

Maarten Leendert Buis

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Education

July 2010 Doctorate degree (PhD) in Social Sciences at the VU University Amsterdam (the Netherlands), *cum laude*¹. Supervisors: Harry B.G. Ganzeboom and Adriaan W. Hoogendoorn. Thesis: 'Inequality of Educational Outcome and Inequality of Educational Opportunity in the Netherlands during the 20th Century'.

May 2006 VU University Amsterdam: Meta-Analysis

February – March 2006 Internship UCLA, Department of Sociology (Los Angeles, USA), Host: Prof. Dr. Donald J. Treiman

October 2005 VU University Amsterdam: Teaching in English

summer 2005 ICPSR summer program (Ann Arbor, USA): Advanced Multivariate Statistical Methods, Mathematical Models: Game Theory, Data Mining, Simultaneous Equation Models, Longitudinal Analysis, "LISREL" Models: General Structural Equations

summer 2004 ICPSR summer program: Maximum Likelihood Estimation for Generalized Linear Models, Advanced Topics in Maximum Likelihood Estimation for Generalized Linear Models, Bayesian Methods for the Social and Behavioral Sciences, Time Series Analysis, Missing Data: Statistical Analysis of Data with Incomplete Observations

November 2003 KU Leuven (Belgium): Introduction to Numerical Techniques for Statisticians

1997 – 2003 Doctoraal sociale en institutionele economie, Universiteit Utrecht (the Netherlands) [M.A. social and institutional economics]. Title thesis: "International Trade and the Level of Regulation".

1995 – 1997 Propedeuse sociale geografie, [first year exam human geography] Universiteit Utrecht

1989 – 1995 VWO, [pre-university education] Jac. P. Thijsse College Castricum (the Netherlands)

¹The Dutch system only knows two grades for a PhD thesis: pass or *cum laude*, and the latter is only rarely given (< 5%).

Language skills

Dutch	mother tongue
English	fluent
German	speaking and reading: proficient, writing: basic

Appointments

March 2009 – July 2012	Wissenschaftlicher Mitarbeiter, Institut für Soziologie, Eberhard Karls Universität Tübingen, Germany
September 2010, November 2011 and February 2012	Guest-researcher at SOFI in Stockholm, Sweden. Host: Dr. Juho Härkönen
February 2010	Consultant on strategies for dealing with missing data, at CIFOR in Bogor, Indonesia
2003 – 2008	Promovendus, Department of Social Research Methodology, VU University Amsterdam, the Netherlands
2002	Research Assistant. [Dr. J.B.D. Simonis] Department of Social and Institutional Economics, Utrecht University, the Netherlands

Publications

Books

2011	Buis, Maarten L. (Ed.) (2011) <i>Unobserved Heterogeneity in Mare Models</i> , A special issue of Research in Social Stratification and Mobility. Amsterdam: Elsevier.
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Peer reviewed articles

forthcoming	Buis, Maarten L. (forthcoming) "The composition of family background: The influence of the economic and cultural resources of both parents on educational attainment of their offspring in the Netherlands between 1939 and 1991." <i>European Sociological Review</i> .
2011	Buis, Maarten L. (2011) "The consequences of unobserved heterogeneity in a sequential logit model." <i>Research in Social Stratification and Mobility</i> , 29(3), pp. 247–262.
2010	Buis, Maarten L. (2010) "Direct and indirect effects in a logit model." <i>The Stata Journal</i> , 10(1), pp. 11–29.
2007	Buis, Maarten L. (2007), "Predict and adjust with logistic regression." <i>The Stata Journal</i> , 7(2), pp. 221–226.

Professional publications

- forthcoming Buis, Maarten L. (forthcoming) "Stata tip #: with or without reference." *The Stata Journal*.
- Buis, Maarten L. (forthcoming) "Stata tip #: The baseline is now reported." *The Stata Journal*.
- 2011 Buis, Maarten L. (2011) "Stata tip 97: Getting at ρ s and σ s." *The Stata Journal*, 11(2), pp. 315–317.
- 2010 Buis, Maarten L. (2010) "Stata tip 87: Interpretation of interactions in non-linear models." *The Stata Journal*, 10(2), pp. 305–308.
- 2009 Buis, Maarten L. and Martin Weiss (2009), "Stata tip 81: A table of graphs." *The Stata Journal*, 9(4), pp. 643–647.
- 2007 Buis, Maarten L. (2007), "Stata tip 54: Where did my p-values go?" *The Stata Journal*, 7(4), pp. 584–586.
- Buis, Maarten L. (2007), "Stata tip 48: Discrete uses for uniform()." *The Stata Journal*, 7(3), pp. 434–435.
- 2003 Buis, Maarten L. (2003), "Internationale handel en eigen regulering." [International Trade and Regulation.] *ESB*, 22 Augustus 2003, pp. 388–391

Selected working papers / work in progress

Buis, Maarten L. and Wiepking, Pamala. "Selective donations: A non-technical discussion of the use of parametric models in the analysis of donation behavior." Last revised: November 8, 2011 (submitted for publication).

Buis, Maarten L. "Not all transitions are equal: The relationship between inequality of educational opportunities and inequality of educational outcomes." Last revised: February 8, 2011 (submitted for publication).

Buis, Maarten L. "Combining information from multiple variables using models for causal indicators." Last revised: August 1, 2010 (submitted for publication).

Buis, Maarten L. "The impossibility of using highest achieved level of education to estimate the probability of passing a transition unconditional on having passed previous transitions." Last revised: June 3, 2007 (<http://www.maartenbuis.nl/wp/holm.html>).

Buis, Maarten L. "An introduction to survival analysis." Last revised: April 2, 2006 (<http://www.maartenbuis.nl/wp/survival.html>).

Presentations

Invited lectures

- 2011 "Simulation as a way to combine information from multiple sources" presented at the University of Konstanz on January 12, 2011 in Konstanz.
- 2010 "Extracting effects from non-linear models" presented at the 7th Italian Stata Users Group Meeting on November 11, 2010 in Bologna.
- "Consequences of educational expansion in Germany on educational attainment in the next generation" presented at the SWS seminar on August 31, 2010 at SOFI, Stockholm.
- "Strategies for dealing with missing data" presented at CIFOR on February 25, 2010 in Bogor, Indonesia.
- 2009 "Linking process to outcome: Inequality of educational opportunities and inequality of educational outcomes" presented at the University of Milan on May 11, 2009 in Milan.
- 2008 "Understanding statistics using simulate" presented at the 2008 Summer North American Stata Users Group meeting on July 24, 2008 in Chicago.
- "Inequality of educational opportunities and inequality of educational outcomes" presented at StataCorp on July 28, 2008 in College Station.
- 2007 "Linking process to outcome: Inequality of educational opportunities and inequality of educational outcomes." presented at the Juan March Institute on November 23, 2007 in Madrid.
- 2006 "Not all transitions are equal: The effect of differences between men and women in educational expansion on educational inequality in the Netherlands between 1912 and 1988." presented at the University of Warsaw on December 13, 2006 in Warsaw.
- 2005 "Nonlinear Trend in Inequality of Educational Opportunity in the Netherlands 1930-1989" presented at the University of Mannheim on November 15, 2005 in Mannheim.

Conferences

- 2011 "Comparing observed and theoretical distributions", presented at the 4th Nordic and Baltic Stata Users' meeting on November 11, 2011 in Stockholm.
- "Does the waning effect of parental SES in educational transition models result from increasing measurement error?" (with Martin Kreidl), presented at the Summer Meeting of the RC28 on August 10, 2011 in Iowa City.
- "The Social Composition of Educational Groups: Long-Term Trends and the Role of Demographic Factors" (with Bastian Moenkerdiek and Steffen Hillmert), presented at the Summer Meeting of the RC28 on August 10, 2011 in Iowa City.
- "Lange termijn trends in onderwijsmobiliteit", presented at the AMCIS Jaarconferentie: "Onderwijs en stratificatie: Effecten op het gebied van Ongelijkheid, Arbeidsmarkt en

- Participatie in de afgelopen decennia” on January 20, 2011 in Amsterdam.
- 2010 “Consequences of educational expansion in Germany on educational attainment in the next generation” (with Bastian Moenkerdiek and Steffen Hillmert), presented at the ECSR conference Analysing Education, Family, Work and Welfare in Modern Societies on October 1, 2010 in Bamberg.
- “Analyzing proportions”, presented at the 8th German Stata Users’ Group meeting on June 25, 2010 in Berlin.
- “The consequences of unobserved heterogeneity in a sequential logit model”, presented at the Workshop on unobserved heterogeneity in Mare models, held at the Spring Meeting of the RC28 on May 11, 2010 in Haifa.
- 2009 “Capturing the impact of demographic processes on social stratification in education in Germany”, presented at the ECSR conference Changing societies in the context of European Union enlargement on December 12, 2009 in Paris.
- “Three models for combining information from causal indicators, The sheafcoef and propcnsreg package”, presented at the 15th UK Stata Users’ Group meeting on September 10, 2009 in London.
- “The consequences of unobserved heterogeneity in a sequential logit model”, presented at the Summer Meeting of the RC28 on August 4, 2009 at Yale University.
- “Not all transition are equally unequal. A comparison between Italy and the Netherlands” (with Hans Schadee and Gabriele Ballarino), presented at International Research Workshop “Inequality of Educational Opportunity in Italy” on June 19, 2009 in Milan.
- “Using and interpreting restricted cubic splines”, presented at the 7th German Stata Users’ meeting on June 26, 2009 in Bonn.
- 2008 “Family background and educational attainment: Are there many inequalities of educational outcome or just one?”, presented at Summer Meeting of the RC28 on August 7, 2008 at Stanford University.
- “Direct and indirect effects in a logit model”, presented at the 6th German Stata Users Group meeting on June 27, 2008 in Berlin.
- “Estimating primary and secondary effects on entering college”, poster presented at the Spring Meeting of the RC28 on May 16, 2008 in Florence.
- “Direct and indirect effects in a logit model”, presented at the 1st Polish Stata Users Group meeting on March 29, 2008 in Warsaw
- 2007 “Usefulness and estimation of proportionality constraints: The propcnsreg package”, presented at the 13th UK Stata Users Group Meeting on September 10, 2007 in London.
- “Linking process to outcome: The seqlogit package”, presented at the 2nd Nordic and Baltic Stata Users Group meeting on September 7, 2007 in Stockholm.

- "Linking process to outcome: Inequality of educational opportunities and inequality of educational outcomes", presented at the ECSR and TransEurope conference on globalization, social inequality and the life course on September 1, 2007 in Groningen.
- "The influence of mother's and father's education on educational attainment", presented at the Summer Meeting of the RC28 on August 15, 2007 in Montreal.
- "Not all transitions are equal", presented at the Spring Meeting of the RC28 on May 26, 2007 in Brno.
- "Assessing the reasonableness of an imputation model", presented at the 5th German Stata Users Group Meeting on April 2, 2007 in Essen.
- "Not all transitions are equal", presented at the Spring Meeting of the Methodology Section of the American Sociology Association on March 3, 2007 at Yale University.
- 2006 "Proportions as dependent variable", presented at the 12th UK Stata Users Group Meeting on September 12, 2006 in London.
- "Analyzing Inequality of Educational Opportunities using Stacked Surveys with Missing Data", presented at the ECSR conference European Comparative Studies: Quality and Inequality in Education on September 2, 2006 in Prague.
- "Nonstandard educational trajectories in the Netherlands", presented at the dag van de Sociologie on June 8, 2006 in Tilburg.
- "Deceleration of the Trend in Inequality of Educational Opportunity in the Netherlands", presented at the Spring Meeting of the RC28 on May 13, 2006 in Nijmegen.
- 2005 "Trends in Inequality of Educational Opportunity in the Netherlands 1900-1980: The Effect of Missing Data", presented at the Spring Meeting of the RC28 on May 6-8, 2005 in Oslo.

Software

- 2011 Buis, Maarten L. (2011) "margdistfit: Post-estimation command that compares the observed and theoretical marginal distributions".
<http://econpapers.repec.org/software/bocbocode/s457364.htm>.
- 2010 Buis, Maarten L. (2010) "scenreg: Stata module for estimating effects in models for binary variables given a scenario concerning unobserved variables".
<http://econpapers.repec.org/software/bocbocode/s457199.htm>.
- Buis, Maarten L. (2010) "zoib : Stata module to fit a zero-one inflated beta distribution by maximum likelihood".
<http://econpapers.repec.org/software/bocbocode/S457156.htm>.
- 2009 Buis, Maarten L. (2009) "fmlogit: Stata module fitting a fractional multinomial logit model by quasi maximum likelihood".

- <http://econpapers.repec.org/software/bocbocode/s456976.htm>.
- Buis, Maarten L. (2009) "proprcspline: Stata module for restricted cubic spline smoothing of proportions".
<http://econpapers.repec.org/software/bocbocode/s457062.htm>.
- Buis, Maarten L. (2009) "sheafcoef: Stata module to compute sheaf coefficients".
<http://econpapers.repec.org/software/bocbocode/s456945.htm>.
- 2008 Buis, Maarten L. (2008) "ftest: Stata module comparing two nested models using an F-test".
<http://econpapers.repec.org/software/bocbocode/S456944.htm>.
- Buis, Maarten L. (2008) "postrcspline: Stata module containing post-estimation commands for models using a restricted cubic spline".
<http://econpapers.repec.org/software/bocbocode/S456928.htm>.
- Buis, Maarten L. (2008) "ldecomp: Stata module decomposing the total effects in a logistic regression into direct and indirect effects".
<http://econpapers.repec.org/software/bocbocode/s456906.htm>.
- Buis, Maarten L. and Stephen P. Jenkins (2008) "fiskfit: Stata module to fit a Fisk distribution by ML to unit record data".
<http://econpapers.repec.org/software/bocbocode/s456900.htm>.
- 2007 Buis, Maarten L. (2007) "hangroot: Stata module creating a hanging rootogram comparing an empirical distribution to the best fitting theoretical distribution".
<http://econpapers.repec.org/software/bocbocode/s456886.htm>.
- Buis, Maarten L. (2007) "propcnsreg: Stata module fitting by maximum likelihood a linear regression with a proportionality constraint".
<http://econpapers.repec.org/software/bocbocode/s456858.htm>.
- Buis, Maarten L. (2007) "seqlogit: Stata module to fit a sequential logit model".
<http://econpapers.repec.org/software/bocbocode/s456843.htm>.
- Buis, Maarten L. (2007) "indeplist: Stata module displaying and returning the names of the independent variables of the active estimation command".
<http://econpapers.repec.org/software/bocbocode/s456839.htm>.
- 2006 Buis, Maarten L., Nicholas J. Cox, and Stephen P. Jenkins (2006a) "dirifit: Stata module fitting a dirichlet distribution, optionally dependent on covariates".
<http://econpapers.repec.org/software/bocbocode/s456725.htm>.
- Buis, Maarten L. (2006) "pcorrmatrix: Stata module displaying a matrix of partial correlations that are controlled for a fixed set of covariates".
<http://econpapers.repec.org/software/bocbocode/s456839.htm>.
- 2005 Buis, Maarten L., Nicholas J. Cox, and Stephen P. Jenkins (2005) "betafit: Stata module fitting a two parameter beta distribution, optionally dependent on covariates".
<http://econpapers.repec.org/software/bocbocode/s435303.htm>.

Professional Activities

Editor

- 2010 – 2011 Guest-editor of *Research in Social Stratification and Mobility*, volume 29, issue 3, a special issue on unobserved heterogeneity in Mare models.
- 2008 – now Associate editor of the *Stata Journal*

Reviewer for:

European Sociological Review, *Acta Sociologica*, *Research in Social Stratification and Mobility*, *Journal of Research on Adolescence*, *International Migration Review*, *Stata Journal*, *Economic Modelling*, 2011 Spring Conference of the RC28.

Organizer:

Workshop on unobserved heterogeneity in Mare models, held at the Spring Meeting of the RC28 on May 11, 2010 in Haifa

Member of:

American Sociological Association, American Statistical Association, Population Association of America, Interuniversitair werkgroep Sociale Ongelijkheid en Levensloop (ISOL) [Interuniversity study group of Social Stratification and Inequality], Research Committee 28 on Social Stratification and Mobility of the International Sociological Association, Vereniging voor Statistiek en Operationele Research [Netherlands Society for Statistics and Operations Research]

Teaching experience

Post-graduate:

- 2009 “Primary and Secondary Effects in Educational Careers” [with Michelle Jackson] (ca. 25 students, at the Summer Academy on Methods of Educational Research)

Research master:

- 2005 and 2006 “Research Skills” 2 guest lectures on regression models for categorical dependent variables (ca. 5 students)
- 2006 “Tutorial Survival Analysis” (1 student, 6 ECTS)

Supervision Master’s thesis

- 2006 Annemarie Joosen “Survival of the fittest: Onderzoek naar de overlevingskansen van autodemonstratiebedrijven in Gelderland in de periode 1980-2004.” [with Frank den Hond]

Bachelor

- 2006 "Social Research Methodology" (70 students, 10 ECTS) [with Peter Roelofsma]
- 2003 – 2007 "SPSS computer labs" (200+ students) [with various other teachers]
- 2004 2005 "Descriptive Statistics" (20 students, 3 ECTS)
- 2004 2005 "Inferential Statistics" (20 students, 3 ECTS)
- 2003 2004 "onderzoeks practicum" (5 students)

Pre-Bachelor

- 2005 "zomer cursus wiskunde" (10 students) [with Adriaan Hoogendoorn]
- 2003 "Elementaire Beschrijvende Statistiek" (10 students)

Awards

- Januari 2011 FSW Dissertatieprijs 2010 for the best dissertation defended at the Faculty of Social Sciences of the VU University Amsterdam in 2010
- summer 2007 Sørensen Award from the Research Committee 28 on Social Stratification and Mobility to attend its conference in Montreal