

# Julio L. Peixoto, Ph.D.

*Curriculum Vitæ*

August 2009

## STATISTICIAN

**Julio L. Peixoto**  
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**Seattle, WA 98119**

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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 (including mainframes, PC's, MS, and UNIX systems), statistical packages (SAS, JMP, MINITAB, Design Expert, Data Analysis with Excel), and other software. Has been teaching statistical computations for more than 20 years.

## EDUCATION:

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| <p>→ Ph.D. IN STATISTICS, August 1982, Iowa State University.<br/>Grade Point Average: 4.00 (A=4.00)<br/>Thesis: "Estimation of Random Effects in the Balanced One-Way Classification" (supervised by Prof. David A. Harville).</p> <p>→ M.S. IN STATISTICS, Iowa State University.<br/>Grade Point Average: 3.93 (A=4.00)<br/>Thesis: "An Econometric Model for Uruguayan Wheat, Sunflower, and Corn Acreage" (supervised by Prof. J. Jeffery Goebel)</p> <p>→ M.S IN ECONOMICS (ECONOMISTA), Universidad de la República, Uruguay.</p> | <p>Thesis: "Estudios Económicos Sobre Algunos Cultivos Agrícolas" (supervised by Prof. Ariel Davrieux).</p> <ul style="list-style-type: none"><li>• LEAN SIX SIGMA BLACK BELT CERTIFICATE, Villanova University. To be completed in October 2009.</li><li>• CONTINUING EDUCATION. Courses in Repeated Measures Methodology, SAS, Clinical Trials, and others.</li><li>• Courses in Economics and Mathematics, University of Chicago, Department of Economics.</li></ul> |
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## PROFESSIONAL EXPERIENCE:

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- 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 Repú-
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blica, Montevideo, Uruguay. Responsibilities: to assist in the teaching of courses in Statistics, Econometrics, Operations Research, Macroeconomics, and Advanced Calculus. (From 1971 to 1976.)

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

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.)

## 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.

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## ADDENDA:

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The following addenda to the *Curriculum Vitæ* are attached — and can also 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>
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## ADDENDUM A: PUBLICATIONS

### SELECTED JOURNAL ARTICLES:

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| <ul style="list-style-type: none"> <li>→ Kadipasaoglu, S.N., Peixoto, J.L., and Khumawala, B.M. (1999), "Global Manufacturing Practices: An Empirical Evaluation," <i>Industrial Management and Data Systems</i>, Vol. 99, No. 3, pp. 101-108.</li> <li>→ Peixoto, J.L., and Díaz-Sáiz, J. (1996), "On the Construction of Hierarchical Polynomial Regression Models," <i>ESTADÍSTICA, Journal of the Inter-American Statistical Institute</i> Vol 48, 150, 151, pp. 175-210.</li> <li>→ Peixoto, J.L. (1993), "Four Equivalent Definitions of Reparametrizations and Restrictions in Linear Models," <i>Communications in Statistics—Theory and Methods.</i>, Vol 22, No. 1, pp. 283-299.</li> <li>→ Peixoto, J.L. (1993), "Incorrect F-Formulas in Linear Regression Models," <i>The American Statistician</i>, Vol. 47, No. 3, pp. 194-197</li> <li>→ Peixoto, J.L. (1990), "A property of well-formulated polynomial regression models," <i>The American Statistician</i>, Vol. 44, No. 1, pp. 26-30.</li> <li>→ Peixoto, J.L. and LaMotte, L.R. (1989), "Simultaneous identification of outliers and predictors in linear regression models,"</li> </ul> | <p style="text-align: right;"><i>Journal of Statistical Planning and Inference</i>, Vol. 23, pp. 327-343.</p> <ul style="list-style-type: none"> <li>→ Peixoto, J.L. (1988), "Prediction in a class of mixed models with two variance components," <i>Journal of Statistical Planning and Inference</i>, Vol. 19, pp. 81-94.</li> <li>→ Peixoto, J.L. (1987), "Hierarchical variable selection in polynomial regression models," <i>The American Statistician</i>, Vol. 41, pp. 311-313.</li> <li>→ Peixoto, J.L. (1986), "Testable hypotheses in singular fixed linear models," <i>Communications in Statistics—Theory and Methods</i>, Vol. 15, pp. 1957-1974.</li> </ul> <p>NOTE: The method of transforming partially testable hypotheses into equivalent completely testable hypotheses advocated in the preceding article has been implemented in the IMSL FORTRAN subroutine CESTI, Version 2.0 of IMSL STAT/LIBRARY.</p> <ul style="list-style-type: none"> <li>→ Peixoto, J.L., and Harville, D.A. (1986), "Comparisons of alternative predictors under the balanced one-way classification," <i>Journal of the American Statistical Association</i>, Vol. 81, pp. 431-436.</li> </ul> |
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### PUBLISHED IN PROCEEDINGS:

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| <ul style="list-style-type: none"> <li>• Peixoto, J.L., "Estimating lifetimes when several unidentified components are reported", to appear in the Proceedings of the <u>Joint Statistical Meetings</u>, Washington, DC, August 2009.</li> <li>• Kadipasaoglu, S.N., Peixoto, J.L. and Khumawala, B.M., "An Empirical Investigation into Tardiness and Its Causes in Machine Tools and Textile Industries", Proceedings of the <u>Annual Meeting of the Decision Sci-</u></li> </ul> | <p style="text-align: right;"><u>ences Institute</u>, New Orleans, LA, November 1999.</p> <ul style="list-style-type: none"> <li>• Zalila, F., Kadipasaoglu, S.N., Peixoto, J.L. and Khumawala, B.M., "Tabu Search, Roll-out Algorithms, and Beam Search Heuristic: Application for the Airline Gate Assignment Problem", <u>5<sup>th</sup> International Conference of the Decision Sciences Institute</u>, Athens, Greece, July 4-7, 1999</li> </ul> |
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- Wicks, A., Kadipasaoglu, S.N., Peixoto, J.L. and Khumawala, B.M., "A Comparison of Three General Purpose Algorithms to Tabu Search in the Facility Location Class of Combinatorial Optimization Problem", 5<sup>th</sup> International Conference of the Decision Sciences Institute, Athens, Greece, July 4-7, 1999.
- Kadipasaoglu, S.N., Peixoto, J.L. and Khumawala, B.M., "An Investigation into the Determinants for Customer Service: An Empirical Evaluation", Proceedings of the 15<sup>th</sup> Pan Pacific Conference, Nadi, Fiji, May 31-June 2, 1999.
- Kadipasaoglu, S.N., Peixoto, J.L. and Khumawala, B.M., "Global Manufacturing Practices: An Empirical Investigation", Production Operations Management Society South Africa Meeting, Cape Town, South Africa, June 1998.
- Cáceres, M.A. and Peixoto, J.L. (1997), "Ranking in Unbalanced Sports Tournaments with Home-Team Advantage and Nonsymmetric Scores — A Nonparametric Approach", published in the *Proceedings of the Statistics in Sports Section of the American Statistical Association, Joint Statistical Meetings*, Anaheim, August 1997.
- Kadipasaoglu, S.N., Peixoto, J.L., and Khumawala, B.M. (1997), "An Empirical Investigation of the Relationship between MPC Improvement Programs and Performance," published in the *Proceedings of the 14th Pan-Pacific Conference*, Kuala-Lumpur, Malaysia, June 1997.
- Peixoto, J.L. "Ranking Methods in Unbalanced Paired Comparison Designs — With Application to Business and Sports", *Primer Simposio de Estadística (First Statistical Symposium)*, Guanajuato, México, June 30 - July 4, 1997.
- Kadipasaoglu, S.N., Peixoto, J.L., Hurley, S.F., and Khumawala, B.M. (1997), "Best MPC Practices: A Comparative Analysis," published in the *Proceedings of the 14th Pan-Pacific Conference*, Kuala-Lumpur, Malaysia, June 1997.
- Kadipasaoglu, S.N., Peixoto, J.L., Hurley, S.F. and Khumawala, B.M., "Global Manufacturing Practices: An Empirical Investigation", Latin-Iberian-American Congress on Operations Research and Systems Engineering, Rio de Janeiro, R.J., Brazil, 1996.
- Peixoto, J.L., Cáceres, M.A., and Forsthoffer, R.A. (1996), "Team Ranking in Unbalanced Sports Schedules: A Least-Squares Adjustment", published in the *Proceedings of the Statistics in Sports Section of the American Statistical Association, Joint Statistical Meetings*, Chicago, Illinois, August 1996.
- Peixoto, J.L., Cáceres, M.A., and Forsthoffer, R.A., "Team Ranking in Unbalanced Sports Schedules: A Least-Squares Adjustment", published in the *Proceedings of the Statistics in Sports Section of the American Statistical Association, Joint Statistical Meetings*, Chicago, Illinois, August 1996.
- Sutanto, W., and Peixoto, J.L. (1991), "Data interpretation in the presence of interaction," *Proceedings of the Business and Economic Statistics Section of the American Statistical Association, Joint Statistical Meetings*, Atlanta, Georgia, August 1991.
- Peixoto, J.L. (1989), "Applications of lattice theory to polynomial regression models," *Proceedings of the American Statistical Association, Joint Statistical Meetings*, Washington, D.C., August 1989.
- Peixoto, J.L. (1988), "The hierarchy of terms in factorial models," *Proceedings of the Biopharmaceutical Section of the American Statistical Association, Joint Statistical Meetings*, New Orleans, Louisiana, August 1988.
- Peixoto, J.L. (1987), "Transformations in linear models," *Proceedings of the Business Statistics Section of the American Statistical*

*Association*, pp. 845-849, *Joint Statistical Meetings*, San Francisco, California, August 1987.

- Peixoto, J.L. (1986), "Hierarchical variable selection in linear models," *Proceedings of*

*the Statistical Computing Section of the American Statistical Association*, pp. 264-267, *Joint Statistical Meetings*, Chicago, Illinois, August 1986.

### TECHNICAL REPORTS AND RELATED ARTICLES :

- Lu, I-Li, Peixoto, J.L., and Taam, W., "A Simultaneous Equation Model for the New York Traffic Area," Air Traffic Management Technical Report.
- Peixoto, J.L., and Taam, W., "Design and Analysis of Experiments with Continuous On-Off Factors: An Application in Chine Placement," Boeing Low-Speed Wind-Tunnel Technical Report.
- Hasselbrack, S., and Peixoto, J., "Analysis of Fire Blocking Properties of Various Foams and Cleaning Methods Used in Airplane Seats," Boeing Technical Report.
- Peixoto, J.L. (1988), "Testable multivariate linear hypotheses," Technical Report, DISC-BUS, University of Houston. This paper was presented at the *III Congreso Latinoamericano de Probabilidad y Estadística Matemática (III CLAPEM)*, Montevideo, Uruguay, September 1988.
- Peixoto, J.L. (1988), "Testable multivariate linear hypotheses," Technical Report, DISC-BUS, University of Houston. This paper was presented at the *III Congreso Latinoamericano de Probabilidad y Estadística Matemática (III CLAPEM)*, Montevideo, Uruguay, September 1988.
- Peixoto, J.L. (1985), "On empirical Bayes inference in linear models," Working Paper Series (1985)—148, College of Business Administration, University of Houston. Exhibited at the *Conference of Texas Statisticians*, Austin, Texas, April 1985.

## ADDENDUM B: SEMINARS AND OTHER TECHNICAL PRESENTATIONS

- Peixoto, J.L., "Estimating lifetimes when several unidentified components are reported," at the *Joint Statistical Meetings*, Washington, DC, August 2009.

Peixoto, J.L., "Computer Generated Designs in Wind Tunnel Experiments," at the *7th Hawaii International Conference on Statistics, Mathematics and Related Fields*, Honolulu, Hawaii, January 17-19, 2008.

Peixoto, J.L., "Statistics in a Large Airplane Manufacturer," at the *Joint Statistical Meetings*, San Francisco, August 2003.

Taam, W., Lu, I.; and Peixoto, J.L., "A Simultaneous Equation Model for Air Traffic in the New York Area," at the *7th Air Traffic Research Society Conference*, Toulouse, France, July 2003.

Peixoto, J.L., "Design And Model Selection Challenges In Experiments With Continuous And On-Off Factors — An Application In The Placement Of Air Deflectors On Airplanes," at the *24th European Meeting Of Statisticians*, Prague, Czech Republic, August 19-23, 2002.

Peixoto, J.L., "Design and Analysis of Experiments with Continuous and On-off Factors: An Application in Chine Placement," at the *7th Hawaii International Conference on Statistics, Mathematics and Related Fields*, Honolulu, Hawaii, June 2002.

- Lu, I., Peixoto, J.L., and Taam, W., "A Simultaneous Equation Model for Air Traffic in the New Area," at the *Boeing Technical Conference Two*, Seattle, February 2002.
- Peixoto, J.L. and Taam, W., "Design of Experiments in Wind Tunnel: A Case Study on Chine Placement," at the *Boeing Technical Conference Two*, Seattle, February 2002.
- Peixoto, J.L. "Ranking Methods in Unbalanced Paired Comparison Designs -- With Applications to Business and Sports", at the *Joint Statistical Meetings*, Indianapolis, Anaheim, August 2000.
- Peixoto, J.L. "Hierarchical Selection of ANOVA Models", at the *Fifth World Congress of the Bernoulli Society for Mathematical Statistics and Probability and 63rd Annual Meeting of the Institute of Mathematical Statistics*, Guanajuato, México, May 2000.
- Cáceres, M.A. and Peixoto, J.L. "Ranking in Unbalanced Sports Tournaments with Home-Team Advantage and Nonsymmetric Scores — A Nonparametric Approach", at the *Joint Statistical Meetings*, Anaheim, August 1997.
- Cáceres, M.A. and Peixoto, J.L. "Ranking in Unbalanced Sports Tournaments with Home-Team Advantage and Nonsymmetric Scores — A Nonparametric Approach", at the *Joint Statistical Meetings*, Anaheim, August 1997.
- Peixoto, J.L. "Ranking Methods in Unbalanced Paired Comparison Designs — With Application to Business and Sports", competitive conference paper at the *Primer Simposio de Estadística (First Statistical Symposium)*, Guanajuato, México, June 30 - July 4, 1997.
- Kadipasaoglu, S.N., Peixoto, J.L., and Khumawala, B.M., "An Empirical Investigation of the Relationship between MPC Improvement Programs and Performance," at the *14th Pan-Pacific Conference*, Kuala Lumpur, Malaysia, June 1997.

- Kadipasaoglu, S.N., Peixoto, J.L., Hurley, S.F., and Khumawala, B.M., "Best MPC Practices: A Comparative Analysis," at the *14th Pan-Pacific Conference*, Kuala-Lumpur, Malaysia, June 1997.
- Kadipasaoglu, S.N., Peixoto, J.L., Hurley, S.F., and Khumawala, B.M., "Global Manufacturing Practices: An Empirical Investigation," at the *II International Conference On Operational Research For Development (ICORD 96)*, Rio de Janeiro, Brazil, August 26-28, 1996.
- Peixoto, J.L., Cáceres, M.A., and Forsthoffer, R.A., "Team Ranking in Unbalanced Sports Schedules: A Least-Squares Adjustment", at the *Joint Statistical Meetings*, Chicago, Illinois, August 1996.
- Peixoto, J.L., "A Least-Squares Method for Ranking Participants in Competitions with Unbalanced Schedules," competitive conference paper at the *II International Conference On Operational Research For Development (ICORD 96)*, Rio de Janeiro, Brazil, August 26-28, 1996.
- "Team Ranking in Unbalanced Sports Schedules" at the *Quinto Congreso Latinoamericano de Probabilidad y Estadística Matemática (Fifth Latin American Meeting of Probability and Mathematical Statistics)*, Universidade de São Paulo, São Paulo, Brazil, June 1993. Travel expenses to this meeting were paid by a grant of the National Science Foundation.
- "The Hierarchical Formulation Of Anova And Polynomial Regression Models" at the *Terça Escola de Modelos de Regressão (Third School of Regression Models)*, Universidade Estadual de Campinas, Campinas, Brazil, January 1993. Travel expenses to this meeting were partially paid by a grant of the Inter-American Statistical Institute.
- "Regression Model Building and Outlier Detection," small course given at the *Instituto Centroamericano de Administración de Empresas*, Managua, Nicaragua, August 1993.
- "Is Factor Analysis a Rigorous Statistical Technique?" at the *Instituto Centroamericano de Administración de Empresas*, Managua, Nicaragua, August 1993.
- "Negative Sums of Squares," at the *Joint Statistical Meetings*, Boston, Massachusetts, August 1992.
- "Fundamentals of Experimental Design," small course given at the *Instituto Centroamericano de Administración de Empresas*, Managua, Nicaragua, July 1992.
- "Detection of Outliers and Variable Selection," DISC Seminar Series, University of Houston, Houston, Texas, February 1992.
- "Data Interpretation in the Presence of Interaction," at the *Joint Statistical Meetings*, Atlanta, Georgia, August 1991
- "Hierarchical model building," at the *Houston Area Chapter of the American Statistical Association*, Houston, Texas, May 1991.
- "Hierarchical polynomial regression models," at the *Department of Statistics, Rice University*, Houston, Texas, November 1989.
- "Applications of lattice theory to polynomial regression models," at the *Joint Statistical Meetings*, Washington, D.C., August 1989.
- "Aplicaciones de la teoría de retículos a la formulación de modelos lineales," at the *Universidad Complutense*, Madrid, Spain, April 1989.
- "Testable multivariate linear hypotheses," at the *Congreso Latinoamericano de Probabilidad y Estadística Matemática (CLAPEM)*, Montevideo, Uruguay, September 1988.
- "Lattices of polynomial regression models," at the *Facultad de Ciencias Económicas y*

- de Administración, Universidad de la República, Montevideo, Uruguay, September 1988.*
- "Identification of Outliers Using Variable Selection Techniques," at the *Facultad de Ciencias Económicas y de Administración, Universidad de la República, Montevideo, Uruguay, September 1988.*
  - "The hierarchy of terms in factorial models," presented at the *Joint Statistical Meetings, New Orleans, Louisiana, August 1988.*
  - "Reparametrizations, restrictions, and units-of-measurement transformations in linear models," at the *Joint Statistical Meetings, San Francisco, California, August 1987.*
  - "Hierarchical variable selection in linear models," at the *Joint Statistical Meetings, Chicago, Illinois, August 1986.*
  - "Testable hypotheses in linear models," at *IMSL, Inc., Houston, Texas, January 1986.*
  - "James-Stein estimation," at the *Department of Quantitative Management Science, University of Houston, November 1985.*
  - "Testable hypotheses in linear models," at the *Joint Statistical Meetings, Las Vegas, Nevada, August 1985.*
  - "Empirical Bayes inference in linear models," at the *Conference of Texas Statisticians, Austin, Texas, April 1985.*
  - "Prediction in the balanced two-way mixed model," at the *Joint Statistical Meetings, Philadelphia, Pennsylvania, August 1984.*
  - "Empirical Bayes inference in a balanced one-way linear model," at the *Department of Mathematics, The University of Texas, Austin, Texas, May 1983.* (Invited paid presentation.)
  - "Prediction of random effects in the one-way model," at the *Department of Quantitative Management Science, University of Houston, Houston, Texas, June 1982.*
  - "Estimation of random effects in the balanced one-way classification," at the *Department of Statistics, Iowa State University, Ames, Iowa, June 1982.*
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**COURSES TAUGHT :**


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**The BOEING Company:**

- *Introduction to Modern Experimentation*, 36-hour course.
- *Introduction to Design of Experiments and the JMP Software*, 9-hour course.
- *Technical Synopsis on Design of Experiments*, 3-hour course.

**UNIVERSITY OF HOUSTON:**

- DISC 8397, Design and Analysis of Experiments (doctoral level).
- DISC 8364, Linear Models (doctoral level).
- DISC 8366, Multivariate Statistical Methods (doctoral level).
- DISC 7358, Statistical Methods in Research (doctoral level).
- DISC 7397 and 8397, Regression Analysis (doctoral level).
- DISC 6360, Business Statistical Methods (master level).
- DISC 8398, Special Topics: Matrix Algebra (doctoral level).
- DISC 4398, Regression Analysis (undergraduate level).
- DISC 3332, Statistics for Business Applications II (undergraduate level).
- DISC 3331, Statistics for Business Applications I (undergraduate level).

**MADRID BUSINESS SCHOOL (Spain):**

- Statistical Methods.
- Calculus and Finite Math.

**IOWA STATE UNIVERSITY:**

- STAT 104, Introduction to Statistics (for students in the agricultural and biological sciences).
- STAT 105, Introduction to Statistics (for students in engineering) 1981.
- STAT 227, Introduction to Business Statistics.
- Teaching assistant (lab instructor, grader) for the following courses: STAT 500, Statistical Methods, STAT 447, Statistical Theory for Research Workers.

**UNIVERSIDAD DE LA REPÚBLICA (Uruguay):**

- Econometrics
- Linear Programming,
- Teaching assistant (lab instructor, grader, occasional lecturer) for the following courses: Statistical Theory, Advanced Calculus, Macroeconomics.

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**REFERENCES :**


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Please write to me at

[JuLePe@gmail.com](mailto:JuLePe@gmail.com)

to request references.

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