

## ADRIANA PEREZ

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### PROFESSIONAL EXPERIENCE

- Associate Professor**      **University of Texas School of Public Health**      **Austin, USA**  
Division of Biostatistics. July 2009 to present. Full time. Teaching graduate courses for Master and doctoral programs in Biostatistics and Public Health. Participates in methodological and collaborative research as well as service at different professional levels.
- Associate Professor**      **University of Louisville Health Science Center**      **Louisville, USA**  
School of Public Health and Information Sciences. Department of Biostatistics and Bioinformatics. November 2007 to June 2009. Full time.
- Assistant Professor**      **University of Texas School of Public Health**      **Brownsville, USA**  
Division of Biostatistics. October 2001 to Nov 2007. Full time.
- Associate Professor**      **Pontificia Universidad Javeriana**      **Bogotá, Colombia**  
School of Medicine. Clinical Epidemiology and Biostatistics Unit. August 1992 to September 2003. Full time.
- Assistant Professor**      **National University of Colombia**      **Bogotá, Colombia**  
School of Sciences. Department of Statistics, December 1996- August 2001. Part-time.
- Instructor**      **Louisiana State University Medical Center**      **New Orleans, USA**  
Department of Pathology. Section of Epidemiology. September 1993-May 1995. Full time.
- Statistician**      **National Administrative Department of Statistics**      **Bogotá, Colombia**  
This institution is equivalent to the Census Bureau in the USA. January 1991-July 1992. Full time.

### EDUCATION

- Ph.D.**      Biostatistics, New Orleans, Tulane University, 1995  
**M.Sc.**      Biostatistics, New Orleans, Tulane University, 1994  
**B.Sc.**      Statistics, Bogotá, National University of Colombia, 1991

### CONTINUING EDUCATION

- August, 2009**      **Joint the American Statistical Association Meeting 2009.** Continuing education course in Missing data in longitudinal studies: strategies for Bayesian modeling and sensitivity analyses, Washington, DC. USA.

## CONTINUING EDUCATION (Continuation)

Jan, 2009	<b>Delphi Center for Teaching and Learning</b> , University of Louisville. Continuing education course in Current Brain Research about Learning. Louisville, KY, USA.
Nov, 2008	<b>Delphi Center for Teaching and Learning</b> , University of Louisville. Continuing education course in Tegrity System and Podcasting Basics. Louisville, KY, USA.
Oct, 2008	<b>CDART Workshop on Statistical Methods in Drug Abuse and Health-Related Research</b> , University of Kentucky, Lexington, KY, USA.
Sep, 2008	<b>FDA annual conference</b> . Continuing education course in Monitoring of clinical Trials, Washington, DC. USA.
Sep, 2008	<b>Delphi Center for Teaching and Learning</b> , University of Louisville. Continuing education course in iTunes University. Louisville, KY, USA.
Aug, 2008	<b>Delphi Center for Teaching and Learning</b> , University of Louisville. Continuing education course in Incorporating Digital Media into Your Curriculum, Louisville, KY, USA.
Mar, 2008	<b>Eastern North American Region (ENAR) International Biometry Society</b> , Continuing education course in Measurement Error Models, Washington, DC. USA.
Jan, 2008	<b>Delphi Center for Teaching and Learning</b> , University of Louisville. Continuing education course in Improving Your Online Course Using the Quality Matters Rubric, Louisville, KY, USA.
July, 2007	<b>Joint the American Statistical Association Meeting 2007</b> . Continuing education course in Multiple Comparisons and Multiple Tests, Salt Lake City, UT. USA.
July, 2007	<b>Joint the American Statistical Association Meeting 2007</b> . Continuing education course in Monitoring Clinical Trials: A unified approach, Salt Lake City, UT. USA.
Oct, 2006	<b>The University of Texas Health Science Center at Houston</b> . Continuing education course in Health and Bio-safety Training course, Brownsville, TX. USA.
Aug, 2006	<b>Joint the American Statistical Association Meeting 2006</b> . Continuing education course in Models for Discrete Repeated Measures, Seattle, WA. USA.
Aug, 2005	<b>Joint the American Statistical Association Meeting 2005</b> . Continuing education course in Practical Meta-Analysis. Minneapolis, MN, USA.
Feb, 2005	<b>The University of Alabama at Birmingham</b> . Annual Meeting of the Southern Society for Clinical Investigation (SSCI). Two-day short course in "Frontiers in Statistical Genetics" for NIAMS Researchers, New Orleans, LA February 23-24, 2005.
Aug, 2004	<b>Joint the American Statistical Association Meeting 2004</b> . Continuing education course in GLMM and GEE Methods for Correlated Data in S-Plus. Toronto, ON, Canada.
Aug, 2002	<b>Joint the American Statistical Association Meeting 2002</b> . Continuing education course in Applied Spatial Statistics. New York, NY, USA.
July 2002	<b>The University of Texas Health Science Center at Houston</b> . School of Public Health. Summer Faculty Teaching Institute. Student-Centered Learning. Houston, TX, USA.

## CONTINUING EDUCATION (Continuation)

<b>Jul, 2000</b>	<b>International Biometrics Conference.</b> Continuing Education courses in "Group Sequential Design and Interim Monitoring of Clinical Trials, Statistical Methodology and Computation" and Analysis of Data from Longitudinal Studies- Current Topics". San Francisco, CA, USA.
<b>Mar, 2000</b>	<b>University of North Carolina at Chapel Hill and the Christian Medical College.</b> Workshop on Multicenter Studies. Vellore. India.
<b>Mar, 1999</b>	<b>INCLEN XVI.</b> Continuing Education course in "Imputation Procedures for Missing Data". Bangkok Thailand.
<b>Sep 1998</b>	<b>American Statistical Association.</b> Continuing education course in Multiple Imputation for Missing Data. Alexandria, VA, USA.
<b>Jul 1998</b>	<b>13<sup>th</sup> International Workshop on Statistical Modeling.</b> Continuing education workshop on statistical modeling. New Orleans, LA, USA.
<b>Jan, 1997</b>	<b>Pontificia Universidad Javeriana.</b> Continuing Education Course: Principles and Applications of Continuous Quality Improvement. Bogotá, Colombia.
<b>Dec, 1996</b>	<b>Universidad Nacional de Colombia.</b> Continuing Education Course: Collection and analysis of longitudinal data. Bogotá, Colombia.
<b>Jul, 1996</b>	<b>Free University.</b> Continuing Education Course: Sample Size Determination in Efficacy and Equivalence Trials. Amsterdam, The Netherlands
<b>Nov, 1995</b>	<b>Pontificia Universidad Javeriana and University of North Carolina at Chapel Hill.</b> Continuing Education course: Study Conduct Methods. Bogotá, Colombia.

## HONORS AND AWARDS INFORMATION

- 2007 Nominated to the John P. McGovern Award for Outstanding Teaching. The University of Texas Health Science Center at Houston, School of Public Health. Division of Biostatistics.
- 2007 Rio Grande Valley. Science and Engineering Fair, certificate of appreciation from this organization in recognition of valuable contributions to the success of the Rio Grande valley regional science and engineering fair. Brownsville, TX.
- 2005 "Young Investigators Appreciation Luncheon" honoring the research achievements of the university's junior's faculty. Houston, TX. Honor given by the University of Texas Health Science Center at Houston. Available information at: <http://www.uthouston.edu/distinctions/archive/2005/November/missing.html>
- 2005 The University of Texas at Brownsville and Texas Southmost College, certificate of appreciation from this organization for mentoring students presentations of research at the 7<sup>th</sup> Annual research symposium. Brownsville, TX.
- 2005 Healthy Community of Brownsville, certificate of appreciation from this organization in recognition and deep appreciation for ongoing volunteer efforts and commitment to our community. Brownsville, TX.
- 2002 Friends of public health award. Texas Department of Health, Public Health Region 11, for untiring efforts and commitment to Public Health
- 2000, Conference Award Scientist, International Society for Clinical Biostatistics
- 1999, Medicine National Academic Award, Colombian National Academy of Medicine. First place on clinical area. Award given by project "Evaluation of Intensive Care in Colombia".
- 1996-1997, Young Researcher, Colciencias, Colombia.

## HONORS AND AWARDS INFORMATION (Continuation)

- 1994, Abbott Award for Best Abstract in Epidemiology, Meeting of the European Helicobacter pylori Study Group. Abstract # 73. Houston, TX
- 1993-1994, Scholarship, Tulane University
- 1992-1993, Best Statistician Student, Department of Mathematics and Statistics, National University of Colombia. Graduation with distinction in Statistics.

## FUNDING RECEIVED

1. **National Institutes of Health.** How and where in the brain methylphenidate exert its effect in adolescent and adult subjects. Grant number: DA-R01-027222. Period of funding: 08/01/2009-03/31/2014 (\$173,400). Role:Co-Investigator (8%) (PI: Dafny, N.). Status: Active
2. **National Institutes of Health. National Center on Minority Health and Health Disparities.** Beyond Sabor: A border embedded health promotion. Grant number 2R24MD001779-04. Period of funding: 08/21/2009-03/31/2013. Role: Biostatistician (9%) (PI: Bastida, E.) (\$468,348) Status: Active
3. **National Institutes of Health. National Cancer Institute.** Measurement Error, nutrition and Breast/Colon Cancer. Grant number: Research supplement from 3R37CA057030-20S1 (PI: Carroll, R.). Period of funding: 08/01/2008-04/30/2010. Role: Biostatistician (40%) (PI: Perez, A.) (\$72,048) Status: Active
4. **Texas Department of State Health Services.** Division of Public Health Nutrition. Grant: School Physical Activity and Nutrition (SPAN) Survey, Phase IV. Surveillance of body mass index (BMI) of school children in the 4<sup>th</sup> grades and parents in Texas. PI: Hoelscher, D. Period of funding: 11/01/2008- 12/31/2009 (\$349,919). Co-Investigator (5%). Status Active.
5. **Colciencias [alike the National Science Foundation].** Grant: Asthma and Other Allergic Diseases in Colombia. PI: Dennis, R. Period of funding: 12/18/2008-12/17/2010. (\$140,988). Biostatistician (1%). Status Active.
6. **National Institutes of Health. National Institute of General Medical Sciences.** Training Program in Biostatistics at UTHSCH-SPH. Grant number 5T32GM074902-02. Period of Funding: 07/14/2006-06/30/2011 (\$887,920). Role: Lead the writing of the grant and advisory committee member (0%) (PI: Hardy, R). Status: Active
7. **American Statistical Association/National Science Foundation.** Grant Title: Missing Data Imputation at the Survey of Industrial Research and Development. 05/01/2006-04/30/2008 (\$67,560). Principal Investigator (39%). Status Closed.
8. **National Institutes of Health.** National Center on Minority Health and Health Disparities (NCMHD). Grant: Creation of an Hispanic Health Research Center in the Lower Rio Grande Valley. Grant # 1P20MD000170-019001. 02/01/2003-01/31/2008 (\$6,305,443) (PI Program Project: J. McCormick). Principal Investigator Statistical and Economic Analysis Core (20%) (\$605,554). Status: Closed. Among many research activities with this grant, this grant serves as the umbrella providing statistical support to faculty members at the University of Texas at Brownsville.
9. **American Statistical Association/National Science Foundation.** Longitudinal effects on estimates after imputation at the survey of graduate students and postdoctorates in science and engineering. 5/01/2005-4/30/2006 (\$39,089). Principal Investigator (27%). Status Closed.

## FUNDING RECEIVED (Continuation)

10. **Department of Defense.** Grant: Interrelationships of Hormones, Diet, Body Size and Breast Cancer among Hispanic Women. 01/02/03–01/31/08 (\$250,000 subcontract UTSPH, \$1,000,000 UTB). PI: G. Peltz. Co-I(10%). Status Closed.
11. **American Statistical Association/National Science Foundation.** Missing data analysis on the science resource statistics surveys. 5/05/2003-5/03/2004 (\$39,457). Principal Investigator (33%). Status closed.
12. **National Institutes of Health.** National institute of allergy and infectious diseases (NIAID). Grant: Emerging MDR Tuberculosis Across the US/Mexico border. Grant # 1R21AI056207-01. 09/09/2003-09/08/2005 (\$297,000) (PI: J. McCormick). Co-investigator (15%). Status: Closed
13. **Texas Department of State Health Services.** Division of Public Health Nutrition. Grant: School Physical Activity and Nutrition (SPAN) Survey, Phase III. Surveillance of body mass index (BMI) of school children in the 4<sup>th</sup>, 8<sup>th</sup> and 11<sup>th</sup> grades in Texas. PI: Hoelscher, D. 09/15/2004- 08/14/2005 (\$418,901). Co-Investigator (5%). Status Closed.
14. **National Institutes of Health.** National Center on Minority Health and Health Disparities (NCMHD). Grant: Diabetes and tuberculosis: the strength of their association and the economic impact in the Lower Rio Grande Valley (LRGV) Grant # 1P20MD000170-010002. 02/01/2003-01/31/2008 (\$6,305,443) (PI Program Project: J. McCormick). Principal Investigator Pilot project (5%) (\$51,080) Status: Closed
15. **American Statistical Association/National Science Foundation.** Missing data analysis on the science resource statistics surveys. 5/01/2004-4/30/2005 (\$25,567). Principal Investigator (19%). Status closed.
16. **American Statistical Association/Biometric Section.** On the pursuit of Biostatistics Professionals. 08/15/2004-02/28/2005 (\$2,000). Pérez, A. Principal Investigator (1%). Closed.
17. **Colciencias [Similar to the National Science Foundation in Colombia].** Modeling and simulation of sample size in some health research designs. Grant # 124-2000. \$7,100. Oct/2000-Oct-2001. Bogotá, Colombia. Principal Investigator. Status: closed.
18. **Fundación para la Promoción de la Investigación y la Tecnología [Foundation for the promotion of research and technology].** Modeling and simulation of sample size in some health research designs. Grant # 986. \$6,800. Nov/1999-Feb/2001. Bogotá, Colombia. Principal Investigator. Status: closed.
19. **Colciencias [Similar to the National Science Foundation in Colombia].** Comparison of several imputation techniques to quantify the severity of disease in admitted patients to intensive care units in Colombia. Grant # 080-99. \$5,000. Apr/1999-Apr/2000. Bogotá, Colombia. Principal Investigator. Status: closed.
20. **INCLIN, INC.** Tamaño de la muestra: a computer program to estimate the required sample size and power in clinical research. \$5,700. Jun/1997-Dec/1999. Philadelphia. USA. PI. Status: closed
21. Pontificia Universidad Javeriana, Department of Clinical Epidemiology and Biostatistics. “Air pollution and acute respiratory illness in Bogotá”. Bogota, Colombia. Solarte, I (PI). Role: Biostatistician. Status: closed
22. Pontificia Universidad Javeriana, Department of Clinical Epidemiology and Biostatistics. “Assessment of intensive care in Colombia: Health Service, Technology and Quality Evaluation”. Bogota, Colombia. Dennis, RJ (PI). Role: Co-Investigator. Status: closed
23. Pontificia Universidad Javeriana, Department of Clinical Epidemiology and Biostatistics. “Improvement of parental antibiotic use in a university hospital in Colombia”. Bogota, Colombia. Dennis, RJ (PI). Role: Co-Investigator. Status: closed

## FUNDING RECEIVED (Continuation)

24. Pontificia Universidad Javeriana, Department of Clinical Epidemiology and Biostatistics. "Latin american migraine study (LAMS). A Cross sectional survey of migraine with and without aura, as well as tension type headache in men and women over 15 years of age who lived in the major areas of the participating Latin American countries". Bogota, Colombia. Morillo, L (PI). Role: Co-Investigator. Status: closed
25. Pontificia Universidad Javeriana, Department of Clinical Epidemiology and Biostatistics. "WPA/INCLLEN. International collaborative project on depression in primary care. Development, assessment and application of clinic specific organizational and education interventions for improving the recognition and management of depression in primary care settings in developing countries". Bogota, Colombia. Gomez, C (PI). Role: Co-Investigator. Status: closed
26. **National Institutes of Health**. Grant: A chemoprevention trial among persons at high risk of stomach cancer in the Andes Mountains of Colombia. May 1994 - October 2001. New Orleans, USA. Pelayo, C (PI). Role: Biostatistician. Status: closed

## CONTRACTS

**Title:** "Consultant Agreement UTPA Insulin Resistance in Children". Funding Agency: UTPA. Period of Funding: 12/01/2005-/09/30/2006 (\$2,000). Role: Principal Investigator (1%).

**Title:** "CDC/USBMHA Border Maternal and Child Health Binational Team Study" Funding Agency: CDC/USMBHA. Period of funding: 11/09/2007-07/14/2008 (\$15,420). Role: Principal Investigator (10%).

## PUBLICATIONS

### Journal Article (Peer-Reviewed)

1. Hoelscher, D.M., Kelder, S.H., **Pérez, A**, Day, R.S., Benoit, J., Frankowski, R.J., Walker, J.L., Lee, E.S. (2009) Changes in the Regional Prevalence of Child Obesity in 4th, 8th, and 11th Grade Students in Texas from 2000-2002 to 2004-2005. Accepted for publication in Obesity.
2. **Pérez A**, Roberts, R.E., Sanderson, M., Reininger, B., Aguirre-Flores, M.I. (2009) Disturbed Sleep Among Adolescents Living in Two Communities on the Texas-Mexico Border, 2000-2003. Accepted for publication at Preventing Chronic Disease: Public Health Research, Practice and Policy.
3. Springer, A.E., Hoelscher, D.M., Castrucci, B., **Pérez A.**, Kelder, S.H. (2009) Prevalence of Physical activity and sedentary behaviors by metropolitan status in 4th, 8th and 11th grade students in Texas, 2004-2005. Preventing Chronic Disease. Public health research, practice and policy. Vol 6(1), A21. Available at: [http://www.cdc.gov/pcd/issues/2009/Jan/07\\_0252.htm](http://www.cdc.gov/pcd/issues/2009/Jan/07_0252.htm)
4. Brown HS, **Pérez A**, Mirchandani, G.G., Hoelscher DM, Kelder, K.H. (2008) Crime rates and sedentary behavior among 4<sup>th</sup> grade Texas school children. International Journal of Behavioral Nutrition and Physical Activity. 5,28. Available at <http://www.ijbnpa.org/content/5/1/28>
5. **Pérez A.** (2007) Longitudinal evaluation of estimates in an establishment survey after ratio imputation. Journal of Modern Applied Statistical Methods. Vol 6(2), 630-644.

## Journal Article (Peer-Reviewed) (Continuation)

6. Brown HS, **Pérez A**, Li, YP, Hoelscher DM, Kelder, K.H, Rivera, R. (2007) The Cost-Effectiveness of a School Overweight Program. *The international journal of behavioral nutrition and physical activity*.4,47. Available at: <http://www.ijbnpa.org/content/4/1/47>
7. **Pérez A**. (2007) Using the fractional imputation methodology to evaluate variance due to hot deck imputation in survey data. *Journal of Modern Applied Statistical Methods*. Vol 6 (1): 248-257. Available at [http://tbf.coe.wayne.edu:16080/jmasm/vol6\\_no1.pdf](http://tbf.coe.wayne.edu:16080/jmasm/vol6_no1.pdf).
8. **Pérez A**, Hoelscher DM, Brown HS, Kelder SH. (2007) Differences in Food Consumption and Meal Patterns in Texas School Children by Grade. *Preventing Chronic Disease. Public health research, practice and policy*. Vol 4(2), 1-13. Available at [http://www.cdc.gov/pcd/issues/2007/apr/06\\_0061.htm](http://www.cdc.gov/pcd/issues/2007/apr/06_0061.htm). This article was highlighted by the editor in chief to all professionals operating child nutrition programs.
9. Peltz G, Sanderson M, **Pérez A**, Sexton K, Casares DO, Fadden MK. (2007) Serum leptin concentration, adiposity, and body fat distribution in Mexican Americans. *Archives of Medical Research*. 563-570
10. Vela-Acosta MS, Sanderson M, Cooper SP, **Pérez A**, Robert RE. (2007) Health Risk Behaviors and Work Injury among Hispanic Adolescents. *Journal of Agricultural Safety and Health*. Vol 13(2):117-36.
11. **Pérez A**, Chan W, Dennis RJ. (2006) Predicting the Length of Stay of Patients Admitted for Intensive Care Using a First Step Analysis. *Health Services and Outcomes Research Methodology*. DOI: 10.1007/s10742-006-0009-9. Vol 6:127-138.
12. **Pérez A**, Brown HS, Restrepo BI. (2006) Association between tuberculosis and diabetes in the Mexican border and non-border regions of Texas. *American Journal of Tropical Medicine and Hygiene*. Vol 74(4): 604-611.
13. **Pérez A**, Dennis RJ, Rondón MA, Metcalfe MA, Rowan KM. (2006) A Colombian survey found intensive care mortality ratios were better in private versus public hospitals. *Journal of Clinical Epidemiology*. Vol 59(1): 94-101.
14. **Pérez A**, Reininger BM, Aguirre-Flores MI, Sanderson M, Roberts RE. (2006) Physical Activity and Overweight Among Adolescents on the Texas-Mexico Border. [La actividad física y el sobrepeso en adolescentes que viven en la frontera mexicanoestadounidense] *Revista Panamericana de Salud Pública/Pan American Journal of Public Health*, Publisher: Pan American Health Organization (PAHO). Vol 19(4): 244-252.
15. Restrepo BI, Fisher-Hoch SP, Crespo JG, Whitney E, **Pérez A**, Smith B, McCormick JB with the Nuevo Santander Tuberculosis Trackers. (2006) Type 2 diabetes and tuberculosis in a dynamic binational border population. *Epidemiology and Infection*. DOI: 10.1017/S0950268806006935. Vol 135(3): 483-491.
16. Sanderson M, Coker AL, **Pérez A**, Du XL, Peltz G, Fadden MK. (2006) A Multilevel Analysis of Socioeconomic Status and Prostate Cancer Risk. *Annals of Epidemiology*. Vol 16(12): 901-907.
17. **Pérez A**, Anzaldúa M, McCormick J, Fisher-Hoch S. (2004) High frequency of chronic end-stage liver disease and hepatocellular carcinoma in an Hispanic population. *Journal of Gastroenterology and Hepatology*. Vol 19(3): 289-295.
18. Cadena J, Vinaccia S, **Pérez A**, Rico MI, Hinojosa R, Anaya JM. (2003) The Impact of Disease Activity on the Quality of Life, Mental Health Status and Family Dysfunction in Colombian Patients with Rheumatoid Arthritis. *Journal of Clinical Rheumatology*. 9(3): 142-150
19. **Pérez A**, Dennis RJ, Rodriguez B, Delgado V, Lozano JM, Arango MC. (2003) An Interrupted Time Series Analysis of Parental Antibiotic use in Colombia. *Journal of Clinical Epidemiology*. Vol 56 (10): 1013-1020.

## Journal Article (Peer-Reviewed) (Continuation)

20. Anaya JM, Uribe M, **Pérez A**, Sanchez JF, Pinto LF, Molina JF, Londono MC, Cadavid ME, Matute G. (2003) Clinical and immunological factors associated with lupus nephritis in patients from northwestern Colombia. *Biomedica*. Vol 23(3):293-300.  
(*Biomedica* is a trimester scientific publication from the National Institute of Health in Colombia. This journal is peer reviewed and it is indexed at Medicus/Medline-National Library of Medicine, Literatura Latino-Americana in Health Sciences, LILACS, SIBRA , CAB and the Latino-America index of Scientific and Technology journals- LATINDEX).
21. **Pérez A**, Dennis RJ, Gil JFA, Rondón MA, López A. (2002) Use of the mean, hot deck and multiple imputation techniques to predict outcome in intensive care unit patients in Colombia. *Statistics in Medicine*. Vol 21(24): 3885-3896.
22. **Pérez A**, Rondón MA. (2002) [Multiple Imputation: A novel method to handled missing data]. *Acta Médica Colombiana*, Vol 27(4): 204-208.  
(This Colombian peer-review journal is sponsored by the Colombian Association of Internal medicine (ACMI). This journal is indexed at LILACS and Publindex).
23. Dennis RJ, **Pérez A**, Rowan K, Londoño D, Metcalfe A, Gómez C, McPherson K. (2002) [Associated factors with hospital mortality in Intensive Care Patients in Colombia]. *Archivos de Bronconeumología*. Vol 38(3): 117-122.  
(This peer-reviewed journal is sponsored by the Spanish Association of Pneumology. This journal is indexed at Excerpta Médica/EMBASE, Index Medicus/MEDLINE, Current Contents/Clinical Medicine, Science Citation Index Expanded and ISI Alerting Services).
24. Castañeda JA, **Pérez A**, Gil JFA. (2002) [Sample size required to estimate the arithmetic mean of a lognormal distribution]. *Revista Colombiana de Estadística*. Vol 25(1): 31-41. (This peer-reviewed journal is sponsored by the National University of Colombia. Published since 1968 and indexed at the Current Index of Statistics).
25. Rosselli D, Otero A, Heller D, Calderon C, Moreno S, **Pérez A**. (2001) [Estimating the supply of medical specialists in Colombia by using the capture-recapture method]. *Revista Panamericana De Salud Publica = Pan American Journal of Public Health*. Vol 9(6): 393-398.
26. Castañeda JA, **Pérez A**, Gil JFA. (2000) [Sample size required for survival analysis]. *Revista Colombiana de Estadística*. Vol 23(2): 46-64.  
(This peer-reviewed journal is sponsored by the National University of Colombia. Published since 1968 and indexed at the Current Index of Statistics).
27. Dennis RJ, Metcalfe A, **Pérez A**, Londoño D, Gómez C, McPherson K, Rowan K. (2000) [Intensive Care in Colombia: Human and technology assessment in a middle-income country]. *Acta Médica Colombiana*, Vol 25(5): 211-217. (This Colombian peer-reviewed journal is sponsored by the Colombian Association of Internal medicine (ACMI). This journal is indexed at LILACS and Publindex).
28. **Pérez A** and Cáceres CA. (1999) [Data management system in research: Methods and Guidelines] *Revista Colombiana de Neumología*, Vol 11(1); 126-133. (This Colombian peer-reviewed journal is sponsored by the Colombian Society of Pneumology and Chest Medicine. This journal is indexed at the Lationamerican Index Medicus, LILACS, SIBRA and SCIELO)
29. **Pérez A** and Lefante JJ. (1997) Sample Size Determination and the Effect of Censoring When Estimating the Arithmetic Mean of a Lognormal Distribution. *Communications in Statistics. Theory and Methods*. Vol 26(11): 2779-2801.

## Journal Article (Peer-Reviewed) (Continuation)

30. **Pérez A.** (1996) [A review on Classification of Variables and its relationship to the selection of the statistical analysis]. *Revista Colombiana de Neumología*. Vol 8(4): 216-219. (This Colombian peer-reviewed journal is sponsored by the Colombian Society of Pneumology and Chest Medicine. This journal is indexed at the Lationamerican Index Medicus, LILACS, SIBRA and SCIELO).
31. Fontham ET, Ruiz B, **Pérez A**, Hunter F, Correa P. (1995) Determinants of *Helicobacter pylori* infection and chronic gastritis. *American Journal of Gastroenterology*. Vol 90(7): 1094-1101.
32. Ruíz B, Correa P, Fontham ETH, Rood JC, Malcom GT, Torrado J, **Pérez A**, Ramakishnan T, Hunter FM. (1994) Ascorbic Acid, *Helicobacter pylori* and Lewis phenotype among blacks and whites in New Orleans. *Cancer letters*. Vol 83(1-2), 323-329.

## Books and book chapters

1. Brown HS, Pagán JA, Hanis C, Pérez A. (2007) *Capital Humano, Crecimiento, Pobreza: Problemática Mexicana*, chapter Diabetes and Employment. *Productivity: Does Diabetes Management Matter?* Universidad Autónoma de Nuevo León, Mexico
2. Pérez A, Dennis RJ. (2004) [Determining the sample size] *Calculo del tamaño de muestra*. Chapter 9. In: Ruiz, A. and Morillo, L.E. *Epidemiología Clínica, Investigación Clínica aplicada*. Editorial Medica Panamericana. Bogota, Colombia. P 141-162. This book is distributed through the Americas via the Panamerican Health Organization/World Health Organization (<http://paltex.paho.org/bookdetail.asp?bookId=ECR01>).
3. Cepeda MS, Pérez, A. (2004) [Concordance Studies: Interchangeability in Measurement Systems] *Estudios de Concordancia: Intercambialidad en sistemas de muestreo*. Chapter 17. In: Ruiz, A. and Morillo, L.E. *Epidemiología Clínica, Investigación Clínica aplicada*. Editorial Medica Panamericana. Bogota, Colombia. P 293-307. This book is distributed through the Americas via the Panamerican Health Organization/World Health Organization (<http://paltex.paho.org/bookdetail.asp?bookId=ECR01>).
4. Pérez A, Gómez A, Sánchez R, Dennis R, Ruíz A. (2001) [Sampling Techniques and Fundamental Factors to Determine its Size]. *Investigación Clínica: Epidemiología Clínica Aplicada* Chapter 22. Centro Editorial Javeriano. Bogota, Colombia. P 411-443.
5. Cepeda MS, Pérez A. (2001) [Concordance Studies. Methods to Determine the Interchangeability between Different Measurement Systems in Clinical Practice]. *Investigación Clínica: Epidemiología Clínica Aplicada* Chapter 17. Centro Editorial Javeriano. Bogota, Colombia. P 287-301.
6. Delgado MB, Rojas MX, Pérez A. (2001) [Conducting and Monitoring Studies]. *Investigación Clínica: Epidemiología Clínica Aplicada* Chapter 23 Centro Editorial Javeriano. Bogota, Colombia. P 445-468.
7. Cuervo LG, Lozano JM, Pérez A. (2001) [Systematic Reviews and Meta-Analysis]. *Investigación Clínica: Epidemiología Clínica Aplicada* Chapter 15. Centro Editorial Javeriano. Bogota, Colombia. P 245-267.
8. Roselli DA, Otero A, Heller D, Calderón CP, Moreno IS, Pérez A. (2000) [The specialized Medicine in Colombia. A diagnostic approximation] Centro editorial Javeriano. Bogota. Colombia. P 193-203.
9. Rodríguez N, Pérez A. (1997) [Biostatistics in Clinical Research]. In: *Medicina Interna*. Editors: Chalem, F., Escandon, J.E., Campos, J., Esguerra, R. Editor Fundación Instituto de Reumatología e Inmunología. Third edition. Bogota, Colombia. P 27-34.

## Patented Software

**Pérez, A.**, Rodríguez, N., Gil, J.F.A., Ramírez, G.A. Tamaño de la Muestra. V 1.1. [A computer program to estimate the required sample size and power in clinical research] Programa sistematizado para el calculo del tamaño de la muestra y el poder en diseños de investigación, Book 13, Volume 7, Item 063, 2001, Pontificia Universidad Javeriana. Bogotá, Colombia. Government Ministry. Distributed by Tienda Javeriana ([http://www.puj.edu.co/area/unidad/index\\_tienda.html](http://www.puj.edu.co/area/unidad/index_tienda.html)) and within book: Ruiz, A. and Morillo, L.E. Epidemiología Clínica, Investigación Clínica aplicada. Editorial Medica Panamericana. Bogota, Colombia. This book is distributed through the Americas via the Panamerican Health Organization/World Health Organization (<http://paltex.paho.org/bookdetail.asp?bookId=ECR01>).

## Proceedings

1. **Pérez A.** (2007) Longitudinal evaluation of point and variance estimates in an establishment survey after ratio imputation. ASA proceedings of the Joint Statistical Meetings. American Statistical Association, Alexandria, VA. 3520-3527.
2. **Pérez A**, Finamore JM, Stratton JH. (2004) Using the fractional imputation methodology to evaluate variance due to hot deck imputation in survey data. ASA proceedings of the Joint Statistical Meetings. American Statistical Association, Alexandria, VA. 4143-4150.
3. Gil JFA, **Pérez A**, Castañeda JA. (2001) Empirical Power from Existing Sample Size Formulae for Logistic Regression. 2001. Proceedings of the American Statistical Association, Biometrics Section [CD ROM], Alexandria, VA: American Statistical Association. 1-9.
4. **Pérez A**, Rodríguez N, Bermúdez M. (2000) Descriptive, association and impact measures. Cuaderno de actualización médica permanente. Vol 46:1-17.
  - (This online journal is sponsored by the Colombian association of Internal Medicine Schools (Ascofame) [www.ascofame.org.co](http://www.ascofame.org.co)).
5. Bermúdez M, **Pérez A**, Morillo LE. (2000) How to use an overview with a systematic review in health research. Cuaderno de actualización médica permanente. Vol. 52: 1-15.
  - (This online journal is sponsored by the Colombian association of Internal Medicine Schools (Ascofame) [www.ascofame.org.co](http://www.ascofame.org.co)).
6. **Pérez A** and Lefante JJ. (1996) How Much Sample Size is Required to Estimate the True Arithmetic Mean of a Lognormal Distribution? 1996 Proceedings of the Section on Statistics and the Environment. American Statistical Association. 111-115.

## Abstracts (published)

1. Sanderson M, Peltz G, **Pérez A**, Johnson M, Dutton RJ. Influence of Mexican health care on breast and cervical cancer screening. Am J Epidemiol 2007;165:S31.
2. Peltz G, Sanderson M, **Pérez A**, Ochoa D, Fadden MK. Leptin and body composition in Mexican Americans. Obes Res 2006;14:A.
3. Sanderson M, Sparrow P, Peltz G, **Pérez A**, Johnson M. (2006) Association Between Breast and Cervical Cancer Screening and Self-Rated Health by Ethnicity. Proceedings of the Society for Epidemiologic Research. Second North American Congress of Epidemiology Seattle, Washington, June. 2006. American Journal of Epidemiology. Vol 163: S143.
4. Sanderson M, Coker AL, **Pérez A**, Fadden MK. (2005) A multilevel analysis of socioeconomic status and prostate cancer risk. American Journal of Epidemiology. Vol 161:S43.

## Abstracts (Published-Continuation)

5. Peltz G, Casares DO, Fadden MK, Calil R, **Pérez A**, Sanderson M. The use of body mass index for the diagnosis of obesity in Mexican Americans: A comparative study with bioelectrical impedance analysis. *Obes Res* 2005;13:A62.
6. Dennis R, **Pérez A**, Rowan K, Londoño D, Metcalfe A, Gómez C, McPherson K. (2000) [Associated factors to hospital mortality in admitted patients to intensive care units in Colombia] Factores asociados con mortalidad hospitalaria en pacientes admitidos a cuidado □ntensivo en Colombia. *Acta Médica Colombiana*, Vol 25(5): 294.
7. Dennis R, Metcalfe A, **Pérez A**, Londoño D, Gómez C, McPherson K, Rowan K. (2000) [Intensive care in Colombia: Human and technology resources] Cuidado Intensivo en Colombia: Recurso humano y tecnológico. *Acta Médica Colombiana*, Vol 25(5): 295.
8. **Pérez A**, Rodríguez N, Gil JFA, Ramírez GA. (1999) "Tamaño de la Muestra. A computer program to estimate the required sample size and power in clinical research". *Journal of Clinical Epidemiology*. Vol 52, Supplement 1. 38S.
9. **Pérez A** and Lefante JJ. (1997) Exact Sample Size and the Effect of Censoring for Estimating the Arithmetic Mean of a Lognormal Distribution". *Journal of Clinical Epidemiology* Vol 50. Supplement 1. 38S. Abstract.
10. Londoño D, Bermúdez M, Dennis JR, Solarte I, **Pérez A**. (1996) [A Cost Benefit Analysis to Evaluate the Factibility of a Program Against Smokers at Javeriana University] *Acta Médica Colombiana*. Vol 21(4), 234.

## Manuscripts submitted for publication

1. Vela-Acosta MS, **Pérez A**, Reininger B, Aguirre-Flores MI. Behavioral Health Risk Factors and Work Injury Among Mexican Adolescents. Submitted to *American Journal of Industrial Medicine* on 01/15/2009.
2. Sanderson M, Peltz G, **Pérez, A**, Johnson M. Diabetes, physical activity and breast cancer among Hispanic women. *Cancer Causes Control* (resubmitted) 01/16/2009.
3. Hoelscher DM, Kelder S, **Pérez A**, Day RS, Sanders J, Frankowski R, Walker J, Lee ES Regional and state initiatives lead to significant decreases in the prevalence of child overweight in Texas. Submitted 01/13/2009.
4. Reininger B, **Pérez A**, Aguirre-Flores MI, Rahbar, H. Socio Ecological Influence, Empowerment and Risk Behavior in Mexican Youth. Submitted to *Revista Panamericana de Salud publica* on 10/31/2008.
5. **Pérez, A.**, Hoelscher, D.M., Springer, A.E., Brown, H.S., Barroso, C.S., Kelder, S.H., Castrucci, B.C. Physical activity, television viewing and the risk of obesity in Texas students. Resubmitted to *BMC Public Health* June, 2009.
6. Fisher-Hoch, S.P., Rentfro, A., Salinas, J., **Pérez, A.**, Brown, H.S., Reininger, B., Restrepo, B.I., Wilson, J., Hossain, M.M., Rahbar, M.H., Hanis, C., McCormick, J.B. Unexpectedly high prevalence of obesity and diabetes and the impact of socioeconomic status in a minority community: the Cameron County Hispanic Cohort. Submitted to *American Journal of Public Health* 08/11/09.

## **PROFESSIONAL ACTIVITIES**

### **Society membership**

- American Statistical Association since 1992
- International Biometric Society since 1996
- International Clinical Epidemiology Network from 1992-2001
- International Society of Clinical Biostatistics from 1996-2002

### **Society leadership & service**

- 2009-2010 Co-chair ENAR Fostering Diversity in Biostatistics Workshop. New Orleans
- 2008-2009 Co-chair ENAR Fostering Diversity in Biostatistics Workshop. San Antonio
- 2008-2009 Border MACH Advisory Committee
- 2003-2007 International Biometric Society, Editorial Advisory Committee member
- 2002-2005 Council Member, International Biometric Society
- 2005-2007 Ad Hoc Search Committee Member for an Executive Editor for Biometrics, International Biometric Society
- 2002-2004, Program Committee Member IBC2004, International Biometric Society
- 2000-2001, President, Colombian Group, International Biometric Society
- 1997-1998, President, Colombian Group, International Biometric Society
- 1996-1997, Bulletin Correspondant, Colombian Group, International Biometric Society
- 2006, Chair for the WNAR invited paper session I: Spatial aspects of sampling and estimation in the environmental sciences. Flagstaff, AZ, June, 2006.
- 2007-2008 Bi-national Border MACH Initiative member

## **SERVICE ACTIVITIES**

### **Editorial Reviewer**

- Current Index of Statistics. Editorial Assistant since 1996
- Revista Colombiana de Obstetricia y Ginecología. Editorial member since 2004.
- Acta Medica Colombiana. Editorial member since 2004.
- Revista Colombiana de Estadística. Editorial member since 2006.
- Revista Venezolana de Estadística. Editorial committee member since June 2007.

### **Academic (External)**

- 2002-2007 Statistical support to faculty members at the University of Texas at Brownsville in different projects. Faculty advisees with continuous support/consultation are: Anne Renfro, Dr Heather Klug and Gerson Perltz.
- 2006, Hawaii International Conference on Statistics, Mathematics and Related Fields. Role: Abstract reviewer in the areas of Biostatistics and Epidemiology.
- 2005 Universidad Nacional de Colombia, This university asked me to generate a peer-review evaluation of a chapter book. Full reference: John Harold Estrada Montoya (2003) Panorama de la investigación sobre salud pública en Colombia. Realidad o utopía?. In: La Salud Pública Hoy: enfoques y dilemas contemporáneos en la Salud Pública. Editor: Saul Franco Agudelo, Universidad Nacional de Colombia. Pages 407-419.
- 2003-2004, Promotion Faculty Reviewer. University of Caldas, July, Armenia, Colombia.
- 2003-2004, Promotion Faculty Reviewer. Valle University, August, Cali, Colombia.
- 2003, Abstract peer reviewer for the XX Global Meeting of the International Clinical Epidemiology Network. Manila, Philippines.

### **Academic (External)**

- 2001-2006, Participant member Healthy Communities of Brownsville. Health group. Brownsville, TX.

### **Academic (Internal)**

- 2009- Search committee member. Division of Biostatistics. School of Public Health. University of Texas Health Science Center at Houston.
- 2008-2009 Search committee member. Department of Bioinformatics and Biostatistics. School of Public Health and Information Sciences. University of Louisville. Louisville, KY.
- 2008-2009 Admissions committee member. Department of Bioinformatics and Biostatistics. School of Public Health and Information Sciences. University of Louisville. Louisville, KY.
- 2008-2009 Committee on Performance Criteria and Economic Welfare. School of Public Health and Information Sciences. University of Louisville. Louisville, KY.
- 2007 Presenter of the biostatistical programs and research at the seminar for minority students "ENAR Fostering diversity in Biostatistics". Atlanta.
- 2006-2007 Search Committee for Director Division of Biostatistics, School of Public Health, The University of Texas Health Science Center at Houston. Role: Committee member Houston, TX.
- 2006, Six year faculty review panel member of faculty members at the Division of Biostatistics. School of Public Health. The university of Texas Health Science Center at Houston. Houston, TX. Role: Committee member
- 2006, Annual activities review panel member of faculty members at the Division of Biostatistics. School of Public Health. The university of Texas Health Science Center at Houston. Role: Committee member
- 2005-2008, Interfaculty council member, School of Public Health, The University of Texas Health Science Center at Houston. Role: Committee member
- 2005 Organizer of the School Public Health Opportunities in Biostatistics Seminar. I gather biostatistics faculty from the Southeast United States for a one day ITV seminar describing the biostatistics program and research of our school. Texas.
- 2003 Faculty Recruiting Committee member. Biostatistics faculty positions search in regional campuses (Dallas). School of Public Health, The University of Texas Health Science Center at Houston. Houston, TX.
- 2003 Master program in Public Health admissions committee. School of Public Health, The University of Texas Health Science Center at Houston. Houston, TX.
- 2002-2003 Faculty Recruiting Committee member. Biostatistics faculty positions search in regional campuses (Dallas, San Antonio and El Paso). School of Public Health, The University of Texas Health Science Center at Houston. Houston, TX.
- 2000, PhD program in Statistics admissions committee member. National University of Colombia. Department of Statistics. Bogota, Colombia
- 1998-1999 Master in Statistics admissions committee member. National University of Colombia. Department of Statistics. Bogota, Colombia
- 1995-2001 Master in Clinical Epidemiology admissions committee member. Pontificia Universidad Javeriana. Department of Clinical Epidemiology and Biostatistics. Bogota, Colombia

## Grant review panels

- 2009 Reviewer grants panel, **Pennsylvania Department of Health and Oak Ridge Associated Universities**. Pennsylvania Department of Health's Performance review. Violence prevention panel. November.
- 2008 Reviewer grants panel, **Pennsylvania Department of Health and Oak Ridge Associated Universities**. Pennsylvania Department of Health's Performance review. Harrisburg, PA. April.
- 2006 Reviewer grants panel, **National Science Foundation**. Arlington, VA. November.
- 2006, Special Emphasis Review Panel, **National Institute of Health**. NIDDK. Member of review panel to evaluate 64 applications received in response to PAR-06-112. ZRG1 RUS-A %1 S, Pilot and Feasibility Clinical Research Grants in Kidney or Urologic Diseases. July 27-28, 2006, Silver Spring, MD.
- 2006, Special Emphasis Review Panel, **National Institute of Health**. NIDDK. Member of review panel to evaluate two applications received. April 12, 2006, Washington, DC.
- 2005, Study section member. **National Institute of Health**. NIDDK. Member of review panel to evaluate 51 applications received in response to the PAR-04-065: Research Grants for Clinical Studies of Kidney Diseases. July 28 and 29, 2005, Washington DC.
- 2003, Grant proposal reviewer. **Instituto Colombiano para el Desarrollo de la Ciencia y la Tecnología Francisco José de Caldas (COLCIENCIAS)**. Colombian National Request for Proposals. Program in Science and Health Technology. September, Bogotá, Colombia
- 2002, Study section member. **National Institute of Health**. Geriatrics & Rehabilitative Medicine (GRM). June, Washington, DC.
- 2001, Grant proposal reviewer. **Instituto Colombiano para el Desarrollo de la Ciencia y la Tecnología Francisco José de Caldas (COLCIENCIAS)**. Colombian National Request for Proposals. Program in Science and Health Technology. November, Bogotá, Colombia

## Journal reviewer

- Acta Medica Colombiana. Three papers reviewed in June, September and November 1999.
- Biometrical Journal. One paper reviewed in June 2001
- Medicas Universidad Industrial de Santander. Three papers reviewed in June 2002.
- Journal of the National Cancer Institute. One paper reviewed November 2002.
- American Journal of Public Health. Four papers reviewed in December 2003, April 2005, April 2008, March 2009
- Quality of Life Research. Nine papers reviewed one in February 2003, one in October 2003, one in March 2004, two in September 2004, one in January 2005 and three in September 2005.
- Journal of Gastroenterology and Hepatology. One paper reviewed in July and September 2003
- Computational statistics and data analysis. One paper reviewed in July 2003
- Journal of Statistical Computation and Simulation. One paper reviewed in May 2003
- HIV Clinical Trials. One paper reviewed in November 2003
- Journal of Official Statistics. Two papers reviewed one in November 2004 and one in January 2005
- Biomedical Central Series. Three papers reviewed one in April 2004, May 2005 and November 2006

## Journal reviewer (continuation)

- British Medical Journal Health Services research. One paper reviewed in August 2005
- Biomedical Central Oral Health. One paper reviewed in August 2005
- Biomedical Central Women's Health. One paper reviewed in October 2005
- Biomedical Central Public Health. One paper reviewed in June 2006
- Preventing Chronic Disease. Public health research, practice and policy. One paper reviewed in April 2008
- Biomedical Central Geriatrics. Two papers reviewed one in November 2006 and December 2007
- Biomedical Central Medicine. One paper reviewed July 2008
- Biomedical Central Infectious Diseases. One paper reviewed in December 2007
- Chronic Illness. One paper reviewed in December 2006
- Journal of Clinical Epidemiology. One paper reviewed in December 2006
- Biomedical Central Pulmonary Medicine. One paper reviewed in February 2007
- Biomedical Central Medicine. One paper reviewed in February 2007
- Revista Colombiana de Estadística, one paper reviewed December 2007
- Journal of Nutrition Education and Behavior. One paper reviewed August 2008, one in 2009.

## INVITED PRESENTATIONS

- **Pérez A.**, Atlas, M., Hornung, C.A. (2009) An inventory of (Bio)statistics courses at an academic health science center: is duplication really necessary?. JSM 2009. Washington, DC. August.
- **Pérez A.** (2009) Survey sampling and multinomial logistic models for physical activity, sedentary behavior and overweight among adolescents in Texas. Statistics Seminar. University of Kentucky. Lexington, February.
- **Pérez, A.** (2008) Variance estimation after missing data imputation in two of the Science Resources Statistics Surveys. Biostatistics Seminar. University of Louisville. Louisville, April.
- **Pérez A.** (2007) Approaches to account for imputation uncertainty in research projects. Presentation at Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM), Monterrey, Mexico. August.
- **Pérez A.** (2007) Modeling the association of particulate matter [air pollution (PM10) concentrations] on daily respiratory morbidity in children. Invited talk. National University of Colombia Statistical Symposium. August 7-11. Cali, Colombia.
- **Pérez A,** Fernández ML, Dennis RJ. (2005) The Organization, Management, Job Satisfaction and Performance of Intensive Care Units in Colombia: Results of a Nurse-Physician Survey. Presentation at the University of Puerto Rico at Mayaguez. November 21/2005.
- **Pérez A.** (2005) Variance estimation after missing data imputation at the survey of doctorate recipients (SDR) and at the NSF survey of graduate students and post-doctorates in Science and Engineering (GSS). Presentation at the National Science Foundation, Science Resource Statistics team. Arlington, VA. August 2/2005.
- **Pérez A.** (2004) Variance estimation when data are missing in action. Lunchtime session XXII International Biometric Conference. IBC2004. July 11-16. Cairns, Australia.

## INVITED PRESENTATIONS (continuation)

- **Pérez A**, Dennis RJ, Rodriguez B, Castro AY, Delgado V, Lozano JM.(2004) Improvement of Parenteral Antibiotic use in a University Hospital in Colombia. Proceedings of the Second International Conference on Improving Use of Medicines. March 30-April 2, Chiang Mai, Thailand,
- **Pérez A** (2003) [Predicting the length of stay of patients in intensive care units using a markovian model]. Predicción de la Longitud de Estancia en Pacientes Admitidos a Unidades de Cuidado Intensivo en Colombia Usando un Modelo Markoviano discreto. Statistical Symposium: Statistical in the Health Sciences. National University of Colombia. August, Armenia. Available in CD rom.
- **Pérez A** (2002) Biometry at the University of Texas Health Science Center at Houston, School of Public Health. Meeting conducted monthly at the Texas Department of Health, Region 11. March, Harlingen, TX, USA.
- **Pérez A** (2000) [Available software to handling Missing Data]. Software disponible para el manejo de datos faltantes Proceedings Statistical Symposium: Census, Surveys and Information Systems. National University of Colombia. August, San Andres. Colombia.
- **Pérez A.** (1996) Sample size. Invited Speaker at the National Epidemiology Symposium. VII Jornadas Nacionales de Epidemiología. Manizales, Colombia
- **Pérez A.** (1996) Statistical Methods. Invited Speaker at Corporación de Investigaciones Biológicas. April, Medellin, Colombia

## TEACHING EXPERIENCE

Course	Dates	Role	Number of Students	Student Evaluation	
<b>University of Louisville, School of Public Health and Information Sciences</b>					
Statistical Computing and Data Management (PHST 610)	Spring 2008	Instructor	17	There is not overall score	
Statistical methods to handle missing data	Summer 2008	Instructor	6	There is not overall score	
<b>University of Texas-Houston, School of Public Health. MPH, PhD, MS and Certificate degrees.</b>				<b><u>7 is exceptional</u></b>	
Introduction to Biostatistics (ITV PH1610)	Spring 2002	Instructor	9	6.67	
	Spring 2003	Instructor	13	6.71	
	Spring 2004	Instructor	6	6.75	
			<b>Evaluation changed to % as very good or good</b>		
	Spring 2005	Co-Instructor (100%)	30	84%	
	Fall 2005	Co-Instructor (25%)	32	81%	
	Spring 2006 Spring 2007	Instructor Instructor	22 14	81% 100%	
Statistical Methods for Epidemiology Research (PH1730)	Fall 2002	Co-Instructor (77%)	2	7.00	

Course	Dates	Role	Number of Students	Student Evaluation	
Statistical Methods to Handle Missing Data (PH1998)	Fall 2003	Instructor	3	6.00	
	<b>Evaluation changed to % as very good or good</b>				
	Fall 2005	Instructor	8	100%	
	Fall 2006	Instructor	4	100%	
	Fall 2007	Instructor	9	100%	
Sampling Techniques for Health Surveys (PH1745)	Fall 2003	Visiting Instructor	8	NA	
Applied Statistical Analysis I (PH1820)	Fall 2003	Visiting Instructor	17	NA	
Advanced Epidemiologic Methods (PH2710)	Fall 2004	Visiting Instructor (twice)	46	NA	
	Fall 2005	Visiting Instructor (twice)	43	NA	
<b>Pontificia Universidad Javeriana, School of Medicine</b>					
<b>Master Degree in Clinical Epidemiology</b>					
Biostatistics I	Spring 1996	Instructor	6	NA	
	Spring 1997	Instructor	11	NA	
	Spring 2000	Instructor	9	NA	
Biostatistics III	Fall 1998	Instructor	11	NA	
	Fall 1999	Instructor	6	NA	
Measurement & Qualitative Methods	Fall 1997	Co-Instructor (25%)	11	NA	
	Fall 1998	Co-Instructor (25%)	11	NA	
Introduction to Computational Methods	Spring 1996	Instructor	6	NA	
	Spring 1997	Instructor	11	NA	
<b>Medical Degree</b>					
Introduction to Biostatistics	Fall 1996	Instructor	75	NA	
	Fall 1997	Instructor	78	NA	
	Spring 1998	Instructor	60	NA	
	Spring 1999	Instructor	50	NA	
	Spring 2000	Instructor	42	NA	
	Fall 2000	Instructor	79	NA	
Intermediate Biostatistics	Fall 2000	Instructor	63	NA	
	Spring 2001	Instructor	62	NA	
<b>Continuing Education Courses</b>					
Introduction to Biostatistics	Summer/96	Co-Instructor (50%)	22	NA	
Conduction of Studies in Clinical Research	Summer/97	Co-Instructor (35%)	24	NA	

Course	Dates	Role	Number of Students	Student Evaluation
Evidence Based Medicine	Summer/98	Co-Instructor (5%)	25	NA
Statistical Methods in Research	Summer 1999	Co-Instructor (50%)	28	NA
	Summer 2000	Co-Instructor (50%)	29	NA
Sample Size and Sampling Techniques in Clinical Research	Summer 2001	Co-Instructor (75%)	16	NA

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### National University of Colombia, Department of Statistics

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#### BSc in Statistics

Statistical Inference	Spring 1997	Instructor	13	NA
Design of Experiments	Spring 1997	Instructor	10	NA
	Fall 1997	Instructor	7	NA
Epidemiology	Fall 1997	Instructor	13	NA
Statistics seminar	Spring 1998	Instructor	8	NA
	Fall 1998	Instructor	5	NA
	Spring 1999	Instructor	12	NA
	Spring 2000	Instructor	5	NA
	Fall 2000	Instructor	11	NA
Survival Analysis	Spring 1998	Instructor	9	NA
	Spring 2000	Instructor	22	NA
Categorical Data Analysis	Spring 2001	Instructor	30	NA
Statistical Methodology	Fall 1999	Instructor	14	NA
	Spring 2001	Instructor	27	NA
Elementary Statistics	Fall 2000	Instructor	36	NA

#### MS in Statistics

Regression Analysis	Fall 1998	Instructor	23	NA
Categorical Data Analysis	Spring 1999	Instructor	7	NA
Graduate Statistics Seminar	Fall 1999	Instructor	4	NA

### THESIS/QUALIFIERS/DISSERTATION COMMITTEES

#### Postdoctoral Student

- **Dr. McCullum, Christine.** Postdoctoral Student. "Determinants of Breast Cancer Risk in Latina Girls" K07 grant. Mentorship in the design and statistical aspects of this grant with Dr Deanna Hoelscher and Dr Maureen Sanderson during year 2003-2004. Center for Health Promotion and Prevention Research. School of Public Health, the University of Texas Health Science Center at Houston.

#### PhD students

- **Kwarteng, Kwadwo.** PhD candidate in Biostatistics. He is currently developing his dissertation proposal clinical trials with adaptive designs. University of Louisville. Role: Dissertation Chair (2009).

## PhD students

- **Walker, Kristina.** Hazardous Air Pollutants and Lymphohematopoietic Cancer Incidence in Houston, 1995-2005. PhD candidate in Epidemiology. She is currently developing her dissertation proposal with a R03 submitted to NCI, Houston, TX. School of Public Health, The University of Texas Health Science Center at Houston. Role: Dissertation committee member (2006), qualifier committee member and evaluator member qualifier examination (2006)
- **Wells, Shirley.** DrPh student from the division of management, policy and community health. School of Public Health, the University of Texas Health Science Center at Houston. Role: Qualifier committee member (2005).
- **Wen, Sijin.** PhD student from the division of biostatistics. School of Public Health, the University of Texas Health Science Center at Houston. Role: Evaluator member qualifier examination (2006).
- **Ball, Greg.** PhD student from the division of biostatistics. School of Public Health, the University of Texas Health Science Center at Houston. Role: Evaluator member qualifier examination (2006).
- **Fang, Shenyong.** PhD student from the division of biostatistics. School of Public Health, the University of Texas Health Science Center at Houston. Role: Evaluator member qualifier examination (2006).
- **Wang, Xuemei.** PhD student from the division of biostatistics. School of Public Health, the University of Texas Health Science Center at Houston. Role: Evaluator member qualifier examination (2006).
- **Shirkey, Beverly.** PhD student from the division of biostatistics. School of Public Health, The University of Texas Health Science Center at Houston. Role: Evaluator member qualifier examination (2003).
- **Wang, Nancy.** PhD student from the division of biostatistics. School of Public Health, the University of Texas Health Science Center at Houston. Role: Evaluator member qualifier examination (2002).
- **Owens, Emiel.** PhD student from the division of biostatistics. School of Public Health, the University of Texas Health Science Center at Houston. Role: Evaluator member qualifier examination (2002).
- **Mahnken, Jonathan.** PhD student from the division of biostatistics. School of Public Health, the University of Texas Health Science Center at Houston. Role: Evaluator member qualifier examination (2002).
- **Munsell, Mark.** PhD student from the division of biostatistics. School of Public Health, The University of Texas Health Science Center at Houston. Role: Evaluator member qualifier examination (2002).
- **Lei, Lei.** PhD student from the division of biostatistics. School of Public Health, the University of Texas Health Science Center at Houston. Role: Evaluator member qualifier examination (2002).

## Master level students

- **Chen, Yinlu.** Estimating key parameters and benefits in breast cancer screening using the CNBS study. She is currently developing her master of science degree in Biostatistics. Department of Bioinformatics & Biostatistics, Louisville, KY. School of Public Health and Information Sciences, University of Louisville Health Science Center. Role: Thesis committee member (2009-).

## Master level students (Continuation)

- **Ewah, Obia U.** Breast Cancer Health Disparities across the Cancer Continuum: a Literature Review. She is currently developing her culminating experience proposal, Houston, TX. School of Public Health, the University of Texas Health Science Center at Houston. Role: Academic and thesis committee member (2005-2006).
- **Liendo, Lori.** Antimicrobial resistant in one Cameron county hospital. MPH student. Currently developing her thesis proposal, McAllen, TX. School of Public Health, the University of Texas Health Science Center at Houston. Role: Academic and thesis committee member (2002-2007). Graduation May 2007. Ms Liendo works at Valley Baptist Medical Center, Harlingen, TX in the Six Sigma Department.
- **Villalon, Consuelo.** Modeling Waist Circumference from Porter High School students in Brownsville, Texas in 2004. The University of Texas Health Science Center at Houston, School of Public Health, Brownsville Regional Campus. Role: Academic committee member and MPH thesis chairman (2002-2006). Graduated May 2006. Ms Villalon works at the Brownsville Community Health Center, Brownsville, TX.
- **Peltz, Gerson.** Serum Leptin values in Mexican Americans: Association with body fat content and body fat distribution. The University of Texas Health Science Center at Houston, School of Public Health, Brownsville Regional Campus. Role: Thesis committee member. Graduated May 2006. Currently Mr. Peltz is a faculty member of the University of Texas at Brownsville, Brownsville, TX.
- **Gutierrez, Elizabeth M.** Social Cognitive Theory and factors associated with Rio Grande Valley educated Hispanics pursuing a career in science. The University of Texas Health Science Center at Houston, School of Public Health, Brownsville Regional Campus. Role: Academic and thesis committee member. Graduated December 2006. Currently Ms Gutierrez works as a Medical Education Assistant Coordinator at The University of Texas Health Science Center at San Antonio. McAllen, TX
- **Pones, Rosa M.** The Association of Eating Habits and Depressive Mood among Hispanic Teenagers in Texas-Mexico Border Community. The University of Texas Health Science Center at Houston, School of Public Health, Brownsville Regional Campus. Role: Academic and thesis committee member. Graduated December 2006. Currently Ms Pones works as a head nurse at Porters High School in Brownsville, TX.
- **Jaimes, Fabian A.** Outcome prognostic factors to Systemic Inflammatory Syndrome (SRIS): Severity Index development. Master in Science in Clinical Epidemiology. Pontificia Universidad Javeriana. Clinical Epidemiology and Biostatistics Unit. Role: thesis committee member. Graduated 2001. Currently Mr Jaimes is a doctoral candidate John Hopkins University and Assistant Professor of Epidemiology National University of Colombia, Medellin, Colombia.

## BS students

- **Lopez, Adriana.** Physiology severity quantification of patients admitted to intensive care using hot deck and simple imputation. Department Statistics. National University of Colombia. Role: Thesis chairman BSc in Statistics (2000). Graduated 2000. Currently, Dr Lopez obtained her degree in Statistical genetics. University of Pittsburg. Pittsburg. USA.
- **González, James A.** An empirical comparison between polytomous logistic regression and tree models. Department of Mathematics and Statistics. National University of Colombia. Role: Thesis chairman BSc in Statistics (1999). Graduated 2000. Mr Gonzalez is a senior statistician at Hospital Militar, Bogotá Colombia.

## BS students (Continuation)

- **Martínez, Hugo A.** Comparison of simple imputation and multiple imputation techniques for missing data when a path analysis with observable variables is planned. Department of Mathematics and Statistics. National University of Colombia. Role: Thesis chairman BSc in Statistics (1999). Graduated 2000. Mr. Martinez is a senior statistician at Nielsen, Bogotá, Colombia.
- **Rondón, Martin A.** Comparison of logistic regression estimates when using multiple imputation and case complete techniques for missing data. Department of Mathematics and Statistics. National University of Colombia. Role: Thesis chairman BSc in Statistics (1998). Graduated 1998. Mr. Rondon is currently assistant professor at Pontificia Universidad Javeriana, Clinical Epidemiology and Biostatistics Unit, School of Medicine. Bogotá. Colombia.
- **Gil, Jacky Fabian A.** Development of a logistic regression model to predict the outcome of Intensive Care Unit patients in Colombia. BSc Thesis. Department of Mathematics and Statistics. National University of Colombia. Role: Thesis chairman BSc in Statistics (1998). Graduated 1998. Meritorious Thesis. Second place awarded. Second place awarded **“Best undergraduate thesis at National University of Colombia” 1999 version.** Mr. Gil is currently assistant professor at Pontificia Universidad Javeriana, Clinical Epidemiology and Biostatistics Unit, School of Medicine. Bogotá. Colombia.

## INVITED TEACHING ACTIVITIES

- Smith, R. and **Pérez, A.** (2007) Sample size issues and determination in maternal and child health. Thirteenth annual maternal and child health epidemiology conference. Sponsored by CDC. December 10-11, 2007. Atlanta, GA. USA.
- **Pérez A.** (2007) [Risk Evaluation Models in Public Health Studies: An Application in Adolescent Obesity] Modelos de evaluación de riesgos en estudios de salud pública: Aplicación en la obesidad de adolescentes. Continuing education course. National University of Colombia Statistical Symposium. August 7-11. Cali, Colombia.
- **Pérez A.** (2003) [Multicenter Studies. Design, Development and Statistical Aspects] Estudios multi-centricos: aspectos estadísticos del diseño y desarrollo. Continuing education course. National University of Colombia Statistical Symposium. Biostatistics. August. Armenia, Colombia.
- **Pérez A** (2000) [Handling Missing Data in Surveys]. Tratamiento de Datos Faltantes en Encuestas Continuing education course and proceedings Statistical Symposium: Census, Surveys and Information Systems. National University of Colombia. August, San Andres. Colombia. Invited speaker
- **Pérez A** (1997) [Continuing education course on Survival Analysis] Taller de Análisis de Sobrevida. National University of Colombia Statistical Symposium. Non-parametrics statistics. Cartagena, Colombia.
- Bangdiwala SI, Cumsille JF, **Pérez A**, Rodríguez MN. (1997) [Workshop on Statistical Methodologies for Classification] Taller de Metodologías Estadísticas para Clasificación. Invited workshop during the III Latino American meeting in Clinical Epidemiology. LATINCLIN III. September. Punta Cana. Dominican Republic.

## PARTICIPATION IN PROFESSIONAL MEETINGS (presenter underlined)

- Sanderson, M., Gupta, V., Peltz G., **Pérez, A.**, Johnson, M., Fadden, M.K. (2009) Validation of Diabetes Reporting among Latina Women With and Without Breast Cancer. Society for Epidemiologic Research meeting, January, Anaheim, CA.
- Sanderson, M., Peltz G., **Pérez, A.**, Johnson, M., Fadden, M.K. (2009) Urinary Isoflavone Concentrations and Breast Cancer among Mexican American Women. American Association for Cancer Research. The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved. February, Carefree, AZ, USA.
- Sanderson, M., Peltz G., **Pérez, A.**, Johnson, M., Fadden, M.K. (2009) Physical Activity and Breast Cancer among Latina Women. American Association for Cancer Research. The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved. February, Carefree, AZ, USA.
- **Pérez, A.** (2008) Longitudinal Aspects of Nonresponse in the Survey of Industrial Research and Development. ENAR March, Arlington, VA.
- Sanderson, M., Peltz, G., **Pérez, A.**, Johnson, M. (2008) Diabetes, physical activity and breast cancer among Hispanic women. The fifth Era of Hope, Breast Cancer Research Program. Department of Defense. Baltimore, MD. June.
- Peltz, G., Sanderson, M., **Pérez, A.**, Johnson, M. (2008) Obesity and body fat distribution among Hispanic women on the Texas-Mexico border. The fifth Era of Hope, Breast Cancer Research Program. Department of Defense. Baltimore, MD. June
- **Pérez A.** (2007) Nonresponse in the Survey of Industrial Research and Development. The 2007 Joint Statistical Meetings. July 28-August 2. Salt Lake City, UT. American Statistical Association.
- **Pérez A**, Hoelscher DM, Springer AE, Brown HS, Barroso C, Kelder SH. (2006/2007) Physical activity and overweight among adolescents in Texas: results from the 2004-2005 span surveillance system. Research Day: New pathways to discovery-clinical & translational research in the 21st century. Houston, TX. Nov17, 2006. p 38. This paper was also presented at the 2007 Annual Meeting of the International Society for Behavioral Nutrition and Physical Activity in Oslo, Norway, June 21-23/2007.
- **Pérez A**, Roberts RE, Sanderson M, Santillana E. (2006) Associated factors with disturbed sleep in adolescents in Matamoros, Tamaulipas, Mexico. Research Day: New pathways to discovery-clinical & translational research in the 21st century. Houston, TX. November 17, 2006. p 39.
- Peltz G, Sanderson M, **Pérez A**, Ochoa D, Fadden MK. (2006) Leptin and body composition in Mexican Americans. Proceedings of the 2006 Annual Scientific Meeting of NAASO, The Obesity Society, October 20-24, Boston, MA.
- **Pérez A.** (2006) Longitudinal Evaluation of Point and Variance Estimates in an Establishment Survey After Ratio Imputation. The 2006 Joint Statistical Meetings. August 6-10. Seattle, WA. American Statistical Association.
- **Pérez A**, Solarte I, Caicedo M, Restrepo S. (2006) Modeling the effect of daily particulate matter air pollution (PM10) concentrations on respiratory morbidity. Western North American Region of the international Biometric Society paper session 4: regression. June. Flagstaff, AZ.
- Sanderson M, Sparrow P, Peltz G, **Pérez A**, Johnson M. (2006) Association Between Breast and Cervical Cancer Screening and Self-Rated Health by Ethnicity. Second North American Congress of Epidemiology, June 21-24, Seattle, WA.
- **Pérez A** and Fernandez ML. (2006) Point and Variance Estimates in a graduate student survey after imputation: A longitudinal perspective. The 5th Annual Hawaii International Conference on Statistics, Mathematics and Related Fields, Honolulu, HI, January, 2006

## PARTICIPATION IN PROFESSIONAL MEETINGS (presenter underlined)

- Pérez A. (2005) Methodology to evaluate longitudinal estimates after imputation in a graduate student survey. The 2005 Joint Statistical Meetings. August 7-11. Minneapolis, MN. USA. American Statistical Association. p 439.
- Peltz G., Sanderson M, **Pérez A**, Estrada JK, Johnson M. (2005) Use of mammography by Texas-Mexico border residence and ethnicity. Proceedings Era of Hope 2005. Department of Defense Breast Cancer Research Program Meeting. Philadelphia, PA, June 8-11, 2005.
- **Pérez A**, Hoelscher DM., Brown HS, Kelder SH. (2005) Food Consumption Patterns of Children in 4th, 8th and 11th Grades in Texas. Proceedings International Society for Behavioral Nutrition and Physical Activity (ISBNPA). Amsterdam 2005. paper 4-50637, p 167.
- Casares D., Garcia E, Fadden MK, Sanderson M, **Pérez A**, Peltz G. (2005) Correlation study of body mass index and bioelectrical impedance analysis in Mexican Americans. Proceedings 7<sup>th</sup> Annual University of Texas at Brownsville/Texas Southmost College Research Symposium. April 15, 2005. p 3.
- Peltz G., Casares DO, Garcia E, Fadden MK, Sanderson M, **Pérez A**. (2005) Abdominal adiposity in Mexican Americans. Proceedings 7<sup>th</sup> Annual University of Texas at Brownsville/Texas Southmost College Research Symposium. Brownsville, TX. 04/15/2005. p 4.
- Santillana O., **Pérez A**, Hoelscher DM. (2005) Programming aspects of statistical analysis of the School Physical activity and nutrition survey. Proceedings 7<sup>th</sup> Annual University of Texas at Brownsville/Texas Southmost College Research Symposium. Brownsville, TX. 04/15/2005. p 8.
- Fernandez ML and **Pérez A**. (2005) Relationship between nurses and physicians in the intensive care unit. Proceedings 7<sup>th</sup> Annual University of Texas at Brownsville/Texas Southmost College Research Symposium. Brownsville, TX. 04/15/2005. p 11.
- Renfro A, Fisher-Hoch S, Innis-Whitehouse W, Pones R, Sandoval O, Nino J., **Pérez A**. (2005) Determination of prevalence of obesity and type 2 diabetes in Hispanic adolescents in the Lower Rio Grande Valley. Proceedings 7<sup>th</sup> Annual University of Texas at Brownsville/Texas Southmost College Research Symposium. Brownsville, TX. 04/15/2005. p 12.
- Brown HS III., **Pérez A**, Kelder S, Hoelscher D. (2005) An economic analysis of a school-based childhood obesity intervention in a hispanic community: The coordinated approach to child health. Atlanta, GA, March 2005. CDC 19th National Conference on Chronic Disease Prevention and Control.
- Peltz G, Sanderson M, **Pérez A**, Estrada JK, Johnson M. Use of mammography by Texas-Mexico border residence and ethnicity. 4th Department of Defense Breast Cancer Research Program Meeting, Philadelphia, PA, June 2005.
- Peltz G, Casares DO, Fadden MK, Calil RC, **Pérez A**, Sanderson M. (2005) The Use of Body Mass Index for the Diagnosis of Obesity in Mexican Americans: A Comparative Study with Bioelectrical Impedance Analysis. Proceedings of the NAASO. The Obesity Society. Oct 14-20. Vancouver, VA, Canada.
- Santillana O., **Pérez A.**, Hoelscher, D.H. (2005) Macros used to Analyze the School Physical Activity and Nutrition Survey. Research day at The University of Texas Health Science Center at Houston. New Pathways to Discovery Interdisciplinary Training & Research. November 18. Houston, TX.
- Pérez A., Chan W, Dennis RJ. (2004) Predicting the length of stay of patients in intensive care units using a markovian model. XXII International Biometric Conference. IBC2004. July 11-16. Cairns, Australia.

## PARTICIPATION IN PROFESSIONAL MEETINGS (presenter underlined)

- **Pérez A**, Finamore J, Stratton JH. (2004) Using the fractional imputation methodology to evaluate variance due to hot-deck imputation in survey data. The 2004 Joint Statistical Meetings. August 8-12. Toronto, ON, Canada. American Statistical Association. P 219.
- **Pérez A**, **Dennis RJ**, Rodriguez B, Castro AY, Delgado V, Lozano JM.(2004) Improvement of Parenteral Antibiotic use in a University Hospital in Colombia. Proceedings of the II International Conference on Improving Use of Medicines. March 30-April 2, Chiang Mai, Thailand.
- **Brown HS**, **Pérez A**. (2004) Tuberculosis and diabetes: Endogeneity in estimates of comorbidity?. 8<sup>th</sup> Annual Conference of the International Union Against Tuberculosis and Lung Disease-North American Region B, February 26 – 28, Austin, Texas, USA.
- **Pérez A**, Restrepo BI, Brown, HS. (2004) The strength of association between tuberculosis and diabetes in the Lower Rio Grande Valley (LRGV), TX. 8<sup>th</sup> Annual Conference of the International Union Against Tuberculosis and Lung Disease-North American Region B, February 26 – 28, Austin, Texas, USA.
- **Restrepo BI**, Fisher-Hoch S, McCormick JB, Smith B, Lopez F, Graviss E, Rendon A and the Texas-Mexico TB consortium. (2004) Creation of a NIH funded research consortium to study DR and MDR TB transmission between South Texas and North-East Mexico. 8<sup>th</sup> Annual Conference of the International Union Against Tuberculosis and Lung Disease-North American Region B, February 26 – 28, Austin, Texas, USA.
- **Pérez A** (2003) [Predicting the length of stay of patients in intensive care units using a markovian model]. Predicción de la Longitud de Estancia en Pacientes Admitidos a Unidades de Cuidado Intensivo en Colombia Usando un Modelo Markoviano discreto. Proceedings Statistical Symposium: Statistical in the Health Sciences. National University of Colombia. August, Armenia. Available in CD Rom
- **Pérez A**, Gil JFA, **Castañeda JA**. (2003) [MS-Excel routine complement to compute the Sample size in some health research designs] Complemento de MS-Excel para el cálculo del tamaño de la muestra en algunos diseños de investigación en salud. VII Congreso de Investigación en la Pontificia Universidad Javeriana. August 26-29. Bogota-Colombia, p149.
- **Pérez A**, **Gil JFA**, **Castañeda JA**. (2003) [Monte Carlo simulation methods, Sample size and logistic regresión] Métodos de simulación de Monte Carlo, tamaño de la muestra y regresión logística. VII Congreso de Investigación en la Pontificia Universidad Javeriana. August 26-29. Bogota-Colombia, p165.
- **Rondón MA**, Contento MR, Dennis RJ, **Pérez A**. (2003) [Assessment of the institutional performance of intensive care units (UCI) through risk mortality ratios. An example with 20 colombian institutions] Evaluación de desempeño institucional para unidades de cuidado intensivo (UCI) a través de tasas de mortalidad: Un ejemplo con 20 instituciones colombianas. VII Congreso de Investigación en la Pontificia Universidad Javeriana. August 26-29. Bogota-Colombia, p159.
- **Pérez A**, Castro, AY, Dennis RJ. (2002) An Interrupted Time Series análisis of Parental Antibiotic Use in Colombia. The 2002 Joint Statistical Meetings, August 11-15, New York, p16.
- **Pérez A**, Dennis RJ, Gil JFA, Rondon MA, Lopez A. (2002) Comparing three imputation techniques on a severity of disease classification system. Oral presentation. Global Meeting XVII from the International Clinical Epidemiology Network. February. Sharm El Sheik, Egypt. Proceedings Oral=67 page 76.

## PARTICIPATION IN PROFESSIONAL MEETINGS (presenter underlined)

- Pérez A, Gil JFA, Dennis RJ. (2002) A multivariable prognostic model for hospital mortality of intensive care patients in Colombia. Poster presentation. Global Meeting XVII from the International Clinical Epidemiology Network. February. Sharm El Sheik, Egypt. Poster presentation
- Gil JFA, Pérez A, Castañeda JA. (2002) Do you have enough power when using sample size formulae for logistic regression? Poster presentation. Global Meeting XVII from the International Clinical Epidemiology Network. February. Sharm El Sheik, Egypt. Poster presentation
- Rondon MA, Pérez A, Dennis RJ (2002) Estimating rank variability of twenty intensive care units in Colombia. Poster presentation. Global Meeting XVII from the International Clinical Epidemiology Network. February. Sharm El Sheik, Egypt. Poster presentation
- Lopez, A., Pérez, A. (2001) Quantification of the physiological severity of patients admitted in intensive care units using single and hot deck imputation methods. Poster presentation. XVI SIDIM. February 22th and 23th, 2001. University of Puerto Rico. Humacao Campus. Humacao, PR
- Pérez A, Gil JFA, Castañeda JA. (2001) [Sample size in research when a survival análisis is planned] Tamaño de la muestra en investigaciones donde se planea un análisis de sobrevivencia. VI Congreso de Investigación. Pontificia Universidad Javeriana. October 31-November 2. Bogota-Colombia, MD 20, p163.
- Pérez A, Gil JFA, Castañeda JA. (2001) [A closed formula to estimate the required sample size for the lognormal mean] Formula cerrada para calcular el tamaño de la muestra necesario cuando se desea estimar la media aritmética de una distribución lognormal. VI Congreso de Investigación. Pontificia Universidad Javeriana. October 31-November 2. Bogota-Colombia, MD18, p161.
- Pérez A, Castañeda JA, Gil JFA (2001) [How to compute the empirical power from existing formulae when a logistic regression análisis is planned] Calculo del poder empírico para las formulas existentes de tamaño de la muestra cuando se planea un análisis de regresión logística. VI Congreso de Investigación. Pontificia Universidad Javeriana. October 31-November 2. Bogota-Colombia, MD 15, p158.
- Pérez A, Dennis RJ, Gil JFA, López A, Rondón MA (2001) [Exemplification on the use of three imputation techniques when computing APACHE II and its use to predict mortality in intensive care units in Colombia] Ejemplificación del uso de tres técnicas de imputación para el calculo de APACHE II y su uso en la predicción de mortalidad en cuidado intensivo en Colombia. VI Congreso de Investigación. Pontificia Universidad Javeriana. Oct 31-Nov 2. Bogota-Colombia, MD 16, p 159.
- Gil JFA, Castañeda JA, Pérez A (2001) [Sample size required in confiability studies] Tamaño de la muestra requerido en estudios de confiabilidad. VI Congreso de Investigación. Pontificia Universidad Javeriana. Oct 31-Nov 2. Bogota-Colombia, MD 21, p 164.
- Pérez A, Rodríguez B, Castro MC, Dennis RJ. (2001) [Improvement on the antibiotic use in Hospital Universitario San Ignacio] Mejoramiento del uso de antibióticos en el Hospital Universitario San Ignacio. VI Congreso de Investigación. Pontificia Universidad Javeriana. Oct 31-Nov 2. Bogota-Colombia, MD 19, p 162.
- Castro A, Pérez A, Rojas MX. (2001) [Nurse resources in the intensive care units in Colombia] El recurso de enfermería en las unidades de cuidado intensivo en Colombia. VI Congreso de Investigación. Pontificia Universidad Javeriana. Oct 31-Nov 2. Bogota-Colombia, MD 17, p 160.

## **PARTICIPATION IN PROFESSIONAL MEETINGS** (presenter underlined)

- Rondon MA, Pérez A, Dennis RJ. (2001) [Ranking of 20 intensive care units in Colombia using their rank variability] Ranqueo de 20 unidades de cuidado intensivo (UCI) en Colombia teniendo en cuenta la variabilidad de los rangos. VII Biometry Meeting from Central American, Colombia and the Caribbean, November 7-10. CATIE. Turrialba, Costa Rica. Available in CD rom and at [www.tibs.org/conferencepast.htm](http://www.tibs.org/conferencepast.htm).
- Pérez A, Dennis RJ, Gil JFA, Rondon MA, Lopez, A. (2000) [Use of imputation techniques to predict outcome in intensive care in Colombia] Uso de tres técnicas de estimación de valores faltantes en la predicción de mortalidad de cuidado intensivo en Colombia. Proceedings Statistical Symposium: Census, Surveys and Information Systems. National University of Colombia. August, San Andres. Colombia. Available in CD rom.
- Pérez A, Dennis RJ, Gil JFA (2000) Development of a Clinical Prediction Model for Hospital Mortality of Intensive Care Patients in Colombia. 21<sup>st</sup> Meeting of the International Society for Clinical Biostatistics. Trento, Italy. P21
- Gil JFA, Pérez A, Castañeda JA (2000) [Sample size required when a logistic regression analysis is planned] Tamaño de la Muestra requerido cuando se planea un análisis de regresión logística. Proceedings Statistical Symposium: Census, Surveys and Information Systems. National University of Colombia. August, San Andres. Colombia. Available in CD rom.
- Pérez A, Dennis RJ, Gil JFA, Rondón MA y López A. (2000) Use of the Multiple Imputation technique to Predict Outcome in Intensive Care Unit Patients. 21<sup>st</sup> Meeting of the International Society for Clinical Biostatistics. Trento, Italy. P54
- Pérez A. (2000) [Handling Missing Data in Surveys]. Tratamiento de Datos Faltantes en Encuestas Continuing education course and proceedings Statistical Symposium: Census, Surveys and Information Systems. National University of Colombia. August, San Andres. Colombia. Available in CD Rom.
- Morillo LE, Pérez A, Sanín LC, Takeuchi Y, Garcia F, Núñez L, Macias MA, Plasencia N, Simonovitz A, Aranaga N, Garrido J, Alarcon F, Estevez E, Monzillo P, Conterno L, Rodriguez C, Leston J, Chapman E, Loboguerrero D. (2000) Prevalence, health resource use, subdiagnosis and self medication of migraineurs in 12 urban communities of Latin America. Proceedings from the Headache World 2000 meeting, London, England Sep 6, LB03, p48.
- Heller D, Otero A, Calderon C, Moreno S, Pérez A, Roselli D. (2000) Women in specialized medicine in Colombia. Association for Medical Education in Europe. Annual Conference. Beer Sheva, Israel. P47, 7B 10.
- Otero A, Heller D, Moreno S, Calderon C, Pérez A, Roselli D (2000) Management administration and postgraduate education using 'capture-recapture' to estimate specialized medical workforce. Association for Medical Education in Europe. Annual Conference Beer Sheva, Israel. P28, 6B/6.
- Pérez A (2000) [Available software to handling Missing Data]. Software disponible para el manejo de datos faltantes Proceedings Statistical Symposium: Census, Surveys and Information Systems. National University of Colombia. August, San Andres. Colombia. Available in CD Rom.
- Pérez A and Yepes FJ. (1999) Use of interrupted time series analysis in performance evaluation of public hospitals under a new entrepreneurial model. Poster presentation. Global Meeting XVI from the International Clinical Epidemiology Network. March. Bangkok, Thailand. Poster presentation

## **PARTICIPATION IN PROFESSIONAL MEETINGS** (presenter underlined)

- Dennis RJ, Pérez A, McPherson K, Metcalfe A, Londoño D, Gomez C. (1999) Evaluation of Intensive Care Unit (ICU) Provision in Colombia. Poster presentation. Global Meeting XVI from the International Clinical Epidemiology Network. March. Bangkok, Thailand. Poster presentation
- Dennis RJ, Pérez A, Lozano JM, Rodríguez B, Gómez G (1999) Parental Antibiotic Use in a University Hospital. Poster presentation. Global Meeting XVI from the International Clinical Epidemiology Network. March. Bangkok, Thailand. Oral presentation
- Pérez A, Rodríguez N, Gil JFA, Ramírez GA. (1998) "Tamaño de la Muestra: A computer program to estimate the required sample size and power in clinical research". Presented at Latinclen IV, Punta Cana. Dominican Republic. September
- Pérez A and Lefante JJ (1997) Exact Sample Size and the Effect of Censoring for Estimating the Arithmetic Mean of a Lognormal Distribution. INCLen XIV Meeting. Penang, Malasia
- Londoño D, Lobelo R, Pérez A, Bermúdez M, Dennis JR, Roa J, Solarte I, Sanín A. (1996) [Quantification of clinical and para-clinical associated factors to Pulmonary Embolism] Cuantificación de los Factores de Riesgo Clínicos y Paraclínicos para el Diagnóstico de la Embolia Pulmonar. XIV Congress of Internal Medicine in Colombia. Bogota, Colombia
- Pérez A and Lefante JJ (1996) "How Much Sample Size is Required to Estimate the True Arithmetic Mean of a Lognormal Distribution?" Joint Statistical American Meetings, Chicago. IL
- Pérez A (1996) On measurement Error Adjustment for the Required Sample Size to Estimate the Lognormal Mean Under the Presence of Type I Censoring : A Theoretical Approach. Presented at Latinclen II. September, Huatulco, Mexico.
- Londoño D, Bermúdez M, Dennis JR, Solarte I, Pérez A. (1996) A Cost Benefit Analysis to Evaluate the Factibility of a Program Against Smokers at Javeriana University. Latinclen II. September, Huatulco, Mexico
- Pérez A and Lefante JJ (1996) Sample Size Approximation for Estimating the Arithmetic Mean of a Lognormally Distributed Random Variable With and Without Type I Censoring. Free University. XVIIIth International Biometric Conference. July, Amsterdam, The Netherlands.
- Correa P, Fonham ETH, Ruíz B, Pérez A, Hunter FM. (1994) Race, Diet and Lifestyle Factors Associated with *Helicobacter pylori* Infection and Chronic Gastritis. *Helicobacter pylori* : beginning the second decade and the VIIth workshop on gastroduodenal pathology and Helicobacter pylori. Meeting of the European Helicobacter pylori Study Group. Houston, TX. Abstract # 73.

## **GRANT/CONTRACT UNDER REVIEW/SUBMITTED, PLANNED OR UNFUNDED**

**Grant Title:** Research supplement to promote diversity in health related research Perez

Funding Agency: NIH. NCI

Period of funding: 04/01/2008-03/31/2012 (\$382,692).

Role:Co- Investigator (22.4%) (PI: Carroll, R.). Status: partially funded until 04/10.

**Grant Title:** University of Louisville's Clinical and Translational Sciences Institute

Funding Agency: NIH.Period of funding: 07/01/2009-06/30/2014 (\$3,960,124).

Role: Biostatistician (0%) (PI: McClain, C.) Status: Score 174. Unapproved

**Grant title:** K07 award "Assessment of socio-economic well being in oncology. Funding Agency: NIH. PI. Head, B. Role: Biostatistician(StCC).Status: Score 190 pending funding.

**Grant Title:** The Neuronal Circuitry Ecstasy Action  
Funding Agency: NIH.  
Period of funding: 09/01/2008-08/31/2013 (\$180,094).  
Role:Co- Investigator (19%) (PI: Dafny, N.). Status: Unapproved, planned resubmission

**Grant Title:** Center of excellence for diabetes in American Mexican descent  
Funding agency: NIH. NCHHD RFA-MD-06-003  
Period of funding: 10/01/2007-09/30/12 (\$7,003,195)  
Role: Co-investigator (5%) (PI: McCormick). Status: Awarded but I relocated

**Grant Title:** CATCH e-Kid's Club: A web and group-based after-school obesity prevention program. Funding Agency: NIH. Period of funding: 09/01/2007-08/30/2011 (\$498,187). Role: Co-Investigator (10%) (PI: Hoelscher). Status: Unapproved

**Grant Title:** Ecological and Human Behavioral Determinants of Risk of Dengue Virus Infection on the Texas-Mexico Border. Funding Agency: NSF. Period of funding: 12/01/2007-09/30/2011 (\$290.163). Role: Co- Investigator (10%) (PI: McCormick). Status: Unapproved

**Grant Title:** Survey of industrial research and development: evaluation of imputation methods  
Funding Agency: NSF 05-546  
Period of Funding: 05/01/2006-/04/31/2009 (\$444.554)  
Role: Principal Investigator (25%). Status: Unapproved

**Grant Title:** Hazardous air pollutant and Lymphohematopoietic cancer incidence in Houston.  
Funding Agency: NIH  
Period of Funding: 07/01/2007-/06/30/2009 (\$50.000)  
Role: Co-investigator (25%) (PI: Symanski). Status: Unapproved

**Grant Title:** CAREER: Development of survey and statistical methods to account for missing data uncertainty  
Funding Agency: NSF 05-579  
Period of Funding: 02/01/2006-/01/31/2011 (\$828,647)  
Role: Principal Investigator (50%). Status: Unapproved

**Grant Title:** School-based health promotion, Food taxes and Child Nutrition and Overweight.  
Funding Agency: NIH National Institute of Child Health and Human Development (NICHD)  
Period of Funding: 07/01/2007-06/30/2009 (\$150.000).  
Role:Co-Investigator (5%) (PI: Brown)Status: Unapproved

**Grant Title:** A Multimedia/Physical Activity After-School Program For Obesity Prevention  
Funding Agency: NIH  
Period of Funding: 9/30/2005-9/29/2010 (\$499.659)  
Role: CO-Investigator (5%) (PI: Hoelscher, D.) Status: Unapproved

**Grant Title:** Patients with type 2 diabetes have increased risk of MDR Tuberculosis  
Funding Agency: NIH  
Period of Funding: 12/1/2005-11/30/2009 (\$339,013)  
Role: CO-Investigator (5%) (PI: Fisher-Hoch, S.). Status: Unapproved

**Grant Title:** Statistical methods evaluating the effect of missing data and values below the detection limit on estimates of children's aggregate and cumulative exposure to pesticides

Funding Agency: NSF-MPS

Period of Funding: 06/01/2005-/05/30/2007 (\$170.006)

Role: Principal Investigator (25%) Status: Unapproved

**Grant Title:** Liberalization of drug prescription requirements. A natural experiment on the US-Mexican border. Funding Agency: PHRMA

Period of Funding: 01/01/2005-/12/31/2007 (\$48.918)

Role: Co-Investigator (5%) PI. Brown, H.S. Status: Unapproved

**Contract Title:** Task Order #5, Prevalence of LTBI among high risk populations in the US and Canada. Funding Agency: CDC. Period of Funding: 1/1/2003-12/31/2004 (\$150.0000 subcontract UTSPH). Role: Consultant (5%) (PI: Edward Graviss). Status: Unapproved

**Grant Title:** Pilot Study to determine HPV16 viral mechanisms underlying the increased rates and younger age of cervical cancer in Hispanic women

Funding Agency: NIH: PA-01-021

Period of Funding: 11/01/2002-10/31/2004 (\$124.500)

Role: Co-Investigator (5%) (PI: S. Fisher-Hoch). Status: Unapproved

**Contract Title:** Mentoring and Diabetes Self-management

Funding Agency: The Robert Wood Johnson Foundation

Period of Funding: February 1, 2003 – April30, 2004 (\$23.891 subcontract UTSPH, \$299.891 Brownsville Community Health Center )

Role: Consultant (10%) (PI: H. Sidiq). Status: Unapproved

**Grant Title:** Pap Test Screening among Latina on the TX-Mexico Border

Funding Agency: NIH/NCI

Period of funding: 7/1/2004-6/30/2009 (\$3.555.643)

Role: Investigator (10%) (PI: Maria Fernandez). Status: Unapproved

**Grant Title:** Statistical methods evaluating the effect of missing data and values below the detection limit on estimates of children's aggregate and cumulative exposure to organophosphate pesticides

Funding Agency: Environmental Protection Agency (EPA)

Period of funding: 9/1/2004-8/30/2006 (\$199.352)

Role: Principal Investigator (30%) (PI: Adriana Pérez). Status: Unapproved

**Grant Title:** Building clinical and research capacity in Autism Epidemiology in Colombia, Initial phase. Funding Agency: Autism Speaks.

Period of Funding: 01/01/2009-12/31/2011

Role: Biostatistician (3%) (PI: Gomez, C.) Status: Unapproved

## **OTHER ACTIVE RESEARCH**

**Project Title:** Matamoros Youth Risk Behavior Survey

Role: Co-Principal Investigator

Comment/Description: This project has been planned, developed, conducted and analyzed since my arrival to the School of Public Health as a co principal investigator with Dr Belinda Reininger. We are in the publication phase of this project. 10/12/2001- 12/31/2009.

**Project Title:** CagA and Helicobacter pylori-related diseases: A meta analysis

Role: Investigator

Comment/Description: This project is conducted by Dr Lori Fischbach in Dallas. We have been working collaboratively in the conduction of this meta-analysis since my arrival to the School. Currently we are in the analysis phase and hopefully by next year we will submit the results for publication. 01/01/2002- 12/31/2009.

## LANGUAGES SKILLS

Spanish : Mother tongue; English: Excellent ; French: Good

## OTHER SUPPORT

2007, The National University of Colombia and ICETEX travel award

2004, International Biometric Society travel award

2003, The National University of Colombia travel award

2002, International Clinical Epidemiology Network travel grant

2000, International Society for Clinical Biostatistics travel grant

1999, International Clinical Epidemiology Network travel grant

1997, International Clinical Epidemiology Network travel award

1996, Tulane University, travel award

1996, Latino American Network of Clinical Epidemiology and Biostatistics, travel grant

1996, International Biometric Society travel award

## COMPUTER SKILLS

Statistical Software	SAS, S-Plus, Stata, SPSS, Statgraphics
Applications	Microsoft Professional, Foxpro, Frontpage, etc.
Forms Design Software	Teleform
Operating Systems	Windows/Unix/Linux

## THESES/DISSERTATION

**Pérez, A.** (1995). Sample Size Approximation for Estimating the Arithmetic Mean of a Lognormally Distributed Random Variable With and Without Type I Censoring. *Doctoral Thesis*. Tulane University. Supervisor: Dr. John J. Lefante.

**Pérez, A.** (1991) Simple and Multiple Correspondence Analysis in the Statistical Analysis System (SAS) (in Spanish). *Bachelor Thesis*. Department of Statistics. National University of Colombia. Bogotá, Colombia. Supervisor: Leonardo Bautista.

**References Upon Request**