

Julio L. Peixoto, Ph.D.

Curriculum Vitæ

May 2013

STATISTICIAN

Julio L. Peixoto
500 West Roy St. #W103
Seattle, WA 98119

Phone: 916-585-3730

Email: julepe@gmail.com

WWW: <http://www.julepe.org/Professional>

PROFESSIONAL SKILLS:

- Extensive R&D, teaching, and consulting experience in statistical theory and methods, including: design and analysis of statistical experiments (DOE), reliability, statistical quality control, probability and stochastic models, regression analysis, multivariate statistics, sampling, general quantitative methods.
- Recent work in the aerospace industry, rich in diverse and complex problems, has led to other areas such as data mining, design and analysis of computer experiments, and statistical tolerancing.
- Proficient in the use of several computer systems and statistical packages (SAS, JMP, MINITAB, R, Design Expert, Data Analysis with Excel), and other software. Has been teaching statistical computations for more than 20 years.

EDUCATION:

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| <ul style="list-style-type: none">→ Ph.D. IN STATISTICS, Iowa State University. Grade Point Average: 4.00 (A=4.00)
Thesis: "Estimation of Random Effects in the Balanced One-Way Classification" (supervised by Prof. David A. Harville).→ M.S. IN STATISTICS, Iowa State University. Grade Point Average: 3.93 (A=4.00)
Thesis: "An Econometric Model for Uruguayan Wheat, Sunflower, and Corn Acreage" (supervised by Prof. J. Jeffery Goebel)→ M.S IN ECONOMICS (ECONOMISTA), Universidad de la República, Uruguay. | <p>Thesis: "Estudios Económicos Sobre Algunos Cultivos Agrícolas" (supervised by Prof. Ariel Davrieux).</p> <ul style="list-style-type: none">• LEAN SIX SIGMA BLACK BELT, ADVANCED MASTER CERTIFICATE, Villanova University, 2009.• CONTINUING EDUCATION. Courses in Repeated Measures Methodology, SAS, Clinical Trials, and others.• Courses in Economics and Mathematics, University of Chicago, Department of Economics. |
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PROFESSIONAL EXPERIENCE:

- SENIOR STATISTICIAN, Applied Statistics Group. [The Boeing Company](#), Seattle, WA. Responsibilities: Instructor, consultant, research analyst with services offered to the entire company, all over the world (has worked in the Seattle area, St. Louis, southern California and other Boeing US locations; multiyear collaboration with Boeing Madrid; consultant to Boeing providers in Japan – among others). Has worked in many commercial and military aerospace projects. Has worked with the International Civil Aviation Organization (ICAO) and the Federal Aviation Administration (FAA). Main areas: Design and Analysis of Experiments (DOE), Reliability, Quality Control, Regression, Statistical Modeling, Air Traffic Management Statistics, other Statistical Methods. Theory and applications to the aerospace industry. In charge of statistical training program offered company-wide. From January 2001 to present.
 - PROFESSOR (Associate, Assistant), [Department of Decision and Information Sciences](#), Bauer School of Business, University of Houston (UH). Responsibilities: research, graduate teaching, consulting, supervision of Ph.D. students. Courses taught: Business Statistics, Regression Analysis, Multivariate Statistical Methods, Linear Models, Design and Analysis of Experiments. (1982 to 2000, Visiting Assistant Professor in 1982. Assistant Professor from 1983 to 1989. Promoted to Associate Professor with Tenure in 1989. Also, see my [web page at UH.](#))
 - ASSOCIATE PROFESSOR OF STATISTICS, Madrid Business School (MBS), Madrid, Spain. (MBA international program jointly organized by MBS and UH.) Assigned by the College of Business Administration, University of Houston. Responsibilities: research and teaching of Business Statistics and Mathematics. [Spring semesters (January-June) of 1989 and 1990.]
 - STATISTICAL CONSULTANT
 - *Actuarial Research Group* (Now [Myron Steves Insurance Solutions](#)) Responsibilities: statistical modeling and analysis for legal litigation (1999, 2000).
 - [W.J. Murray and Assoc.](#) Responsibilities: statistical modeling of oil-lubricant engine tests, experimental designer, (1997 to 2000 — although still available as one of its researchers).
 - [InterAmerican Development Bank](#). Responsibilities: consulting in a project for privatization of public enterprises in Nicaragua (1992 and 1993).
 - *Practical Tank Management*, Houston, TX. Responsibilities: assist in research and development of Statistical Inventory Reconciliation to use as a method of leak detection and prediction in underground fuel storage tanks (1993 to present).
 - [Gelb Consulting Group Inc.](#), Houston, TX. Responsibilities: design and analysis of a nationwide survey of restaurants and other eating places (1991).
 - [Centro de Investigaciones Económicas \(CINVE\)](#), Montevideo, Uruguay. Responsibilities: statistical consulting in a research on the profitability of new technologies in the cattle-growing industry of Uruguay (1979).
 - STATISTICIAN, [Ministerio de Economía y Finanzas](#) (Ministry of the Economy and Finances), Montevideo, Uruguay. Responsibilities: to advise the Minister of the Economy in statistical and econometric matters. (From 1976 to 1978.)
 - TEACHING ASSISTANT, [Department of Statistics and Statistical Laboratory](#), Iowa State University, Ames, Iowa. Responsibilities: to teach undergraduate courses in Statistics. (From 1979 to 1982.)
 - TEACHING ASSISTANT at various levels, [Facultad de Ciencias Económicas y de Administración](#), Universidad de la
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República, Montevideo, Uruguay. Responsibilities: to assist in the teaching of courses in Statistics, Econometrics, Operations Research, Macroeconomics, and Advanced Calculus. (From 1971 to 1976.)

cas y de Administración, Universidad de la República, Montevideo, Uruguay. Responsibilities: to assist in various statistical projects including a monthly consumer price index and an unemployment survey. (From 1973 to 1974.)

→ RESEARCH ASSISTANT, [Instituto de Estadística](#), Facultad de Ciencias Económicas

OTHER:

PROFESSIONAL ACTIVITIES:

Member of:

- *American Statistical Association* (and its Houston area chapter)
- *Inter-American Statistical Institute*
- *Institute of Mathematical Statistics*
- *Colegio de Contadores y Doctores en Ciencias Económicas del Uruguay*

Reviewer of articles for:

- *Journal of the American Statistical Association*
- *The American Statistician*
- *Journal of Statistical Planning and Inference*
- *Biometrika*
- *Communications in Statistics*
- *Linear Algebra and its Applications*
- *Mathematical Reviews*
- *Technometrics*

Listed in:

- *The International Directory of Distinguished Leadership*
- *International Leaders in Achievement*
- *Who's Who in American Education*
- *Who's Who in Technology Today*
- *Who's Who of Emerging Leaders in America*
- *Who's Who in the South and Southwest*

HONORS:

- National Science Foundation grant, 1993
- Inter-American Statistical Institute grant, 1993
- Halliburton Research Award, 1989
- Halliburton Research Award, 1988
- Halliburton Research Award, 1986
- Elected to Phi-Kappa-Phi, Honor Society (1978)
- Elected to Mu-Sigma-Rho, Statistical Honor Society (1978)
- Scholarship from the Agency for International Development (1977-1979)

LANGUAGES:

- SPANISH: can read, understand, talk, and write very well (native language).
- ENGLISH: can read, understand, talk, and write very well.
- PORTUGUESE: can read and understand very well, talk and write well.
- FRENCH: can read well.
- ITALIAN: can read well.

ADDENDA:

The following addenda to the *Curriculum Vitæ* can be found on the indicated web page.

- ADDENDUM A: Publications
<http://www.julepe.org/Professional/cv/Publications.pdf>
- ADDENDUM B: Seminars and Other Technical Presentations
<http://www.julepe.org/Professional/cv/Seminars.pdf>
- ADDENDUM C: Courses Taught
<http://www.julepe.org/Professional/cv/Courses.pdf>

REFERENCES :

Please write to me at

JuLePe@Gmail.com

to request references.
