

Curriculum Vitae

Personal information

Surname(s) / First name(s)

Address(es)

Email(s)

Nationality(-ies)

Moreno Prieto, Monica Rocio

751 General Services Building, University of Alberta
Edmonton, AB T6G 2H1
Canada

mmoreno@ualberta.ca

Colombian

Education

2006–2011

PhD in Statistics, University of Alberta, Edmonton, Canada.

2002–2004

Master of Science, Industrial Engineering, University of Los Andes, Bogota, Colombia.

1996–2001

Bachelor of Science Industrial Engineering, University of Los Andes, Bogota, Colombia.

Research interests

Hierarchical models

Markov Chain Monte Carlo methods

Occupancy estimation under detection error

Spatial data

Generalized Linear Mixed Models

Experience

June 2011 – current

Postdoctoral fellow, Renewable Resources Department, University of Alberta, Edmonton, AB, Canada.

January 2006 – May 2011

Teaching assistant, Mathematical and Statistical Sciences, University of Alberta, Edmonton, AB, Canada. Courses: STAT151, STAT235.

June 2009 – June 2010

Coordinator and Consultant, Training Consulting Center, Mathematical and Statistical Sciences, University of Alberta, Edmonton, AB, Canada.

January 2004 – December 2005

Instructor, Industrial Engineering Department, Los Andes University, Bogota, Colombia. Taught courses: Probability, Statistics, Statistical Process Control and Simulation.

January 2002 – December 2003

Teaching Assistant, Industrial Engineering Department, Los Andes University, Bogota, Colombia. Courses: Probability and Statistics

Research Experience

July 2005 – August 2005

Analytic report of Results ECAES (exam of qualification of graduate students) 2004, Academic Program: Industrial Engineering. ICFES – (Colombian Institute for the Foment of Superior Education), Bogota, Colombia.

December 2004 – December 2005	Competitiveness of the communications media of El Tiempo: Bases for the design of a strategy of sales focused to the commercial sector of Bogotá. Director: Gonzalo Torres – Associated Chair of the Faculty of Engineering of Los Andes University, Bogota, Colombia.
December 2004 – December 2005	Design of a marketing strategy for reaching the composition intended in the population of students registered to the undergraduate programs in the Engineering Department of Andes University. Director: Gonzalo Torres – Associated Chair of Faculty of Engineering of Los Andes University, Bogotá, Colombia.
February 2003 – June 2003	Demand projection study for ETB (Telephone Company of Bogotá). Director: Gonzalo Torres – Associated Chair of the Faculty of Engineering of Los Andes University, Bogotá, Colombia.
January 2003 – June 2003	Study of risks in the supplied of VNG (Vehicular Natural Gas), and in the maintenance, repair and reinstatement of cylinders of GLP. Director: Jose Ignacio Huertas – Professor of Mechanical Engineering of Tecnológico de Monterrey, Toluca, Mexico.
August 2002 – December 2002	Opportunities inside the chain of provision for the transportation of load. Director: Gonzalo Torres – Associated Chair of the Department of Industrial Engineering of Andes University, Bogota, Colombia.
January 2002 – December 2003	Programs of reinstatement with cylinders size change of LPG: Advising for the diagnosis of the implications in the productive processes of cylinders and, diagnosis of the general state of the set in circulation. Director: Jose Ignacio Huertas – Professor of Mechanical Engineering of Tecnológico de Monterrey, Toluca, Mexico.
June 2002 – July 2002	Estimation of the reference costs for the manufacture and maintenance of the cylinder used in the domiciliary distributions of LPG. Director: Jose Ignacio Huertas – Professor of Mechanical Engineering of Tecnológico de Monterrey, Toluca, Mexico.
Languages	
Mother tongue(s)	Spanish
Other	English
Computer skills	
Scientific	Matlab, R, SPSS, SAS
Web design	XHTML

Publications

References

- [1]Moreno, M. (2011) Site Occupancy Models. PhD Thesis. Department of Mathematical and Statistical Sciences. University of Alberta.
- [2]Lele, S.R., Moreno, M. and Bayne, E. (2012) Dealing with detection error in site occupancy surveys: What can we do with a single survey? (Invited paper) Journal of Plant Ecology 5: 22-31.
- [3] Moreno Monica and Lele Subhash. Improved estimation of site occupancy using penalized likelihood. Ecology 91: 341- 346.
- [4]Esquema de incentivos para el programa de reposición de cilindros utilizados en la distribución domiciliaria de GLP. Tesis Maestría en Ingeniería Industrial. Universidad de los Andes. Marzo 2004.
- [5]Implementación de control estadístico de proceso en una industria gráfica. Tesis pregrado Ingeniería Industrial. Universidad de los Andes. Diciembre 2001.

Conferences

- [1] Moreno Monica. Case Studies 1: Handling Item Nonresponse in Surveys. Joint Meeting of the Statistical Society of Canada and the Société Française de Statistique. May 25-29 2008
- [2]Moreno Monica and Lele Subhash. Improving the site occupancy estimation by means of the Penalized Likelihood. 28th Annual Meeting of the Society of Canadian Ornithologists/Société des Ornithologistes du Canada. 20-23 August, 2009
- [3]Risk assessment study of domiciliary LPG distribution by portable cylinders. ASME International Mechanical Engineering Congress and Exposition. November 5 - 11, 2005, Orlando - Florida, USA
- [4]Risk assessment study of domiciliary LPG distribution by portable cylinders. 35° Congreso de Investigación y Desarrollo Tecnológico del ITESM 2005. January 17, 2006, Monterrey - Mexico

Awards

Best consultant of the year 2010. Training Consulting Center, Department of Mathematical and Statistical Sciences. University of Alberta, Edmonton, Canada.