

# CURRICULUM VITAE

ANDERS SKRONDAL

AUGUST 2016

## CONTACT INFORMATION

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## CITIZENSHIP

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Norwegian.

## CURRENT POSITIONS

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Senior Scientist, Norwegian Institute of Public Health, Oslo, Norway.

Adjunct Professor, GSE, University of California – Berkeley, U.S.A.

Adjunct Professor, CEMO, University of Oslo, Oslo, Norway.

## PREVIOUS POSITIONS

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2010: Adjunct Professor of Biostatistics, Department of Mathematics, University of Oslo, Oslo, Norway.

2007-2008: Director, The Methodology Institute, London School of Economics, London, UK.

2006-2008: Professor of Social Research Methods, London School of Economics, London, UK.

2005-2008: Professor of Statistics, London School of Economics, London, UK.

1999-2001: Norwegian Research Council Personal Postdoctoral Fellow, Department of Biostatistics, Institute of Psychiatry, King's College London, UK & Biostatistics Group, University of Manchester, UK.

1996-2005: Senior Researcher, Division of Epidemiology, Norwegian Institute of Public Health, Oslo, Norway.

1994-1996: Researcher, Department of Biostatistics, University of Oslo, Norway.

1989-1994: Research Fellow, Department of Economics, University of Oslo, Norway.

## EDUCATION

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Dr.Philos in Statistics, University of Oslo, Norway, 1996.

Mag.Art in Political Science, University of Oslo, Norway, 1990.

Cand.Mag in Social Science (Statistics, Economics and Political Science), University of Oslo, Norway, 1986.

## RESEARCH INTERESTS

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- General research interests: Topics in statistics, biostatistics, social statistics, epidemiology, econometrics and psychometrics.
- Special research interests:
  - Statistical modelling, in particular for
    - \* Multilevel data
    - \* Longitudinal and panel data
    - \* Missing data
    - \* Latent variables and measurement
  - Developing the GLLAMM (Generalized Linear Latent And Mixed Model) framework. GLLAMM unifies models addressing the above challenges and allows specification of novel multilevel latent variable models for many types of response processes including continuous, ordinal, discrete choice, rankings, counts and durations.
  - Contributing to the development of the Stata program `gllamm`. `gllamm` estimates GLLAMMs by maximum likelihood using adaptive quadrature. The software has been used in numerous books and in articles in more than 700 different journals indexed in the ISI Web of Science. Users are from most scientific disciplines, including medicine, biology, sociology, political science, economics, business, demography, geography, veterinary science, psychology, law, education, and statistics (see <http://www.gllamm.org/pub.html> for some publications). The `gllamm` manual has been downloaded more than 40,000 times.

## AWARDS AND HONOURS

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Psychometric Society Dissertation Prize, 1997

(judged best PhD dissertation in worldwide competition).

Elected Member, Research Section Committee of the Royal Statistical Society, 2007-2010

(selecting papers to be read in the society).

Elected Member, Editorial Council of *Psychometrika*, 2008-2013.

Elected Member, Board of Trustees of the Psychometric Society, 2014-2017.

Elected Member, International Statistical Institute, 2007-.

Honorary Professor, London School of Hygiene and Tropical Medicine, 2009-2015.

Outstanding Academic Title, awarded to *The Cambridge Dictionary of Statistics by Choice*, 2011.

Best Paper of the Year Award, conferred to *New England Journal of Medicine* paper by the Norwegian Epidemiological Association, 2013.

Fulbright Flagship Professor, University of California, Berkeley, 2013-2014.

Gustafsson-Skrondal Visiting Scholarship established by University of Oslo, 2016-.

President of the Psychometric Society, 2016-2017.

## EDITORIAL WORK AND OTHER PROFESSIONAL SERVICE

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Series editor, Chapman & Hall book series *Statistics in the Social and Behavioral Sciences*, 2006-2012.

Co-editor, *Statistical Methods in Medical Research*, 2006-2010.

Section editor (multilevel and longitudinal modeling), *Encyclopedia of Statistics in Behavioral Science*, Wiley, 2005.

Associate editor, *Journal of the Royal Statistical Society, Series A*, 2005-2008.

Member of international expert panel evaluating the Department of Finance, Copenhagen Business School (CBS), 2007.

Member of the International Scientific Advisory Board, Swedish Research Council initiative for Research on Microdata in the Social and Medical Sciences (SIMSAM), 2012-2014.

Chair, Psychometric Society Election Procedures Committee, 2014-.

Chair, Psychometric Society Conference Site Solicitation Committee, 2015.

Member, Psychometric Society Executive Committee, 2015-2018.

Reviewed research proposals and/or research programs for U.S. National Science Foundation, UK Medical Research Council, UK Economic and Social Research Council and various funding bodies from other nations.

Served on scientific committees for international conferences in Europe, U.S., and Asia

Served on search committees for editors of international scientific journals.

Reviewed book proposals for numerous international publishers.

## KEYNOTE LECTURES

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“The role of fixed-effects approaches in latent variable modeling”, *Italian Statistical Society Conference*, Brescia, Italy, 2013.

“Generalized linear latent and mixed models for multilevel IRT”, *2nd Brazilian Congress on Item Response Theory*, Salvador, Brazil, 2011.

“Protective estimation of latent variable models when data are not missing at random”, *2nd Brazilian Congress on Item Response Theory*, Salvador, Brazil, 2011.

“Constructing latent variable models using composite links”, *25th Item Response Theory Workshop*, Twente, The Netherlands, 2009.

“Generalized multilevel structural equation modelling”, *23rd Item Response Theory Workshop*, Twente, The Netherlands, 2007.

“Panel data econometrics using structural equation modeling”, *23rd Item Response Theory Workshop*, Twente, The Netherlands, 2007.

“Factor scores as proxies for latent variables in structural equation modeling”, *23rd Item Response Theory Workshop*, Twente, The Netherlands, 2007.

“Generalized multilevel structural equation modelling”, *International Amsterdam Multilevel Conference*, Amsterdam, The Netherlands, 2006.

“Some recent developments in latent variable modelling”, *21st Nordic Conference on Mathematical Statistics*, Rebild, Denmark, 2006.

“Multilevel and latent variable modeling of nominal responses”, *Biennial Conference Fachgruppe Methoden und Evaluation, German Psychological Society*, Münster, Germany, 2005.

“Generalized linear latent and mixed models with composite links and exploded likelihoods”, *19th International Workshop on Statistical Modelling*, Florence, Italy, 2004.

“Multilevel logistic regression for polytomous data and rankings”, *Abel Jubilee – Honorary doctorate awarded to Bradley Efron*, Oslo, Norway, 2002.

“Estimation and prediction in generalized linear latent and mixed models: A practical perspective”, *Danish Society of Theoretical Statistics*, Aarhus, Denmark, 2002.

## RECENT INVITED TALKS AT CONFERENCES

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“Use and misuse of latent variable scores”, *National Council on Measurement in Education*, Washington D.C., U.S.A., 2016.

“Simple tests of missing at random (MAR)”, *International Meeting of the Psychometric Society*, Beijing, China, 2015.

“Protective estimation of panel models when data are not missing at random”, *Methods for Longitudinal Data Analysis in the Social Sciences*, London, UK, 2014.

“How to write a successful statistics book” (Roundtable), *Joint Statistical Meetings*, Montreal, Canada, 2013.

## TEACHING: UNIVERSITY COURSES

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“Multilevel Modelling” (Course developed for Department of Statistics, LSE)

“Multivariate Analysis” (Course developed for Department of Statistics, LSE)

“Multivariate Analysis” (Course developed for Methodology Institute, LSE)

“The Generalized Linear Model” (Methodology Institute, LSE)

## TEACHING: RESEARCH COURSES AND WORKSHOPS

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“Multilevel and Longitudinal Modelling”

– *CEMO*, University of Oslo, Norway, 2016

– *ESRC National Center for Research Methods*, London, UK, 2009, 2010, 2011

“Multilevel and Longitudinal Modelling using Stata”

– *ESRC National Center for Research Methods*, London, UK, 2009, 2010, 2011

“Applied Longitudinal Data Analysis” (*University of Oslo Graduate School of Biostatistics*, Oslo, Norway, 2010),

“Multilevel Modelling for Longitudinal Data” (*XXV International Methodology Symposium, Statistics Canada*, Ottawa, Canada, 2009),

“Generalized linear latent and mixed models”

- *XXIVth International Biometric Conference*, Dublin, Ireland, 2008
- *Berkeley Research Experience and Methodology Program*, Berkeley, USA, 2007
- *Annual Meeting of the Norwegian Statistical Association*, Tromsø, Norway, 2007
- *Joint Statistical Meetings*, Seattle, WA, USA, 2006
- *2005 International Chinese Statistical Association Applied Statistics Symposium*, Washington DC, USA, 2005
- *3rd North American Stata Users' Group Meeting*, Boston, MA, USA, 2004
- *Joint Statistical Meetings*, Toronto, Canada, 2004 [Most popular course at JSM]
- *19th International Workshop on Statistical Modelling*, Florence, Italy, 2004

“Structural equation modeling” (*Berkeley Research Experience and Methodology Program*, Berkeley, USA, 2007),

“Multilevel Modeling using Stata” (*2006 Summer Update Program in Public Health and Epidemiology*, Instituto Nacional de Salud Pública, Cuernavaca, Mexico, 2005, 2006),

“Longitudinal Modelling for Survey Data” (*Methodology of Longitudinal Surveys: An International Conference*, Colchester, UK, 2006),

“Tutorial on GLLAMM” (*Biennial Conference of the ‘Fachgruppe Methoden und Evaluation’ of the German Psychological Society*, Münster, Germany, 2005),

“Generalized latent variable modeling of complex survey data” (*Workshop on Latent Variable Models and Complex Survey Data*, Montreal, Canada, 2005),

“Advances in latent variable modeling” (*Theme year on Latent Variable Models in the Social Sciences. Statistical and Applied Mathematical Sciences Institute*, Research Triangle Park, NC, USA, 2005),

“Multilevel and latent variable modeling of discrete data” (*69th Annual Meeting of the Psychometric Society*, Pacific Grove (Monterey), CA, USA, 2004 [Most popular course at AMPS]),

“Analysis of longitudinal data” (*Annual Meeting of the Norwegian Epidemiological Association*, Oslo, Norway, 2003),

“Multilevel and latent variable modeling using gllamm” (*International Biometric Society - Nordic Region Conference*, Uppsala, Sweden, 2003).

## REVIEWING STATISTICAL PAPERS: SELECTED JOURNALS

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“American Journal of Epidemiology”, “American Journal of Human Genetics”, “American Sociological Review”, “Annals of Applied Statistics”, “Behavior Genetics”, “Biometrika”, “British Journal of Mathematical and Statistical Psychology”, “Computational Statistics and Data Analysis”, “Epidemiology”, “European Journal of Epidemiology”, “International Journal of Epidemiology”, “International Statistical Review”, “Journal of Agricultural, Biological, and Environmental Statistics”, “Journal of the American Statistical Association”, “Journal of Biopharmaceutical Statistics”, “Journal of Econometrics”, “Journal of Educational and Behavioral Statistics”, “Journal of Multivariate Analysis”, “Journal of Official Statistics”, “Journal of the Royal Statistical Society (Series A)”, “Journal of the Royal Statistical Society (Series B)”, “Journal of the Royal Statistical Society (Series C)”, “Journal of Statistical Computation and Simulation”, “Journal of Statistical Planning and Inference”, “Lifetime Data Analysis”, “Multivariate Behavioral Research”, “Psychological

Methods”, “Psychometrika”, “Scandinavian Journal of Statistics”, “Sociological Methodology”, “Sociological Methods & Research”, “Statistical Methods in Medical Research”, “Statistical Modelling”, “Statistics and Computing”, “Statistics in Medicine”, “Survey Research Methods”

#### REVIEWING BOOK PROPOSALS: SELECTED PUBLISHERS

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“Cambridge University Press”, “Chapman & Hall/CRC”, “Oxford University Press”, “Springer”, “Wiley”

## – PUBLICATIONS –

## PUBLICATION AND CITATION OVERVIEW

133 publications, including 12 books (8 authored books across editions and translations, and 4 edited volumes), one of which has sold about 20,000 copies across editions.

More than 2,700 citations of my publications in *ISI Web of Science* and more than 13,500 citations in *Google Scholar*

*h*-index of 33 in *ISI Web of Science*, 33 in *Scopus*, and 47 in *Google Scholar* (my 47th most-cited publication has been cited at least 47 times)

## BOOKS

*Multilevel and Longitudinal Modeling Using Stata – Volume II: Categorical responses, counts, and survival* (3rd Edition). College Station, TX: Stata Press, 2012. ISBN-10:1-59718-104-8, ISBN-13:978-1-59718-104-4. [pp. xxiv+473]. (S.Rabe-Hesketh and A.Skrondal).

*Multilevel and Longitudinal Modeling Using Stata – Volume I: Continuous Responses* (3rd Edition). College Station, TX: Stata Press, 2012. ISBN-10:1-59718-103-X, ISBN-13:978-1-59718-103-7. [pp. xxviii+497]. (S.Rabe-Hesketh and A.Skrondal).

*Generalized Latent Variable Modeling: Multilevel, Longitudinal and Structural Equation Models [Chinese translation]*. Chongqing: Chongqing University Press, 2011. ISBN:9787562453932. [pp. 368]. (A.Skrondal and S.Rabe-Hesketh).

*The Cambridge Dictionary of Statistics* (4th Edition). Cambridge, UK: Cambridge University Press, 2010. ISBN-10:0521766990, ISBN-13:9780521766999. Kindle edition ASIN: B004EYSXA2. [pp. x+468]. (B.S.Everitt and A.Skrondal). [“Outstanding Academic Title” award from *Choice*.]

*Multilevel Modelling (Vol. IV) – Complex Models and Issues*. London: Sage, 2010. ISBN:978-1-84787-273-9. [pp. xii+397]. (A.Skrondal and S.Rabe-Hesketh, Eds.).

*Multilevel Modelling (Vol. III) – Multilevel Generalized Linear Models*. London: Sage, 2010. ISBN:978-1-84787-273-9. [pp. x+357]. (A.Skrondal and S.Rabe-Hesketh, Eds.).

*Multilevel Modelling (Vol. II) – Linear Multilevel Models: Inference, Diagnostics and Design*. London: Sage, 2010. ISBN:978-1-84787-273-9. [pp. xii+399]. (A.Skrondal and S.Rabe-Hesketh, Eds.).

*Multilevel Modelling (Vol. I) – Linear Multilevel Models: Model Formulation*. London: Sage, 2010. ISBN:978-1-84787-273-9. [pp. xxx+415]. (A.Skrondal and S.Rabe-Hesketh, Eds.).

*Multilevel and Longitudinal Modeling Using Stata* (2nd Edition). College Station, TX: Stata Press, 2008. ISBN:1-59718-040-8. Kindle edition ASIN:B003TXSRBY. [pp. xxxiii+562]. (S.Rabe-Hesketh and A.Skrondal).

*Multilevel and Longitudinal Modeling Using Stata* (1st Edition). College Station, TX: Stata Press, 2005. ISBN:1-59718-008-4. [pp. xxiii+317]. (S.Rabe-Hesketh & A.Skrondal).

*Generalized Latent Variable Modeling: Multilevel, Longitudinal and Structural Equation Models*. Boca Raton, FL: Chapman & Hall/ CRC Press, 2004. ISBN:1-58488-000-7. Kindle edition ASIN:B000Q7ZN00. [pp. viii+508]. (A.Skrondal and S.Rabe-Hesketh).

*Latent Trait, Multilevel and Repeated Measurement Modelling with Incomplete Data of Mixed Measurement Levels*. Oslo: UiO, 1996. ISBN:8299405807. [pp. xii+294]. (A.Skrondal)

PUBLICATION LIST

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## 2016

- [133] “Generalized linear latent and mixed modeling”. In W.J. van der Linden and R.K. Hambleton (eds.): *Handbook of Item Response Theory: Models, Statistical Tools, and Applications (Vol. I)*. Boca Raton: CRC Press, in press. (S.Rabe-Hesketh & A.Skrondal)
- [132] “gllamm”. In W.J. van der Linden and R.K. Hambleton (eds.): *Handbook of Item Response Theory: Models, Statistical Tools, and Applications (Vol. III)*. Boca Raton: CRC Press, in press. (S.Rabe-Hesketh & A.Skrondal)

## 2015

- [131] “The transition model test for serial dependence in mixed-effects models for binary data”. *Statistical Methods in Medical Research*, in press (DOI: 10.1177/0962280215588123). (N.Breinegaard, S.Rabe-Hesketh & A.Skrondal).
- [130] “A competing risk approach to ‘biologic’ interaction”. *Lifetime Data Analysis*, 21, 300-314, 2015. (P. Kragh Andersen & A.Skrondal).

## 2014

- [129] “Protective estimation of mixed-effects logistic regression when data are not missing at random”. *Biometrika*, 101, 175-188, 2014. (A.Skrondal & S.Rabe-Hesketh).
- [128] “Handling correlations between covariates and random slopes in multilevel models”. *Journal of Educational and Behavioral Statistics*, 39, 524-549, 2014. (M.Bates, K.Castellano, S.Rabe-Hesketh & A.Skrondal).
- [127] “Composition, context, and endogeneity in school and teacher comparisons”. *Journal of Educational and Behavioral Statistics*, 39, 333-367, 2014. (K.Castellano, S.Rabe-Hesketh & A.Skrondal).
- [126] “Much ado about interactions”. *Epidemiology*, 25, 723-726, 2014. (A.Skrondal).
- [125] “Handling initial conditions and endogenous covariates in dynamic/transition models for binary data with unobserved heterogeneity”. *Journal of the Royal Statistical Society, Series C*, 63, 211-237, 2014. (A.Skrondal & S.Rabe-Hesketh).

## 2013

- [124] “Risk of fetal death after pandemic influenza virus infection or vaccination”. *New England Journal of Medicine*, 368, 333-340, 2013. (S.E.Håberg, L.Trogstad, N.Gunnes, A.Wilcox, H.K.Gjessing, S.O.Samuelsen, A.Skrondal, I.Cappelen, A.Engeland, P.Aavitsland, S.Madsen, I.Buajordet, K.Furu, P.Nafstad, S.E.Vollset, B.Feiring, H.Nøkleby, P.Magnus & C.Stoltenberg). [Conferred “Best paper of the year award” by the Norwegian Epidemiological Association.]
- [123] “Avoiding biased versions of Wooldridge’s simple solution to the initial conditions problem”. *Economics Letters*, 120, 346-349, 2013. (S.Rabe-Hesketh & A.Skrondal).

## 2012

- [122] “Improved regression calibration”. *Psychometrika*, 77, 649-669, 2012. (A.Skrondal & J.Kuha).
- [121] “Multilevel structural equation modeling”. Pages 512–531 in R. H. Hoyle (ed.): *Handbook of Structural Equation Modeling*. New York: Guilford, 2012. (S.Rabe-Hesketh, A.Skrondal & X.Zheng)



- [120] *Multilevel and Longitudinal Modeling Using Stata – Volume II: Categorical responses, counts, and survival* (3rd Edition). College Station, TX: Stata Press, 2012. ISBN-10:1-59718-104-8, ISBN-13:978-1-59718-104-4. [pp. xxiv+473]. (S.Rabe-Hesketh and A.Skrondal).
- [119] *Multilevel and Longitudinal Modeling Using Stata – Volume I: Continuous Responses* (3rd Edition). College Station, TX: Stata Press, 2012. ISBN-10:1-59718-103-X, ISBN-13:978-1-59718-103-7. [pp. xxviii+497]. (S.Rabe-Hesketh and A.Skrondal).
- [118] *Answers to Exercises in Multilevel and Longitudinal Modeling Using Stata – Volume II: Categorical responses, counts, and survival (3rd Edition)*. College Station, TX: Stata Press, 2012. [243p]. (S.Rabe-Hesketh & A.Skrondal).
- [117] *Answers to Exercises in Multilevel and Longitudinal Modeling Using Stata – Volume I: Continuous responses (3rd Edition)*. College Station, TX: Stata Press, 2012. [341p]. (S.Rabe-Hesketh & A.Skrondal).
- [116] “Generalized linear latent and mixed models”. Pages 289–329 in M. Veierød, S. Lydersen, and P. Laake (ed.): *Medical Statistics in Clinical and Epidemiological Research*. Oslo: Gyldendal Akademisk, 2012. (A.Skrondal & S.Rabe-Hesketh)

## 2011

- [115] *Generalized Latent Variable Modeling: Multilevel, Longitudinal and Structural Equation Models [Chinese translation]*. Chongqing: Chongqing University Press, 2011. ISBN:9787562453932. [pp. 368]. (A.Skrondal and S.Rabe-Hesketh).
- [114] “The NEO Personality Inventory Revised (NEO-PI-R). Exploring its underlying measurement model and variants of the five-factor model”. *Personality and Individual Differences*, 50, 1300-1304, 2011. (O.Vassend & A.Skrondal).
- [113] “Musculoskeletal pain and overuse syndromes in adult acquired major upper-limb amputees”. *Archives of Physical Medicine and Rehabilitation*, 92, 1967-1973, 2011. (K.Østlie, R.J.Franklin, O.H.Skjeldal, A.Skrondal & P.Magnus).
- [112] “Assessing physical function in adult acquired major upper-limb amputees by combining the Disabilities of the Arm, Shoulder and Hand (DASH) outcome questionnaire and clinical examination”. *Archives of Physical Medicine and Rehabilitation*, 92, 1636-1645, 2011. (K.Østlie, R.J.Franklin, O.H.Skjeldal, A.Skrondal & P.Magnus).

## 2010

- [111] *The Cambridge Dictionary of Statistics* (4th Edition). Cambridge, UK: Cambridge University Press, 2010. ISBN-10:0521766990, ISBN-13:9780521766999. Kindle edition ASIN: B004EYSXA2. [pp. x+468]. (B.S.Everitt and A.Skrondal). [“Outstanding Academic Title” award from *Choice*.]
- [110] “Biological interaction from a statistical point of view”, *Research Report* 10/1, Department of Biostatistics, University of Copenhagen, 2010. [13p] (P.K.Andersen & A.Skrondal).
- [109] *Multilevel Modelling (Vol. IV) – Complex Models and Issues*. London: Sage, 2010. ISBN:978-1-84787-273-9. [pp. xii+397]. (A.Skrondal and S.Rabe-Hesketh, Eds.).
- [108] *Multilevel Modelling (Vol. III) – Multilevel Generalized Linear Models*. London: Sage, 2010. ISBN:978-1-84787-273-9. [pp. x+357]. (A.Skrondal and S.Rabe-Hesketh, Eds.).
- [107] *Multilevel Modelling (Vol. II) – Linear Multilevel Models: Inference, Diagnostics and Design*. London: Sage, 2010. ISBN:978-1-84787-273-9. [pp. xii+399]. (A.Skrondal and S.Rabe-Hesketh, Eds.).
- [106] *Multilevel Modelling (Vol. I) – Linear Multilevel Models: Model Formulation*. London: Sage, 2010. ISBN:978-1-84787-273-9. [pp. xxx+415]. (A.Skrondal and S.Rabe-Hesketh, Eds.).

- [105] “Probit model”. In B.Everitt and C.Palmer (ed.): *Encyclopedic Companion to Medical Statistics (Second Edition)*. New York: Wiley, 2010. (S.Rabe-Hesketh & A.Skrondal).
- [104] “Clustered binary data”. In B.Everitt and C.Palmer (ed.): *Encyclopedic Companion to Medical Statistics (Second Edition)*. New York: Wiley, 2010. (A.Skrondal & S.Rabe-Hesketh).
- [103] “Random effects models for discrete longitudinal data”. In B.Everitt and C.Palmer (ed.): *Encyclopedic Companion to Medical Statistics (Second Edition)*. New York: Wiley, 2010. (A.Skrondal & S.Rabe-Hesketh).
- [102] “Generalized estimating equations”. In B.Everitt and C.Palmer (ed.): *Encyclopedic Companion to Medical Statistics (Second Edition)*. New York: Wiley, 2010. (A.Skrondal & S.Rabe-Hesketh).
- [101] “Generalized linear mixed models”. In E.Baker, B.McGaw and P.Peterson (ed.): *International Encyclopedia of Education*. Oxford: Elsevier, 2010. (S.Rabe-Hesketh & A.Skrondal).
- [100] “Editors Introduction”. Pages ix-x in *Multilevel Modelling (Vol. I) – Linear Multilevel Models: Model Formulation*. London: Sage, 2010. ISBN:978-1-84787-273-9. (A.Skrondal and S.Rabe-Hesketh).
- [99] “Linear Multilevel Models - Model Formulation”. Pages xxiii-xxxiii in *Multilevel Modelling (Vol. I) – Linear Multilevel Models: Model Formulation*. London: Sage, 2010. ISBN:978-1-84787-273-9. (A.Skrondal and S.Rabe-Hesketh).
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- [97] “Multilevel Generalized Linear Models”. Pages vii-xii in *Multilevel Modelling (Vol. III) – Multilevel Generalized Linear Models*. London: Sage, 2010. ISBN:978-1-84787-273-9. (A.Skrondal and S.Rabe-Hesketh).
- [96] “Complex Models and Issues”. Pages vii-xiii in *Multilevel Modelling (Vol. IV) – Complex Models and Issues*. London: Sage, 2010. ISBN:978-1-84787-273-9. (A.Skrondal and S.Rabe-Hesketh).

## 2009

- [95] “Prediction in multilevel generalized linear models”. *Journal of the Royal Statistical Society, Series A*, 172, 659-687, 2009. (A.Skrondal & S.Rabe-Hesketh).
- [94] “Generalized linear mixed effects models”. Pages 79–106 in G. Fitzmaurice, M. Davidian, G. Verbeke & G. Molenberghs (eds.) *Longitudinal Data Analysis*. Boca Raton, FL: Chapman & Hall/CRC, 2009. (S.Rabe-Hesketh & A.Skrondal).

## 2008

- [93] “Biometrical modeling of twin and family data using standard mixed model software”. *Biometrics*, 64, 280-288, 2008. (S.Rabe-Hesketh, A.Skrondal & H.K.Gjessing).
- [92] “Multilevel and related models for longitudinal data”. Pages 275–299 in J. deLeuw and E. Meijer (eds.) *Handbook of Multilevel Analysis*. New York: Springer, 2008. (A.Skrondal & S.Rabe-Hesketh).
- [91] *Multilevel and Longitudinal Modeling Using Stata* (2nd Edition). College Station, TX: Stata Press, 2008. ISBN:1-59718-040-8. Kindle edition ASIN:B003TXSRBY. [pp. xxxiii+562]. (S.Rabe-Hesketh and A.Skrondal).
- [90] *Answers to Exercises in Multilevel and Longitudinal Modeling using Stata (Second Edition)*. College Station, TX: Stata Press, 2008. [317p]. (S.Rabe-Hesketh & A.Skrondal).
- [89] “Latent variable modelling” (editorial). *Statistical Methods in Medical Research*, 17: 2-3, 2008. (S.Rabe-Hesketh & A.Skrondal).

- [88] “Classical latent variable models for medical research”. *Statistical Methods in Medical Research*, 17, 5-32, 2008. (S.Rabe-Hesketh & A.Skrondal).
- [87] “Structural equation models”. Pages 432–455 in J. M. Box-Steffensmeier, H. Brady, and D. Collier (ed.): *Oxford Handbook on Political Methodology*. Oxford: Oxford University Press, 2008. (K. Bollen, S.Rabe-Hesketh & A.Skrondal)

## 2007

- [86] “Latent variable modelling: A survey”. *Scandinavian Journal of Statistics*, 34, 712-745, 2007. (A.Skrondal & S.Rabe-Hesketh).
- [85] “Multilevel and latent variable modelling with composite links and exploded likelihoods”. *Psychometrika*, 72, 123-140, 2007. (S.Rabe-Hesketh & A.Skrondal).
- [84] “Stratified case-cohort analysis of general cohort sampling designs”. *Scandinavian Journal of Statistics*, 34, 103-119, 2007. (S.O.Samuelsen, H.Ånestad & A.Skrondal).
- [83] “Redundant overdispersion parameters in multilevel models for categorical responses”. *Journal of Educational and Behavioral Statistics*, 32, 419-430, 2007. (A.Skrondal & S.Rabe-Hesketh).
- [82] “Discussion of Handcock, Raftery and Tantrum”. *Journal of the Royal Statistical Society, Series A*, 170: 341-342, 2007. (J. Kuha & A.Skrondal).
- [81] “Multilevel structural equation modeling”. Pages 209–227 in S.-Y.Lee (ed.) *Handbook of Latent Variable and Related Models*. Amsterdam: Elsevier, 2007. (S.Rabe-Hesketh, A.Skrondal & X.Zheng).

## 2006

- [80] “Multilevel modelling of complex survey data”. *Journal of the Royal Statistical Society, Series A*, 116, 805-827, 2006. (S.Rabe-Hesketh & A.Skrondal).
- [79] “Likelihood ratio tests in behavioral genetics: Problems and solutions”. *Behavior Genetics*, 36, 331-340, 2006. (A.Dominicus, A.Skrondal, H.K.Gjessing, N.Pedersen & J.Palmgren).
- [78] “A simulation study of three methods for detecting disease clusters”. *International Journal of Health Geographics*, 5, 2006. (G.Aamodt, S.O.Samuelsen & A.Skrondal).
- [77] “Multilevel structural equation modeling of ordinal responses”. *Proceedings of the American Statistical Association*, 1972-1979, 2006. (X. Zheng, S. Rabe-Hesketh & A.Skrondal).

## 2005

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