

# Diego Andrés Pérez Ruiz

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## Education

PhD. in Statistics, **University of Manchester, School of Mathematics**, Manchester, UK.

*Expected degree September 2016.*

M.Sc. in Probability and Statistics, **Center for Mathematical Research (CIMAT)**, Guanajuato, Mexico.  
August 2011.

*Summer Session:* Palo Alto, CA Stanford University, Graduate Courses in Statistics, Summer 2009.

B.Sc. Applied Mathematics and Computer Science, **National Autonomous University of Mexico (UNAM)**, 2008.

*Thesis:* Mapping Time Series in Fractals

*Honors:* **Summa Cum Laude** and Gabino Barreda medal (given to the top student of each class).

High School Honors Diploma **Monterrey Institute of Technology and Higher Education (ITESM)**,  
2004.

*International Student Diploma*

## Fields of Interest

Functional Data Analysis, Optimization of data collection, Computational Statistics and Time Series.

## Work Experience

### *Google Summer of Code*

Google Summer of Code - R Developer, Developing an R Package, Summer 2014.

## Academic Experience

### *University of Manchester*

Teaching Assistant, Computational Statistics - Manchester University, 2014.

Teaching Assistant, Inferential Statistics - Manchester University, School of Mathematics, 2013.

Teaching Assistant, Introduction to Statistics - Manchester University, School of Mathematics, 2013.

### *International Business College Manchester*

Lecturer, Foundation Mathematics - IBC, Manchester, 2014.

Lecturer, Quantitative Methods - IBC, Manchester, 2014.

### *National Autonomous University of Mexico*

Teaching Assistant, Introduction to Financial Mathematics - National Autonomous University of Mexico, 2008, 2009.

Teaching Assistant, Introduction to Probability - National Autonomous University of Mexico, 2007, 2008.

## Professional Activities

### **Professional Affiliations**

Member of the International Society for Bayesian Analysis (ISBA).

Member of the Statistical Society of Australia (SSAI).

Member of the Royal Statistical Society (RSS).

Member of the American Statistical Society (ASA).

**Conferences and workshops attended:**

Cornell Summer School, 9th Cornell Probability Summer School, Cornell University, Ithaca. July, 2013.

SMI Summer School, Scuola Matematica Interuniversitaria, Perugia, Italy. August, 2011.

AARMS Summer School, Memorial University of Newfoundland, St. Jhon's, Canada. June, 2011.

Risk Analysis in Economics and Finance, CIMAT Guanajuato, Mexico, February, 2011.

Workshop in Risk and Extreme Values and its applications in Environmental Sciences, CIMAT Guanajuato, Mexico, January, 2011.

XLIII National Congress of Mexican Mathematical Society (SMM), Tuxtla Gutiérrez, Chiapas, Mexico, November, 2010.

Actuarial Risk, CIMAT Guanajuato, Mexico, September, 2010.

XVIII National School in Optimization and Numerical Analysis, University of Puebla, Mexico, April, 2009.

XIX National School in Optimization and Numerical Analysis, University of Puebla, Mexico, March, 2009.

X School in Probability and Statistics, CIMAT Guanajuato, Mexico, March, 2009.

School in Geometry and Dynamical Systems, CIMAT Guanajuato, Mexico, August, 2008.

V Summer School in Mathematics, UNAM Cuernavaca, Mexico, August, 2008.

2nd School in Modelling and Numerical Methods, CIMAT Guanajuato, Mexico, June, 2008.

1st Mexico - Canada Statistics Meeting, CIMAT, Guanajuato, Mexico February, 2008.

Seventh Americas School in Differential Equations and Nonlinear Analysis, Cartagena, Colombia, July, 2007.

XVI National Congress of the Colombian Society, Medellin, Colombia, July, 2007.

II School in Applied Mathematics, University of Morelos, Mexico, June, 2007.

1st School in Modelling and Numerical Methods, CIMAT Guanajuato, Mexico, June, 2007.

International Congress of the Mathematicians, Madrid, Spain, August, 2006.

VII Summer School in Mathematics, UNAM Morelia, Mexico, June, 2006.

## Research

### *Research*

#### **Papers**

Christen, Fox, Pérez-Ruiz and Santa-Cibrian *On optimal direction gibbs sampling*, 2012.  
<http://arxiv.org/pdf/1205.4062.pdf>

#### **Popularization**

Pérez-Ruiz, Diego Andres *Los Fractales: Un tema matemático de actualidad*, AenE Publicación con Sentido, México, 2011. <http://www.aene.mx/>

## Community Service

*Volunteer* RSS - Statistics for Journalist.

*Volunteer* RSS - Science for Journalist.

## Computer Skills

*Languages*: C, C++, R, Matlab, Python and  $\text{\LaTeX}$ .

*Operating systems*: Linux, Windows.

*Scientific software*: Mathematica, Minitab, SAS, Maple, Matlab.

## Languages

English (fluent), Spanish (native), Italian (fluent).