Tom Wansbeek, CV Feb. 10, 2022

Personal

Thomas Johannes Wansbeek
t.j.wansbeek@rug.nl
Born in Delft, The Netherlands, February 2, 1947
Married, three children, four grandchildren
Officer in the Order of Orange-Nassau, 2008

Education

PhD, University of Leiden, 1980
MSc in Econometrics, University of Amsterdam, 1972
Vondel Gymnasium, Amsterdam, 1964-1965
Vossius Gymnasium, Amsterdam, 1958-1964

Employment

Professor Emeritus, University of Groningen, 2020-
Lecturer, University of Groningen, 2017-2020
Honorary Professor of Statistics and Econometrics, University of Groningen, 2010-2017
Dean, Faculty of Economics and Business, University of Amsterdam, 2007-2010
Professor of Microeconometrics, University of Amsterdam, 2007-2010
Dean, Faculty of Economics, University of Groningen, 2001-2007
Professor of Statistics and Econometrics, University of Groningen, 1984-2007
Senior Researcher, Netherlands Central Bureau of Statistics, 1980-1984
Assistant Professor, University of Leiden, 1975-1980
Researcher, University of Amsterdam, 1972-1975

Visiting positions

Zhejiang University, 2014-2016
University of Southern California, 1979, 1990, 2014
Fudan University, 2007
University of Innsbruck, 2006
University of Munich, 2005
Australian National University, 1995

Editorial activities

Guest co-editor (with V. Sarafidis), issue on panel data, *Journal of Econometrics*, 2021
Guest co-editor (with Y. Hu), issue on measurement error, *Journal of Econometrics*, 2017
Editorial Board member, *Econometric Reviews*, 2014-
Associate Editor, *Journal of Econometrics*, 2002-2014
Guest co-editor (with M. Wedel), issue on marketing, *Journal of Econometrics*, 1999
Guest co-editor (with J.C. van Houwelingen and D. Sikkel), issue on panel data, *Statistica Neerlandica*, 1995
Editorial Board member, *Journal of Applied Econometrics*, 1992-1997
Editorial Board member, *Statistica Neerlandica*, 1987-1995
Guest co-editor (with J. de Leeuw and W.J. Keller), issue on psychometrics, *Journal of Econometrics*, 1983

Service to the profession

Member, assessment committee, Faculty of Economics and Business, University of Zagreb, 2018
Member, supervisory board, AOG b.v., 2017-
Chairman, evaluation committee, economics programs of three Dutch universities, 2016
Fellow, Center for Economic and Social Research, University of Southern California, 2014-
Confidential adviser, academic integrity, University of Groningen, 2012-
Member, advisory board, Amsterdam Executive Master of Actuarial Sciences, 2011-2020
Chairman, evaluation committee, economics and management programs of the Flemish universities, 2011-2012
Member, assessment committee, School of Economics, Fudan University, 2010
Board member, Energy Delta Institute, 2003-2007
Advisory Board member, Netspar, 2005-2010
Scientific Committee member, International Conferences on Panel Data, 1996- (coordinator, 2013-)
Secretary-Treasurer, C.R. Rao Foundation, 1993-2007
Co-chairman (with J.F. Kiviet), NWO program on longitudinal econometrics, 1992-1996
Extramural fellow, CentER, University of Tilburg, 1988-1999
Co-founder and secretary, NAKE (Netherlands graduate program in economics), 1986-1999
Member, Econometric Society European Meeting Program Committee: 1986, 1993, 1996, 2001
Co-author (with A. Kapteyn) of the annual "Top-40 of Dutch economists", 1980-1989
Refereeing: about 250 papers for about 40 journals

PhD (co-)supervision

E.C. Leertouwer (2002), *Measurement issues in political economy*
Z.Sándor (2001), *Computation, efficiency and endogeneity in discrete choice models*
P.N. Spring (2001), *Statistical methods in database marketing*
H.R. van der Scheer (1998), *Quatitative approaches for profit maximization in direct marketing*
J. van der Ploeg (1997), *Instrumental variable estimation and group-asymptotics*
H.J. Nieuwenhuis (1995), *Continuous-time macroeconometric modelling*
J.R. Bult (1993), *Target selection for direct marketing*
W. Dol (1991), *Small area estimation, a synthesis between sampling theory and econometrics*
H.J. Meurs (1991), *A panel data analysis of travel demand*
R.H. Renssen (1991), *Robust analysis in a mixed model for the two-way layout*
A. Merckens (1991), *Computer algebra applications in econometrics*
R.J. Kugel (1990), *Varying parameter models and nonparametric regression*
J. Verhees (1989), *Econometric analysis of multidimensional models*
V.J. de Jong (1988), *Conductor: a multilingual programming environment for statistical software*

Books

1. Wansbeek, T.J. and E. Meijer, 2000, *Measurement errors and latent variables in econometrics*. Advanced Textbooks in Economics, 37. North-Holland, Amsterdam.

2. Bekker, P. A., A. Merckens and T.J. Wansbeek, 1994, *Identification, equivalent models, and computer algebra*. Academic Press, San Diego.

3. Wansbeek, T.J., 1980, *Quantitative effects in panel data modelling*. Unpublished Ph.D. thesis, Leiden University.

Book chapters

1. Wansbeek, T.J., 2017, Generalized method of moments. In: P.S.H. Leeflang, J.E. Wieringa and T.H.A. Bijmolt, eds, *Advanced methods for modeling markets*. Springer, 453-491.

2. Balázsi, L., L. Mátyás and T.J. Wansbeek, 2017, Fixed effects models. In: L. Mátyás, ed., *The econometrics of multi-dimensional panels: theory and applications*. Springer, 1-34.

3. Meijer, E., L. Spierdijk and T.J. Wansbeek, 2014, Measurement error in panel data. In: B.H. Baltagi, ed., *The Oxford handbook of panel data econometrics*. Oxford University Press, 325-362.

4. Meijer, E., L. Spierdijk and T.J. Wansbeek, 2013, Measurement error in the linear dynamic panel data model. In: B.C. Sutradhar, ed., *Longitudinal data analysis subject to measurement error, missing values and/or outliers*. Springer, 77-92.

5. Wansbeek, T.J., 2001, GMM estimation in panel data models with measurement error. In B.H. Baltagi, ed., 2002, *Recent developments in the econometrics of panel data*. Edward Elgar, Aldershot. (Reprint of journal publication.)

6. Muus, L., H. van der Scheer and T.J. Wansbeek, 2002, A decision theoretic framework for profit maximization in direct marketing. In: Ph.H. Franses and A. Montgomery, eds., *Econometric models in marketing*. Advances in Econometrics volume 16, JAI, Amsterdam, 119-140.

7. Bekker, P.A. and T.J. Wansbeek, 2001, Identification in parametric models. Chapter 7 in: B.H. Baltagi, ed., *A companion to theoretical econometrics*. Blackwell, Malden, MA.

8. Wansbeek, T.J. and E. Meijer, 2001, Measurement error and latent variables. Chapter 8 in: B.H. Baltagi, ed., *A companion to theoretical econometrics*. Blackwell, Malden, MA.

9. Bekker, P.A. and T.J. Wansbeek, 2000, Matrix inequality applications in econometrics. Chapter 3 in: R.D.H. Heijmans, D.S.G. Pollock and A. Satorra, eds., *Innovations in multivariate statistical analysis*. Kluwer, Boston, 51-66.

10. Otter, P.W., H. van der Scheer and T.J. Wansbeek, 1999, Direct mail selection by joint modeling of the probability and quantity of response. In: H.F. Chen and D.Z. Cheng, eds. *Proceedings of the 14th World Congress of IFAC*, volume L, Pergamon-Elsevier, Oxford, 459-464.

11. Dehling, H.G., T.K. Dijkstra, H.J. Guichelaar, W. Schaafsma, A.G.M. Steerneman, T.J. Wansbeek and J.T. van der Zee, 1996, Structuring the inferential contest. In: D.A. Berry, K.M. Chaloner and J.K. Geweke, eds., *Bayesian analysis in statistics and econometrics*. Wiley, New York, 539-547.

12. Koning, R.H., H. Neudecker and T.J. Wansbeek, 1993, Imposed quasi-normality in covariance structure analysis. In: K. Haagen, D. Bartholomew and M. Deistler, eds., *Proceedings of the international workshop on statistical modelling and latent variables*. North-Holland, Amsterdam, 191-202.

13. Wansbeek, T.J. and A. Kapteyn, 1989, Estimation of the error components model with incomplete panels. In: G.S. Maddala, ed., 1993 *The econometrics of panel data, volume II*. Edward Elgar, Aldershot, 45-65. (Reprint of journal publication.)

14. Wansbeek, T.J., 1980, A regression interpretation of the computation of MINQUE variance component estimates. In: G.S. Maddala, ed., 1993 *The econometrics of panel data, volume I*. Edward Elgar, Aldershot, 146-147. (Reprint of journal publication.)

15. Wansbeek, T.J. and A. Kapteyn, 1992, Simple estimators for dynamic panel data models with errors in the variables. In: R. Bewley and Tran Van Hoa, eds., *Contributions to consumer demand and econometrics*. McMillan, London, 238-251.

16. Ridder, G. and T.J. Wansbeek, 1990, Dynamic models and panel data. In: F. van der Ploeg, ed., *Advanced lectures in quantitative economics*. Academic Press, New York, 557-582.

17. Alessie, R. J. M., A. Kapteyn, J.B. van Lochem and T.J. Wansbeek, 1990, Individual effects in utility consistent models of demand. In: J. Hartog, G. Ridder and J. Theeuwes, eds., *Panel data and labour market studies*. North-Holland, Amsterdam, 253-278.

18. Wansbeek, T.J., 1989, Permutation matrix-II. In: S. Kotz and N.J. Johnson, eds., *Encyclopedia of statistical sciences, Supplement volume*. Wiley, New York, 121-122.

19. Wansbeek, T.J. and J. Verhees, 1989, Models for multidimensional matrices in econometrics and psychometrics. In: R. Coppi and S. Bolasco, eds., *Multiway data analysis*. North-Holland, Amsterdam.

20. Wansbeek, T.J., 1988, Vec-operator. In: S. Kotz and N.J. Johnson, eds., *Enclopedia of statistical sciences, Volume 9*. Wiley, New York, 492-493.

21. Aigner, D. J., C. Hsiao, A. Kapteyn and T.J. Wansbeek, 1984, Latent variable models in econometrics. In: Z. Griliches and M. D. Intriligator, eds., *Handbook of econometrics, Volume 2*. North-Holland, Amsterdam, 1321-1393

22. Bekker, P.A., A. Kapteyn and T.J. Wansbeek, 1984, Measurement error and endogeneity in regression: bounds for ML and IV estimates. In: T.K. Dijkstra, ed., *Misspecification analysis*. Springer, Berlin.

23. Wansbeek, T.J. and A. Kapteyn, 1981, Estimators of the covariance structure of a model for longtitudinal data. In: E.G. Charatsis, ed., *Proceedings of the Econometric Society European Meeting 1979: selected econometric papers*. North-Holland, Amsterdam.

Papers in refereed journals

1. Spierdijk, L., E. Meijer and T.J. Wansbeek, 2022, Moment conditions for the quadratic regression model with measurement error, *Econometric Reviews*, forthcoming.

2. Niccodemi, G. and T.J. Wansbeek, 2022, A new estimator for standard errors with few unbalanced clusters, *Econometrics* 10, 6, 1-7.

3. Meijer, E., E. Oczkowski and T.J. Wansbeek, 2021, How measurement error affects inference in linear regression, *Empirical Economics*, 60, 131-155.

4. Balázsi, L., L. Mátyás and T.J. Wansbeek, 2018, The estimation of multi-dimensional fixed effects panel data models, *Econometric Reviews*, 37, 212-227.

5. Meijer, E., L. Spierdijk and T.J. Wansbeek, 2017, Consistent estimation of linear panel data models with measurement error, *Journal of Econometrics*, 200, 169-180.

6. Wansbeek, T.J. and D.R.J. Prak, 2017, LIML in the static linear panel data model, *Econometric Reviews* 36, 385-395.

7. Wessels, R.E., T.J. Wansbeek and L. Dam, 2016, What is the relation (if any) between a firm's corporate governance arrangements and its financial performance?, *Multinational Finance Journal*, 20, 323-354.

8. Bekker, P.A. and T.J. Wansbeek, 2016, Simple many-instruments robust standard errors through concentrated instrumental variables, *Economics Letters* 149, 52-55.

9. Leeflang, P.S.H., P.N. Spring, J. van Doorn and T.J. Wansbeek, 2013, Identifying the direct mail-prone consumer, *Journal of Global Scholars of Marketing Science* 23, 175-195.

10. Sarafidis, V. and T.J. Wansbeek, 2012, Cross-sectional dependence in panel data analysis. *Econometric Reviews* 31, 483-531.

11. Meijer, E., S. Rohwedder and T.J. Wansbeek, 2012, Measurement error in earnings data: using a mixture model approach to combine survey and register data. *Journal of Business & Economic Statistics* 30, 191-201.

12. Meijer, E. and T.J. Wansbeek, 2007, The sample selection model from a method of moments perspective. *Econometric Reviews* 26, 25-51.

13. de Haan, J., E. Leertouwer, E. Meijer and T.J. Wansbeek, 2003, Measuring central bank independence: a latent variables approach. *Scottish Journal of Political Economy* 50, 326-340.

14. Wansbeek, T.J., 2001, GMM estimation in panel data models with measurement error. *Journal of Econometrics*, 104, 259-268.

15. Meijer, E. and T.J. Wansbeek, 2000, Measurement error in a single regressor. *Economics Letters*, 69, 277-284.

16. Meijer, E. and T.J. Wansbeek, 1999, Quadratic factor score prediction. *Psychometrika*, 64, 495-508.

17. Wansbeek, T.J. and T. Knaap, 1999, Estimating a dynamic panel data model with heterogeneous trends. *Annales d'Économie et de Statistique*, 55-56, 331-349.

18. Spring, P.N., P.S.H. Leeflang and T.J. Wansbeek, 1999, The combination strategy to optimal target selection and offer segmentation in direct mail. *Journal of Market-Focused Management*, 4, 187-203.

19. ten Berge, J.M.F., W.P. Krijnen, T.J. Wansbeek and A. Shapiro, 1999, Some new results on correlation preserving factor scores prediction methods. *Linear Algebra and its Applications* 289, 311-318.

20. Haaijer, M.E., M. Wedel, M. Vriens and T.J. Wansbeek, 1998, Utility covariances and context effects in conjoint MNP models. *Marketing Science*, 17, 236-252.

21. Kapteyn, A., S. van der Geer, H. van de Stadt and T.J. Wansbeek, 1997, Interdependent preferences: an econometric analysis. *Journal of Applied Econometrics*, 12, 665-686.

22. Bult, J.R., H.R. van der Scheer and T.J. Wansbeek, 1997, Interaction between target and mailing characteristics in direct marketing, with an application to health care fund raising. *International Journal for Research in Marketing*, 14, 301-308.

23. Krijnen, W.P., T.J. Wansbeek and J.M.F. ten Berge, 1996, Best linear estimators for factor scores. *Communications in Statistics* A 25, 3013-3025.

24. Wansbeek, T.J. and P.A. Bekker, 1996, On IV, GMM and ML in a dynamic panel data model. *Economics Letters* 51, 145-152.

25. Bekker, P.A., P. Dobbelstein and T.J. Wansbeek, 1996, The APT model as reduced-rank regression. *Journal of Business & Economic Statistics* 14, 199-202.

26. Dol, W., A.G.M. Steerneman and T.J. Wansbeek, 1996, Matrix algebra and sampling theory: the case of the Horvitz-Thompson estimator. *Linear Algebra and its Applications*, 237/238, 225-238.

27. Bekker, P.A. and T.J. Wansbeek, 1996, Proxies versus omitted variables in regression analysis. *Linear Algebra and its Applications*, 237/238, 301-312.

28. Bult, J.R. and T.J. Wansbeek, 1995, Optimal selection for direct mail. *Marketing Science* 14, 378-394.

29. Wansbeek, T.J., 1992, Transformations for panel data when the disturbances are autocorrelated. *Structural Change and Economic Dynamics*, 3, 375-384.

30. Koning, R.H., H. Neudecker and T.J. Wansbeek, 1992, Unbiased estimation of fourth-order matrix moments. *Linear Algebra and its Applications* 160, 163-174.

31. Neudecker, H. and T.J. Wansbeek, 1991, Rao's MINQUE-without-invariance revisited. *Journal of Quantitative Economics* 7, 239-246.

32. Wansbeek, T.J. and R. H. Koning, 1991, Measurement error and panel data. *Statistica Neerlandica* 45, 85-92.

33. Koning, R.H., H. Neudecker and T.J. Wansbeek, 1991, Block Kronecker products and the vecb operator. *Linear Algebra and its Applications* 149, 165-184.

34. Wansbeek, T.J., 1991, Singular value decomposition of design matrices in balanced ANOVA models. *Statistics & Probability Letters* 11, 33-36.

35. Verhees, J. and T.J. Wansbeek, 1990, A multimode direct product model for covariance structure analysis. *British Journal of Mathematical & Statistical Psychology* 43, 231-240.

36. Dijkstra, T.K. and T.J. Wansbeek, 1990, Comment on: instrumental variables and maximum likelihood. *Annales d'Economie et de Statistique* 17, 205-209.

37. Wansbeek, T.J. and J. Verhees, 1990, The algebra of multimode factor analysis. *Linear Algebra and its Applications* 127, 631-639.

38. Van de Stadt, H. and T.J. Wansbeek, 1990, Regression effects in tabulating from panel data. *Journal of Official Statistics* 6, 311-317.

39. Wansbeek, T.J. and A. Kapteyn, 1989, Estimation of the error components model with incomplete panels. *Journal of Econometrics* 41, 341-361.

40. Merckens, A. and T.J. Wansbeek, 1989, Formula manipulation in statistics on the computer: evaluating the expectation of higher-degree functions of normally distributed matrices. *Computational Statistics & Data Analysis* 8, 189-200.

41. Bekker, P.A., A. Kapteyn and T.J. Wansbeek, 1987, Consistent sets of estimates for regressions with correlated or uncorrelated measurement errors in arbitrary subsets in all variables. *Econometrica* 55, 1223-1230.

42. Neudecker, H. and T.J. Wansbeek, 1987, Fourth-order properties of normally distributed random matrices. *Linear Algebra and its Applications* 97, 13-21.

43. Kapteyn, A., H. Neudecker and T.J. Wansbeek, 1986, An approach to *n*-mode component analysis. *Psychometrika* 51, 269-275.

44. Bekker, P.A., T.J. Wansbeek and A. Kapteyn, 1985, Errors in variables in econometrics: new developments and recurrent themes. *Statistica Neerlandica* 39, 129-141.

45. Wansbeek, T.J. and A. Kapteyn, 1985, Estimation in a linear model with serially correlated errors when observations are missing. *International Economic Review* 26, 469-490.

46. Kapteyn, A. and T.J. Wansbeek, 1985, The individual welfare function: a review. *Journal of Economic Psychology* 6, 333-363.

47. Kapteyn, A. and T.J. Wansbeek, 1985, The individual welfare function: a rejoinder. *Journal of Economic Psychology* 6, 375-381.

48. Kapteyn, A. and T.J. Wansbeek, 1984, Errors in variables: Consistent Adjusted Least Squares (CALS) estimation. *Communications in Statistics* A 13, 1811-1837.

49. Wansbeek, T.J., 1984, Eigenvalue-eigenvector analysis for a class of patterned correlation matrices with an application: a comment. *Statistics & Probability Letters* 3, 95-96.

50. Keller, W.J. and T.J. Wansbeek, 1983, Multivariate methods for quantitative and qualitative data. *Journal of Econometrics* 22, 91-111.

51. Neudecker, H. and T.J. Wansbeek, 1983, Some results on commutation matrices, with statistical applications. *Canadian Journal of Statistics* 11, 221-231.

52. Kapteyn, A. and T.J. Wansbeek, 1983, Identification in the linear errors in variables model. *Econometrica* 51, 1847-1849.

53. Wansbeek, T.J. and A. Kapteyn, 1983, A note on spectral decomposition and maximum likelihood estimation in ANOVA models with balanced data. *Statistics & Probability Letters* 1, 213-215.

54. Wansbeek, T.J. and A. Kapteyn, 1983, Tackling hard questions by means of soft methods: the use of individual welfare functions in socio-economic policy. *Kyklos* 36, 249-269.

55. Wansbeek, T.J. and A. Kapteyn, 1982, A simple way to obtain the spectral decomposition of variance components models for balanced data. *Communications in Statistics* A 11, 2105-2112.

56. Wansbeek, T.J., 1982, Another approach to inverting a covariance matrix when data are unbalanced. *Communications in Statistics* B 11, 583-588.

57. Lenstra, A.K., J.K. Lenstra, A.H.G. Rinnooy Kan and T.J. Wansbeek, 1982, Two lines least squares. *Annals of Discrete Mathematics* 16, 201-211.

58. Wansbeek, T.J. and A. Kapteyn, 1982, A class of decompositions of the variance-covariance matrix of a generalized error components model. *Econometrica* 50, 713-724.

59. Kapteyn, A. and T.J. Wansbeek, 1982, Empirical evidence on preference formation. *Journal of Economic Psychology* 2, 137-154.

60. Wansbeek, T.J., 1980, A regression interpretation of the computation of MINQUE variance component estimates. *Journal of the American Statistical Association* 75, 375-376.

61. Kapteyn, A., T.J. Wansbeek and J. Buyze, 1980, The dynamics of preference formation. *Journal of Economic Behavior and Organization* 1, 123-157.

62. Kapteyn, A., T.J. Wansbeek and J. Buyze, 1979, Maximizing or satisficing? *The Review of Economics and Statistics* 61, 549-563.

63. Kapteyn, A., T.J. Wansbeek and J. Buyze, 1978, The dynamics of preference formation. *Economics Letters* 1, 93-98.

64. Wansbeek, T.J. and A. Kapteyn, 1978, The separation of individual variation and systematic change in the analysis of panel data. *Annales de l'INSEE* 30-31, 659-680.

65. Wansbeek, T.J., 1977, Least-squares estimation of trip distribution parameters: a note. *Transportation Research* 11, 429-431.

Miscellaneous

1. Niccodemi, G., Alessie, R., Angelini, V., Mierau, J. and T.J. Wansbeek, 2020, *Refining clustered standard errors with few clusters*, SOM report 2021002-EEF.

2. Spierdijk, L. and T.J. Wansbeek, 2021, *Differencing as a consistency test for the within estimator*, SOM report 2021006-EEF.

3. Sarafidis, V. and T.J. Wansbeek, 2021, Celebrating 40 years of panel data analysis: past, present and future, *Journal of Econometrics*, 220, 215-226.

4. Wansbeek, T.J., 2017, Arie Kapteyn: een econoom van de buitencategorie, *Me Judice*, October 16.

5. Hu, Y. and T.J. Wansbeek, 2017, Measurement error models: editors' introduction, *Journal of Econometrics*, 200, 151-153.

6. Wansbeek, T.J. and R.E. Wessels, 2015, Noorwegen laat zien: quota werken niet, *NRC*, March 6.

7. Wansbeek, T.J., 2012, On the remarkable success of the Arellano-Bond estimator. *AENORM* 77, 15-20.

8. Wansbeek, T.J. and E. Meijer, 2007, Comments on: Panel data analysis - advantages and challenges. *TEST* 16, 33-36.

9. Wansbeek, T.J., 2004, Correcting for heteroskedasticity of unspecified form - Problem 04.1.2. *Econometric Theory*, 20, 224.

10. Wansbeek, T.J., 2002, Some properties of a generalized two-error components matrix - Solution to problem 01.5.1. *Econometric Theory*, 18, 1275-1276.

11. Wansbeek, T.J., 2002, Wij sukkels! *Economisch Statistische Berichten* 87, 203.

12. Wansbeek, T.J. and J.M.F. ten Berge, 2002, A determinantal inequality - Solution to problem 01.2.1. *Econometric Theory*, 18, 542.

13. Wansbeek, T.J., M. Wedel and E. Meijer, 2001, Comment on "Microeconometrics" by J.A. Hausman. *Journal of Econometrics*, 100/101, 89-91.

14. Wansbeek, T.J. and M. Wedel, 1999, Marketing and econometrics: editors' introduction. *Journal of Econometrics* 89, 1-14.

15. Steerneman, A.G.M. and T.J. Wansbeek, 1999, An interesting property of the Mahalanobis distance - Solution to problem 99.1.2. *Econometric Theory*, 15, 904-905.

16. Van Houwelingen, J.C., D. Sikkel and T.J. Wansbeek, 1995, Special issue on longitudinal models; guest editors' preface. *Statistica Neerlandica*, 49, 267-268.

17. Wansbeek, T.J., 1992, Paneldatok transzformációja a reziduális változók autocorrelációja esetén. *Szigma* 21, 6-13.

18. Wansbeek, T.J., 1991, Voortschrijdende tijd en voortschrijdende gemiddelden. In: J.L. Bouma, Th. Junius, S.K. Kuipers and L. Schoonbeek, eds., *Samenspel, opstellen aangeboden aan Prof.Dr. G.F.W.M. Pikkemaat*. Wolters-Noordhoff, Groningen, 261-269.

19. Kapteyn, A. and Wansbeek, T.J., 1989, Afscheid van de Top-40. *Intermediair* 25 (51), 17-19.

20. Wansbeek, T.J., 1989, An alternative heteroskedastic error components model - Solution to problem 88.1.1. *Econometric Theory*, 5, 326.

21. de Schuite, A.D.S., 1987, Nieuwe Nederlandse economen. *Intermediair* 23 (52), 9-11.

22. de Schuite, A.D.S., 1986, Een nieuwe Nederlandse top-econoom! *Intermediair* 22 (52), 33-35.

23. Wansbeek, T.J., 1986, *Individuele effecten*. Inaugural lecture, University of Groningen.

24. de Schuite, A.D.S., 1985, Top-40 van Nederlandse economen. *Intermediair* 21 (52), 23-25.

25. Keller, W.J. and T.J. Wansbeek, 1985, Statistical methods at the Netherlands Central Bureau of Statistics. *Journal of Official Statistics* 1, 435-445.

26. Van de Stadt, H. and T.J. Wansbeek, 1985, Regression effects in tabulating from panel data. *Kwantitatieve Methoden* 21, 133-142.

27. Wansbeek, T.J. and H. van de Stadt, 1985, Econometrie in dienst van de beschrijvende statistiek: Het tabelleren van verandering. In: G.F.W.M. Pikkemaat and J. Moors, eds., *Liber amicorum Jaap Muilwijk*. University of Groningen.

28. Kapteyn, A. and T.J. Wansbeek, 1985, Publicaties en kwaliteitsmeting bij economisch onderzoek. In: H.A. Becker and A.F.J. van Raan, eds., *Kwaliteit in de wetenschap: een meetbaar begrip (Quality in science: a measurable notion)*. DSWO Press, Leiden, 311-319.

29. Wansbeek, T.J., 1985, Singuliere covariantiematrices en SUR-modellen: enige opmerkingen over de specificatie van De Boer en Harkema. *Kwantitatieve Methoden* 18, 99-102.

30. de Schuite, A.D.S., 1984, De Top-40 en wat economen over economen schrijven. *Intermediair* 20 (50), 27-29.

31. de Schuite, A.D.S., 1983, Nieuwe Top-40 van Nederlandse economen. *Intermediair* 19 (50), 13-17.

32. De Leeuw, J., W.J. Keller and T.J. Wansbeek, 1983, Interfaces between econometrics and psychometrics: editors' introduction. *Journal of Econometrics* 22, 1-12.

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