

CURRICULUM VITAE WILLEM RUTGER VAN ZWET

Born: March 31, 1934

Citizenship: The Netherlands

Education: Ph.D. mathematics, University of Amsterdam, 1964

Professional experience:

Mathematisch Centrum, Amsterdam	Staff member	1961-1964
	Consultant	1965-1984
	Chair Science Committee	1983-1990
	Member of the Board	1993-1996
University of Leiden	Associate professor of Statistics	1965-1968
	Professor of Statistics	1968-1999
	Chair Department of Applied Mathematics	1974-1978
	Dean Faculty of Math. & Natural Sciences	1982-1983
	Chairman of the Board Rijksherbarium	1997-1999
	Interim Chair Dept of Computer Science	2002-2003
	Member Oversight Committee Mathematics	2005-
Leiden University Fund	Member and Chair Science Committee	1984-1999
	Member of the Board	1993-2005
Thomas Stieltjes Research Institute	Director	1992-1999
	Chair jury Stieltjes Award	1999-
EURANDOM, Eindhoven	Scientific Director	1997-2000
National Institute of Statistical Sciences(US)	Member of the Corporation	1993-1997
	Member of the Board	1997-2002
Annual stochastics meeting at Lunteren	Organizer	1972-1999
University of Oregon	Visiting Associate Professor	1965
University of California, Berkeley	Visiting Scientist	1967, 72, 76, 80, 81, 82, 84, 89, 93
	Miller Professor	1997
	Hotelling Lecturer	1988
University of North Carolina	William Newman Professor	1990-1998
	Principal Lecturer	1982
NSF-CBMS Regional Conference	Bahadur Lecturer	2005
University of Chicago		
Chair Visiting Committee Centre for Mathematics & Computer Science, Amsterdam		1987
Vice-chair Netherlands' Government Advisory Committee for Mathematics		1989-1992
Member NATO Science Committee Advisory Panel		1991-1993
Member Visiting Committee Applied Mathematics Sweden		1995
Member Science Panel of Foundation for Strategic Research, Sweden		1995, 99
Vice-chair Visiting Committee Mathematics in Flanders, Belgium		1995-1997
Member Jury Prix De Leeuw-Damry-Bourlard, Bruxelles		2005
Member Visiting Committee Department of Statistics Seoul National University		2005

Professional affiliation:

Institute of Mathematical Statistics:	Member & chair European Regional Com. (1969-1975)
	Associate Editor Annals of Statistics (1972-1980)
	Member council (1978-1981)
	Editor-in-chief Annals of Statistics (1986-1988)
	President (1991-1992)
	Wald Memorial Lecturer (1992)

International Statistical Institute:	Associate editor International Statist. Review (1981-1985) Chair Organizing Committee Centenary Session (1981-85) Vice-president (1985-1987; 1987-1989) Chair Programme Committee (1989-1993) President (1997-1999) Member Restructuring Committee (2005-)
Bernoulli Society:	Member & chair European Regional Com. (1975-1980) Member council (1976-1979; 1984-1987) President (1987-1989) Editor-in-chief Bernoulli (2000-2003) Chair Publications Committee (2004-)
American Statistical Association:	Member Board of Directors (1993-95)
Netherlands Statistical Society:	Associate editor Statistica Neerlandica (1962-1973) Member of the Board (1970-72)

Honors:

Van Dantzig Award, Netherlands Statistical Society, 1970
 Elected member International Statistical Institute, 1971
 Fellow Institute of Mathematical Statistics, 1972
 Honorary Fellow Royal Statistical Society, 1978
 Elected member Royal Netherlands Academy of Sciences, 1979
 Bernoulli Medal, Tasjkent, 1986
 Peace Medal, Charles University, Prague, 1988
 Fellow American Statistical Association, 1988
 Médaille de la Ville de Paris, 1989
 Elected member Academia Europaea, 1990
 Adolphe Quételet Medal, International Statistical Institute, 1993
 Certificate of Appreciation, American Statistical Association, 1995
 Knight in the Order of the Netherlands' Lion, 1996
 AKZO-Nobel Award, Netherlands, 1996
 Honorary Doctor, Charles University, Prague, 1997
 Honorary member International Statistical Institute, 1999
 Honorary member Netherlands Statistical Society, 2000
 Alexander von Humboldt Forschungspreis, 2006

PUBLICATIONS WILLEM R. VAN ZWET

1. *Convex Transformations of Random Variables*, Math. Centre Tracts **7** (1964), Mathematisch Centrum, Amsterdam.
2. Convex transformations: A new approach to skewness and kurtosis, *Statistica Neerlandica* **18** (1964), 433-441.
3. De waarde van hydroxychloroquine (Plaquenil) voor de behandeling van chronische discoïde lupus erythematoses (with J.H. Kraak, W.G. van Ketel and J.R. Prakken), *Nederl. Tijdschr. Geneesk.* **109** (1965), 461-469.
4. Bias in estimation from type I censored samples, *Statistica Neerlandica* **20** (1966), 143-148.
5. On mixtures of distributions (with W. Molenaar), *Ann. Math. Statist.* **37** (1966), 281-283.
6. Het hachelijke oordeel, *Statistica Neerl.* **12** (1967), 117-130.
7. On the combination of independent test statistics (with J. Oosterhoff), *Ann. Math. Statist.* **38** (1967), 659-680.
8. Host discrimination in pseudocoila bochei (with K. Bakker, S.N. Bagchee and E. Meelis), *Ent. Exp. & Appl.* **10** (1967), 295-311.
9. An inequality for expected values of sample quantiles, *Ann. Math. Statist.* **38** (1967), 1817-1821.
10. On convexity preserving families of probability distributions, *Statistica Neerlandica* **22** (1968), 23-32.
11. Stemmingen zonder winnaar (with R.J. In 't Veld), *Statistica Neerlandica* **23** (1969), 269-276.
12. Asymptotic properties of isotonic estimators for the generalized failure rate function (with R.E. Barlow), *Bull. Int. Statist.Inst.* **43** (1969), 252-253.
13. Asymptotic properties of isotonic estimators for the generalized failure rate function. Part I: Strong consistency (with R.E. Barlow), *Nonparametric Techniques in Statistical Inference*, M.L. Puri editor, Cambridge University Press (1970), 159-173.
14. Some remarks on the two-armed bandit (with J. Fabius), *Ann. Math. Statist.* **41** (1970), 1906-1916.
15. *Grondbegrippen van de Waarschijnlijkheidsrekening* (with J. Fabius), Math. Centre Syllabus **10** (1970), Mathematisch Centrum, Amsterdam.
16. Comparison of several nonparametric estimators of the failure rate function (with R.E. Barlow), *Operations Research and Reliability*, D. Grouhko editor, Gordon & Breach, New York (1971), 375-399.
17. The likelihood ratio test for the multinomial distribution (with J. Oosterhoff), *Proceedings 6th Berkeley Symp. on Math. Statist. and Probability* **1** (1972), 31-49.
18. Asymptotic normality of nonparametric tests for independence (with F.H. Ruymgaart and G.R. Shorack), *Ann. Math. Statist.* **43** (1972), 1122-1135.
19. Asymptotic expansions for the power of distributionfree tests in the one-sample problem (with W. Albers and P.J. Bickel), *Ann. Statist.* **3** (1976), 108-156.
20. Asymptotic expansions for the distribution functions of linear combinations of order statistics, *Statistical Decision Theory and Related Topics II*, S.S. Gupta and D.S. Moore editors, Academic Press, New York (1977), 421-438.
21. A proof of Kakutani's conjecture on random subdivision of longest intervals, *Ann. Probability* **6** (1978), 133-137.
22. Asymptotic expansions for the power of distributionfree tests in the two-sample problem (with P.J. Bickel), *Ann. Statist.* **6** (1978), 937-1004.
23. Mean, median, mode, II, *Statistica Neerlandica* **33** (1979), 1-5.
24. A note on contiguity and Hellinger distance (with J. Oosterhoff), *Contributions to Statistics (Jaroslav Hajek Memorial Volume)*, J. Jureckova editor, Academia, Prague (1979), 157-166.

25. The Edgeworth expansion for linear combinations of uniform order statistics, *Proc. 2nd Prague Symp. on Asymptotic Statistics*, P Mandl and M. Hušková editors, North Holland, Amsterdam (1979), 93-101.
26. On a theorem of Hoeffding (with P.J. Bickel), *Asymptotic Theory of Statistical Tests and Estimation*, I.M. Chakravarti editor, Academic Press, New York (1980), 307-324.
27. A strong law for linear combinations of order statistics, *Ann. Probability* **8** (1980), 986-990.
28. On efficiency of first and second order (with P.J. Bickel and D.M. Chibisov), *International Statistical Review* **49** (1981), 169-175.
29. On asymptotic expansion for the distribution of the logarithm of the likelihood ratio (with D.M. Chibisov), *Proc. Third Intern. Vilnius Conference on Probability Theory and Math. Statist. II*, Akademia Nauk. USSR (1981), 55-56.
30. The Berry-Esseen bound for U-statistics (with R. Helmers), *Statistical Decision Theory and Related Topics III*, Vol. 1, S.S. Gupta and J.O. Berger editors, Academic Press, New York (1982), 497-512.
31. On the Edgeworth expansion for the simple linear rank statistic, *Nonparametric Statistical Inference*, Coll. Math. Soc. Janos Bolyai, Budapest (1982), 889-909.
32. An inequality for random replacement sampling plans, *Festschrift for Erich Lehmann*; P.J. Bickel, K.A. Doksum and J.L. Hodges, Jr. editors, Wadsworth, Belmont (1982), 441-448.
33. Ranks and order statistics, Recent Advances in Statistics, *Papers in Honor of Herman Chernoff*; M.H. Rizvi, J. Rustagi and D. Siegmund editors, Academic Press, New York (1983), 407-422.
34. A Berry-Esseen bound for symmetric statistics, *Z. Wahrsch. Verw. Gebiete* **66** (1984), 425-440.
35. On the Edgeworth expansion for the logarithm of the likelihood ratio, I (with D.M. Chibisov), *Teor. Veroyatnost. i Primenen.* **29** (1984), 417-439.
36. On the Edgeworth expansion for the logarithm of the likelihood ratio, II (with D.M. Chibisov), *Asymptotic Statistics II, Proc. Third Prague Symp. Asympt. Statist.*, P. Mandl and M. Hušková editors, Elsevier Science Publishers, Amsterdam (1984), 451-461.
37. Van de Hulst on robust statistics: A historical note, *Statistica Neerlandica* **39** (1985), 81-95.
38. A simple analysis of third-order efficiency of estimates (with P.J. Bickel and F. Götze), *Proc. Berkeley Conference in Honor of Jerzy Neyman and Jack Kiefer, II*, L.M. LeCam and R.A. Olshen editors, Wadsworth, Monterey (1985), 749-768.
39. On estimating a parameter and its score function (with C.A.J. Klaassen), *Proc. Berkeley Conference in Honor of Jerzy Neyman and Jack Kiefer, II*, L.M. LeCam and R.A. Olshen editors, Wadsworth, Monterey (1985), 827-840.
40. The Edgeworth expansion for U-statistics of degree two (with P.J. Bickel and F. Götze), *Ann. Statist.* **14** (1986), 1463-1484.
41. A note on the strong approximation to the renewal process (with D.M. Mason), *Pub. Inst. Univ. Paris XXXII*, fasc. 1-2 (1987), 81-91.
42. A refinement of the KMT inequality for the uniform empirical process (with D.M. Mason), *Ann. Probability* **15** (1987), 871-884.
43. On estimating a parameter and its score function, II (with C.A.J. Klaassen and A.W. van der Vaart), *Statistical Decision Theory and Related Topics IV, 2*, S.S. Gupta and J.O. Berger editors, Springer, New York (1988), 281-288.
44. Modelling the growth of a batch culture of plant cells: a corpuscular approach (with M.C.M. de Gunst, P.A.A. Harkes, J. Val and K.R. Libbenga), *Enzyme Microb. Technol.* **12** (1990), 61-71.
45. Andrei Nikolaevich Kolmogorov, *Jaarboek 1989 Koninklijke Nederlands Akademie van Wetenschappen*, North Holland, Amsterdam (1990), 166-171.
46. A non-Markovian model for cell population growth: speed of convergence and central limit theorem (with M.C.M. de Gunst), *Stoch. Processes and Appl.* **41** (1992), 297-324.

47. Steekproeven uit steekproeven: De Baron van Münchhausen aan het werk? *Verslag Afd. Nat., Koninklijke Nederlandse Akademie van Wetenschappen*, **102** (5) (1993), 49-54.
48. Comment on double-blind refereeing. *Statist. Sci.* **8** (1993), 327-330.
49. A non-Markovian model for cell population growth: tail behavior and duration of the growth process (with M.C.M. de Gunst), *Ann. Appl. Probability* **3** (1993), 1112-1144.
50. The asymptotic distribution of point charges on a conducting sphere, *Statistical Decision Theory and Related Topics*, **V**, S.S. Gupta and J.O. Berger editors, Springer, New York (1993), 427-430.
51. Wassily Hoeffding's work in the sixties (with J. Oosterhoff), *The Collected Works of Wassily Hoeffding*, N.I. Fisher and P.K. Sen editors, Springer Verlag, New York (1994), 3-15.
52. Detecting differences in delay vector distributions (with C.Diks, F. Takens and J. de Goede), *Phys. Rev. E.* **53** (1996), 2169-2176.
53. Resampling: Consistency of substitution estimators (with H. Putter), *Ann. Statist.* **24** (1996), 2297-2318.
54. Resampling fewer than n observations: Gains, losses, and remedies for losses (with P.J. Bickel and F. Götze), *Statistica Sinica.* **7** (1997), 1-31.
55. On a set of the first category (with H. Putter), *Festschrift for Lucien Le Cam*, D. Pollard, E. Torgersen and G.L. Yang, editors, Springer Verlag, New York (1997), 315-323.
56. An Edgeworth expansion for symmetric statistics (with V. Bentkus and F. Götze), *Ann. Statist.* **25** (1997), 851-896.
57. Comment on "Improving the relevance of economic statistics" by Yves Franchet, *Economic Statistics: Accuracy, Timeliness and Relevance*, Z. Kenessey, editor, US Department of Commerce, Bureau of Economic Analysis, Washington D.C. (1997), 23-26.
58. On the shape theorem for the supercritical contact process (with M. Fiocco), *Prague Stochastics '98*, M. Hušková, P.Lachout and J.A. Víšek, editors, Union of Czech Mathematicians and Physicists, Prague (1998), 569-573.
59. Empirical Edgeworth expansions for symmetric statistics (with H. Putter), *Ann. Statist.* **26** (1998), 1540-1569.
60. Discussion of "Towards systems of social statistics" by I.P. Fellegi and M. Wolfson, *Bull. Intern. Statist. Inst.* **LVII**, **3** (1998), 96-97.
61. Introducing EURANDOM (with W.J.M. Senden), *Statistica Neerlandica* **53** (1999), 1-4.
62. *No complaints so far*, Leiden University Press, Leiden (1999), pp.15; also appeared in *Nieuw Arch. Wisk.* **17** (1999), 268-279.
63. A remark on consistent estimation (with E.W. van Zwet), *Math. Methods of Statistics* **8** (1999), 277-284.
64. Asymptotic efficiency of inverse estimators (with A.C.M. van Rooij and F.H. Ruymgaart), *Teor. Veroyatnost. i Primenen* **44** (1999), 826-844.
65. Opening address of the 52nd Session of the International Statistical Institute at Helsinki, *Bull. Intern. Statist. Inst.* **LVIII** (**3**) (1999), 57-60.
66. David van Dantzig en de ontwikkeling van de stochastiek in Nederland, *Uitbeelden in wiskunde, Proc. Symp. Van Dantzig 2000*, G. Alberts & H. Blauwendraat editors, Centre for Mathematics and Computer Science, Amsterdam (2000), 99-121.
67. Statistics for the contact process (with M. Fiocco), *Statistica Neerlandica* **56** (2002), 243-251.
68. Een bemoelial met smaak: Interview Mike Keane (with G. Alberts), *Nieuw Arch. Wisk.* **5/3** (2002), 141-145.
69. Minimax invariant estimation of a continuous distribution function under entropy loss (with L. Mohammadi), *Metrika* **56** (2002), 31-42.
70. Decaying correlations for the supercritical contact process conditioned on survival (with M. Fiocco), *Bernoulli* **9** (2003), 763-781.

71. Parameter estimation for the supercritical contact process (with M. Fiocco), *Bernoulli* **9** (2003), 1071-1092.
72. Weak convergence results for the Kakutani interval splitting procedure (with R. Pyke), *Ann. Probab.* **32** (2004), 380-423.
73. On the minimal travel time needed to collect n items on a circle (with N. Litvak), *Ann. Appl. Probab.* **14** (2004), 881-902.
74. Niets nieuws onder de zon, *STAtOR* **5-2** (2004), 21-29.
75. Performance of control charts for specific alternative hypotheses (with A. Di Bucchianico, M. Hušková and P. Klášterecký), *COMPSTAT 2004, Proceedings in Computational Statistics*, J. Antoch editor, Physica Verlag, Heidelberg, New York (2004), 903-910.
76. Pythagoras voor de Tweede Kamer: Interview met Hans de Rijk, Cor Baayen en Jack van Lint (with Gerard Alberts), *Nieuw Arch. Wisk.* **5/5** (2004), 212-217.
77. Maximum likelihood estimation for the contact process (with M. Fiocco), *Festschrift for Herman Rubin*, Institute of Mathematical Statistics Lecture Notes-Monograph Series **45** (2004), 309-318..
78. Wassily Hoeffding 1914-1991 (with Nicholas I. Fisher), *Biographical Memoirs of the National Academy of Sciences* **86**, The National Academies Press, Washington, D.C. (2005), 1-21.
79. Statistics and the law, *ISI 2005, 55th Session of the International Statistical Institute*, Sydney, Australia (2005), ISBN: I 877040 28 2.
80. Wetenschap of Maatschappij: In memoriam Guus Zoutendijk (with L.C.M. Kallenberg), *Nieuw Arch. Wisk.* **5/6** (2005), 193-196. .
81. Maximum likelihood for the fully observed contact process (with M. Fiocco), *J. Comp. Appl. Math.* **186** (2005), 117-129
82. An expansion for a discrete non-lattice distribution (with F. Götze), *Frontiers in Statistics*, J. Fan & H.L. Koul editors, Imperial College London (2006), 257-274.
83. EURANDOM: a decade of European statistics (with W.Th.F. den Hollander and W.J.M. Senden), *Statistica Neerlandica* **62** (2008), 256-265.
84. Remembering Wassily Hoeffding (with N.I. Fisher), *Statistical Science* **23** (2008), 536-547.
85. Remembering Erich Lehmann, to appear in *Ann. Statist.* **39** (2011)
86. The times of Yuri Vasilyevich Prohorov (with F. Götze), to appear.
87. Erich Lehmann on rank methods. To appear in *Selected Works of E.L. Lehmann* (J. Rojo., editor). Springer, New York, to appear.
88. Peter Bickel on higher order asymptotics. To appear in *Selected Works of Peter Bickel* (Y. Fan, editor). Springer, New York, to appear.
89. *Selected Works of Willem van Zwet* (S. van de Geer and M. Wegkamp. Editors). Springer, New York, to appear..
90. Resampling: The jackknife and the naïve bootstrap, in preparation.