

## CURRICULUM VITAE

**Name:**

Jan de Leeuw

**Born:**

December 19, 1945, Voorburg, The Netherlands

**Civil Status:**

Married, two children

**Work address:**

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8 N Stafford Street  
Portland, OR 97217  
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**Education:**

1957-1963	HBS-B, Voorburg, Alphen a/d Rijn	
1963-1964	Propedeutic Examination Psychology, Leiden	Summa Cum Laude
1964-1967	Candidate Examination Psychology, Leiden	Summa Cum Laude
1967-1969	Doctoral Examination Psychology, Leiden	Summa Cum Laude
1973	Doctoral Degree Social Sciences, Leiden	Summa Cum Laude

**Affiliations:**

1965-1969 Research Assistant in Psychometrics, University of Leiden  
1969-1977 Assistant Professor, Department of Data Theory, University of Leiden  
1973-1974 Member of Technical Staff, Bell Telephone Laboratories, Murray Hill, NJ  
1977-1987 Professor of Data Theory, University of Leiden  
1987-1998 Professor of Psychology and Mathematics, UCLA  
1987-1994 Director, Interdepartmental Program in Social Statistics, UCLA  
1993-1996 Acting Director, Interdivisional Program in Statistics, UCLA  
1993-1995 Senior Fellow, National Institute for Statistical Sciences  
1995-1998 Director, Program in Statistics, UCLA  
1998-2012 Professor and Chair, Department of Statistics, UCLA  
2012-2014 Distinguished Professor, Department of Statistics, UCLA

2014– Distinguished Professor Emeritus, Department of Statistics, UCLA  
**Honors etc.**

- Elected Fellow, Royal Statistical Society (1984)
- Trustee, Psychometric Society (1985 - 1986)
- Elected Member, International Statistical Institute (1986)
- President Elect, Psychometric Society (1986)
- President, Psychometric Society (1987)
- Corresponding Member, Royal Netherlands Academy of Sciences (1987)
- Elected Fellow, Institute of Mathematical Statistics (2001)
- Elected Fellow, American Statistical Association (2001)

### **Editorships**

- Associate Editor, *Psychometrika* (1982 - 1991)
- Advisory Editor, *Computational Statistics Quarterly* (1983 - 1990)
- Member Editorial Board, *Journal of Classification* (1984 - ...)
- Member Advisory Board, *Applied Stochastic Models and Data Analysis* (1985 - ....)
- Associate Editor, *Journal of Educational Statistics* (1989 - 1991)
- Editor, *Advanced Quantitative Techniques in the Social Sciences*, (1989 - ...)
- Editor, *Journal of Educational Statistics* (1991 - 1997)
- Editor, *Journal of Multivariate Analysis* (1993 - 1997)
- Founding Editor, *Journal of Statistical Software* (1995 - ...)
- Editor, *Sage/SRM-Database of Social Research Methodology* (1996 - ...)
- Web Editor, *Institute of Mathematical Statistics* (1996 - 1999)
- Editor-in-Chief, *Journal of Multivariate Analysis* (1997 - ...)

### **Reviewer for**

*Annals of Statistics*, *Journal of the American Statistical Association*, *Statistics*, *Applied Psychological Measurement*, *Journal of the Royal Statistical Society*, *Journal of Educational Statistics*, *British Journal of Mathematical and Statistical Psychology*, *National Science Foundation*, *Research Council of Canada*, *Multivariate Behavioral Research*, *Sociological Methodology*, *American Educational Research Journal*, *Journal of Econometrics*, *Journal of Multivariate Analysis*, *Social Science History*, *Sociological Methods and Research*, *Technometrics*, *Journal of Multivariate Analysis*, *Psychometrika*, *Journal of Classification*, *Journal of Consulting and Clinical Psychology*, *Journal of Statistical Education*, *The Israel Science Foundation*, *Royal Netherlands Academy of Sciences*, *Statistics and Probability Letters*, *Statistics in Medicine*, *The Library Quarterly*, *OMICS A Journal of Integrative Biology*, *Office of Educational Research and Improvement*, *International Journal of Computational Geometry and Applications*, *Conservation and Management of Archeological Sites*

### **Doctoral Dissertations**

- A. Mooijaart, *Latent Structure Models*, 1978;
- W.J. Heiser, *Unfolding Analysis of Proximity Data*, 1981;
- P.M. Kroonenberg, *Three-mode Principal Component Analysis*, 1983;

- P. Bekker, Essays on Identification in Linear Models with Latent Variables, 1986;
- J. Meulman, A Distance Approach to Nonlinear Multivariate Analysis, 1986;
- P. van der Heijden, Correspondence Analysis of Longitudinal Categorical Data, 1987;
- J. van Rijckevorsel, The Application of Fuzzy Coding and Horseshoes in Multiple Correspondence Analysis, 1987;
- A. Israels, Eigenvalue Techniques for Qualitative Data, 1987;
- E. van der Burg (THT), Canonical Analysis, 1988;
- W. van Pelt (RUL), The Maximum Expiratory Flow Volume Curve, 1988;
- K. van Montfort (RUL), Estimating in Structural Models with Non-normal Distributed Variables, 1989;
- J. Koster (RUL), Structural Analysis of Categorical Data, 1989;
- C. Bijleveld (RUL), Exploratory Linear Dynamical Systems Analysis, 1989;
- L. Short (UCLA, Education), Factor Score Determinacy in a Hierarchical Multidimensional Model, 1990;
- S. van Buuren (RUL) Optimal Scaling of Time Series, 1990;
- R. van der Leeden (RUL), Reduced Rank Regression with Structured Residuals, 1990.
- J. Hilden-Minton (UCLA). Multilevel Diagnostics for Mixed and Hierarchical Linear Models, 1995.
- G. Michailides (UCLA). Multilevel Homogeneity Analysis, 1996.
- D. Afshartous (UCLA). Prediction in Multilevel Models, 1997.
- D. Wang Lin (UCLA). Aspect Analysis and its Stability, 1998.
- V. Beddo (UCLA). Parallel Programming and Statistics, 2002.
- Y-C. Hsieh (UCLA). Homals-clustering Analysis and its Applications in Computational Sequence Analysis, 2007.
- H. Nguyen (UCLA). Spatial Statistical Data Fusion for Remote Sensing Applications, 2009.
- D. Ferrari (UCLA). Multi-Fidelity Data Fusion in Statistical Metamodeling of Aerodynamic Functions, 2010.

### Master's Theses

- Yung-Ai Alice Chuang (UCLA). The New Trends in the Teaching of Statistics and the Assessment of a Lower Division Undergraduate Statistics Class at UCLA, 2003
- Demetria Gianopoulos (UCLA). What Moves the Markets? An Exploration of the Covariance of Stock Market Returns and Implications for Optimal Portfolio Selection Algorithms, 2005
- Dushyanth Krishnamurthy (UCLA). Development of Statistical Online Computational Resources and Teaching Tools, 2005.
- Jacqueline DaCosta (UCLA). Teaching Introductory Statistics at the Community Colleges, 2007.
- Yong Fu (UCLA). Geographic Estimation of Chumash Towns and Test of Randomness using Bootstrap, 2007.
- Shuojung Wang (UCLA). Time Series Analysis of Air Pollution in the City of Bakersfield, California, 2007.

- Courtney Eve Engel (UCLA). German Student Education Transitions: Factors That Influence Choice of Educational Paths, 2008.
- Ting Zhou (UCLA). Correspondence Analysis of Elevator Malfunction Matrices, 2008.
- Kuei-yu Chien (UCLA). Model Application to Air Pollution Data of SCCX, 2008.
- Xiaofei Yan (UCLA). Statistical Analysis of Gasoline and Diesel Loss Rates at Retailers, 2008.
- Xiao Han Cai (UCLA). Time Series Analysis of Air Pollution CO in California South Coast Area, with Seasonal ARIMA model and VAR model, 2008.
- Judy Yang Hee Kong (UCLA). Time Series Analysis of Particulate Matter 2.5 in the San Joaquin Valley, 2008.
- Nokang Myung (UCLA). Singular Spectrum Analysis, 2009.
- Shang Gao (UCLA). A Spatial Statistical Analysis of Oilfields in the Southern States of the USA, 2009.
- Jean Qing Wang (UCLA). A Comparison of Two SSA Approaches, 2009.
- Angela Hei-Yan Leung (UCLA). Portfolio Selection and Risk Management: An Introduction, Empirical Demonstration and R-Application for Stock Portfolios, 2009.
- Jie Chen (UCLA). Least Squares Method for Factor Analysis, 2010.
- Charles Ronen Blum (UCLA). Singular Spectrum Analysis of Categorical Time Series Data, 2010.
- Ran Guo (UCLA). A Bi-Stage Modeling Solution to Cloud Detection in the Arctic Region, 2010.

### Committees

- Board Member, Institute for Psychometric and Sociometric Research (1987 - 1988)
- Chair, Advisory Committee for Social Statistics UCLA, 1987 - 1994.
- Member, Advisory Board, Jacob Marschak Symposia, UCLA, 1987 - ...
- Chair, Computer Use Committee, Department of Psychology, UCLA, 1988 - 1992.
- Member, Computer Committee, Department of Mathematics, UCLA, 1988 - 1994.
- Member, Computer Committee, Division of Physical Sciences, 1990 - 1994.
- Member, Computer Committee, Academic Senate, 1990 - 1992
- Member, Computer Committee, Division of Social Sciences, 1990 - 1992.
- Member, Introductory Statistics Teaching Committee, Division of Social Sciences, 1990 - 1994.
- Chair, Computer Committee, UCLA Academic Senate, 1992 - 1996.
- Member, External Review Committee, Consulting Center, University of Michigan, 1996.
- Member, ASA Committee on Electronic Publication of Journals, 1997-1999.
- Member, Legislative Assembly, UCLA Academic Senate, 1999-2001
- Member, Undergraduate Council, UCLA Academic Senate, 2001-2005

- Member, Faculty Committee on Educational Technology, UCLA College of Letters and Sciences, 2001-2002
- Member, General Education Governance Committee, UCLA Academic Senate, 2003-2006
- Member, Committee on University Extension, UCLA Academic Senate, 2003-2004
- Member, Committee on Continuing and Community Education, UCLA Academic Senate, 2004-...
- Member, Committee on Civic Engagement, UCLA Faculty Executive Committee, 2006-...

#### **Activities in organization of congresses etc.**

- Member scientific program committee, Psychometric Society Meeting, University of Groningen, June 19-21, 1980;
- Member scientific program committee, COMPSTAT 1984, Prague, September 1984;
- Organizer, Table Ronde sur l'Analyse des Données, Toulouse, January 1984;
- Organizer, Workshop Multivariate Data Analysis, Cambridge, June 1985;
- Member organization committee, 4th European meeting Psychometric Society, Cambridge, June 1985;
- Organizer, Workshop Variance Component Analysis, Leiden, September 1986;
- Chairman program committee, Psychometric Society Meeting, University of Montreal, June 1987;
- Member scientific program committee, 5th European Meeting Psychometric Society, Enschede, June 1987;
- Member scientific program committee, Fifth International Symposium on Data Analysis and Informatics, Versailles, October 1987;
- Organizer, Psychometric Society Meeting, UCLA, June 1988;
- Member scientific program committee, 1993 European Meeting of the Psychometric Society, Barcelona, July 1993;
- Member scientific program committee, 1993 Meeting of the International Facet Theory Society, Prague, August 1993.
- Member scientific program committee, 1994 Meeting of the International Facet Theory Society, Amsterdam, August 1994.
- Organizer Round Table Session, 1996 Meeting American Statistical Association, Chicago, August 1996.

#### **Grants and Subsidies**

- Canonical Analysis by Means of Alternating Least Squares Methods, project ZWO 56-97, 1978 - 1981.
- Canonical Analysis by Alternating Least Squares, project SWOV, 1975-1985.
- Theoretical and Algorithmic Aspects of Multidimensional Scaling Methods (with J.P. van der Geer), project ZWO 56-146, 1980 - 1983.

- Exploratory Investigation of the Relationship between Intelligence and School Achievement in Secondary Education, project SVO 1019, 1982 - 1983.
- Regional Characteristics and Individual School Careers, project SVO 1085, 1983 - 1984.
- The Population Sample Decomposition Approach (with B.M.S. van Praag), project ZWO 46-110, 1984 - 1987.
- Structural models for non-normal Variables (with A. Mooijaart), project ZWO, 1985 - 1988.
- Relationship between Heterogeneity of School intake and School career Pupils, project SVO 7105, 1986-1987.
- Path Analysis by Alternating Least Squares, SWOV - Ministry of Transportation, 1986 - 1988.
- Analysis of Longitudinal Data on Long Function parameters, 1986-1987, ASTHMA - fund, project NAF 78-21, 1986 - 1988.
- ZWO scholarship 09-60 visitor M. Burchinal (with G.A. Kohnstamm), 1987;
- Comparison of Techniques for Nominal Principal Component Analysis (with J.M.F. ten Berge), project ZWO 560-267-011.
- Theoretical and Statistical Aspects of Multilevel Analysis (with P. van der Eeden), project ZWO 40-47.
- Academy Scholarship J.J. Meulman, 1987-1990.
- Path Analysis with Optimal Scaling, project Psychon 560/267/014, 1987-1990.
- Computer Programs for Multilevel Analysis, project SVO 7130, 1987 - 1989;
- Equipment Grant Mathematics, NSF, DMS 88 - 09195, 1988 - 1989.
- Instructional Improvement Grant, Office of Instructional Development, Univ. of California, 1990-91.
- A Factorial Survey on How People Experience Climate Change (with Richard Berk) , NSF, FDP Grant, SES 9010095.
- Statistics in the Social Sciences, Research and Training Grant, NSF, RTG Grant, DIR 8014282, 1990-93.
- Instructional Improvement Grant, Office of Instructional Development, UCLA, 1991-92.
- Instructional Improvement Grant (with David Draper), Office of Instructional Development, UCLA, 1993-1994.
- Instructional Improvement Grant, Office of Instructional Development, UCLA, 1994-1995.
- Planetary Atmospheres and Interplanetary Media, NASA, 2008-2011.
- Statistical Study of Altimetric Significant Waveheight, NASA, 2008-2009.
- Statistical Methods for Hurricane Studies, NASA, 2008-2009.
- Analysis of Distributed Data in the Climate Data Exchange, NASA, 2009-2010.
- State-space Modeling for Greenhouse Gas Tracking Using the Climate Data Exchange, NASA, 2008-2009