capability indices in non-normal data
- 07/2012 **First Place**, *Scientific Initiation Contest of the II Latin American Congress of Statistical Students*, Metropolitan Technological Institute, Medellin - Colombia.
Methodology for estimating process capability indices in non-normal data
- 07/2012 **First Place**, *Knowledge Contest of the II Latin American Congress of Statistical Students*, Metropolitan Technological Institute, Medellin - Colombia.

Publications

Chacon E., Romero V., Quispe L. Camero J. (2014). Methodology for estimating process capability indices in non-normal data, *Scientific-Technical magazine of the Research General Institute of the National University of Engineering*, 24(1):43-52.

Computer Skills

Advanced R, \LaTeX , Markdown, Matlab
Basic SAS, HTML, CSS

Intermediate C++, Python, Git, Bash, Neovim
Others Tmux, Hugo

Memberships and Extra Academic Activities

2014–2015 **Membership**, *Statistical Royal Society Member*.

2014–2017 **Volunteer**, *Translator from English to Spanish*, Coursera Global Translator Community.

2009 **Co-Organization**, *Scientific event for Statistics Day*, National University of Engineering, Lima - Peru.

Languages

Spanish	Fluent	<i>Native language</i>
English	Advanced, IELTS 6.5	<i>Read, written, spoken</i>
Portuguese	Basic-Intermediate	<i>Read, spoken</i>

Personal References

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Dr. Christopher Sherlock

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