

CURRICULUM VITAE

Personal Information

Jens Henrik Badsberg
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Danish citizen.

Born: April 23, 1961 in Dronninglund, Denmark.

Marital status: Married, one child, a son, born 30th September 2011.

Education

1995: Ph.d. from Aalborg University, September 1995.

Title of thesis: *An Environment for Graphical Models.*

1986: M.Sc. from Aalborg University, September 1986.

Minor: Computer Science; Major: Mathematics and Statistics.

Title of project: *Kontingenstabeller - Implementation og kompleksitet af algoritmer for estimation og test i store kontingenstabeller (Contingency tables - Implementation and complexity of algorithms for estimation and tests in large contingency tables).*

1980: High school at Brønderslev Gymnasium, Juli 1980, Mathematical-physical line.

Experience

January 2011 *Statistician* at Research Centre for Prevention and Health,
- February 2015 **The Capital Region of Denmark** (4 years 2 months).

May 2006 *Statistician* at Quality Assurance,
- December 2010 **Statens Serum Institut** (4 years 8 months).

September 1996 *Senior scientist* at Faculty of Agricultural Sciences
- April 2006 (*head of research unit* of biometry from January 1998 to August 2003),
Aarhus University (9 years 8 months):

January 2003 - April 2006: Department of Genetics and Biotechnology
 (Danish Institute of Agricultural Sciences: Danmarks JordbrugsForskning).

January 1998 - December 2002: Department of Agricultural Systems (Danmarks JordbrugsForskning).

September 1996 - December 1997: Department of Biometry and Informatics (Statens Planteavlfsorsøg).

December 1989 *PhD student and assistant professor* at Department of Mathematical Sciences,
- August 1996 **Aalborg University** (6 years 9 months):

September 1992 - August 1996: Assistant professor.

December 1989 - August 1992: PhD student (Title of project:
 Computer environments for statistics - with focus on models of associations.)

October 1986 *Statistician* at Biostatistics (Statistisk Forskningsenhed),
- November 1989 **Copenhagen University** (3 years 2 months).

Postgraduate courses

- Analysis of interval-censored survival data*, Philip Hougaard. 33th Annual Conference of the International Society for Clinical Biostatistics (ISCB33). Bergen, 18. august 2012.
- Estimating treatment effects using longitudinal data*, Miguel Hernan. 33th Annual Conference of the International Society for Clinical Biostatistics (ISCB33). Bergen, 18. august 2012.
- Fraud and Misconduct*, Frank Wells. Ferring Pharmaceuticals, 20. september 2010.
- Multiple Testing: A clinical trial perspective*, Philip Hougaard. Ferring Pharmaceuticals, 28. oktober 2009.
- Design Of Phase I And II Studies*. Venue: H. Lundbeck A/S, 29th Annual Conference of the International Society for Clinical Biostatistics (ISCB29). Christianshavn, 22. august 2008.
- Noninferiority trials*, Simon Day & Nicole Close. 29th Annual Conference of the International Society for Clinical Biostatistics (ISCB29). Christianshavn, 17. august 2008.
- Foredragsrække om Vaccinologi*, Claus Koch. SSI, 9. maj - 22. august 2008.
- Introduktion til planlægning og gennemførelse af kliniske lægemiddelforsøg*, ved GCP-selskabet. Axelborg, København, 2. april 2008.
- Foundations in GCP course (Basic GCP): BioAssay Development and Validation for Vaccines*, Laureen E. Little (Fas Train). Lundbeck, 29. - 30. marts 2007.
- Teoretisk EIA (Enzym Immuno Assays)*, Leif A. Bruun. Immunologisk Udviklingsafdeling, SSI, 20. - 24. november 2006.
- Analytical Methods Validation for FDA compliance*, J. Mark Green and David E. Wiggins (CfPA). Dublin, 16. - 18. oktober 2006.
- General GMP 1*, Internt kursus på SSI. 7. november 2006.
- Seminar for scientists and researchers in pharmaceutical and biotech companies*, SAS Institute, København, 10. maj 2006.
- Forsøgsplanlægning*, Henrik Spliid. SSI, 5. - 29. maj 2006.
- Clinical Trail Simulation*, ved Ulrika Simonsson. Kursus afholdt af DSBS, Vedbæk, 27. - 28. marts 2006.
- Basic concept of statistical inference for causal effects in experiments and observational studies*, Donald Rubin. Foulum. 13. - 15. september 2004.
- Uddannelsestræf - Kursus omkring faglig inspiration og formidling*, Danmarks Idræts-Forbund, Idrættens Hus, 22. - 24. juni 2003.
- Communicating in Science*, ved David Lindsay. LandbrugCenter Midt, Asmildklostervej 11, Viborg. 8. - 9. og 12. - 13. maj 2003.
- Ledelse af forskergrupper og forskningsprogrammer*, ved Hans Mikkelsen og Christian Soelberg. Direktoratet for Fødevarerhverv. AgroForum, Tune, 3. - 5. marts, 2. - 3. april og 10. september 2003.
- Sikkerhedsgruppens arbejdsmiljøuddannelse (Arbejdstilsynet)*, ved Hans Thostrup. Århus, 17. - 18. september og 23. - 24. oktober 2002.
- DJF-lederudvikling*, ved bl.a. Colmoto. Halvårlige 2-3 dages internatkurser med mellemliggende netværksmøder. Danparc kursus- og conferencecenter Søhøjlandet ved Gjern samt Foulum, juni 2002 - maj 2003.
- Ledelse - udvikling gennem dialog*, Jogvan Petersen. Scanticon Comwell Helsingør og Dansk Magisterforening, Frederiksberg, 2. - 3. og 23. - 24. april, 28. - 29. maj og 13. - 14. juni 2001.

- Missing Data Methods*, Donald Rubin. Foulum, 24. - 26. april 2000.
- Projektlederkursus, Modul 2*, Strukturdirektoratet, Hans Mikkelsen. Afholdt i Foulum, 16. - 18. november 1998.
- Projektlederkursus, Modul 1*, Strukturdirektoratet, Hans Mikkelsen. Afholdt i Foulum, 14. - 16. september 1998.
- Medarbejder-udviklings-samtalen*, Danmarks Forvaltningshøjskole, 16. - 17. juni 1998.
- ONYX Head-start*, anvendelse af parallel datamat, afholdt af Silicon Graphics. Aalborg Universitet, 23. - 25. januar 1996.
- Pædagogisk kursus for Adjunkter*, Aalborg Universitet, september 1994 til december 1995.
- Kursus i Patent på Software opfindelser*, afholdt af NOVI i samarbejde med Patent direktoratet. NOVI, Niels Jernes Vej, 23. november 1994.
- Likelihood and Bayesian Inference in Quantitative Genetics and Animal Breeding*, ved D. Gianola. Internordic Post-graduate Course in Animal Breeding. Department of animal Science & Animal Health, The Royal Veterinary & Agricultural University, Copenhagen, and National Institute of Animal Science, Foulum, 20th August - 7th September 1990.
- Theory of Probability II*, ved C. Small, Department of Statistics and Actuarial Science, University of Waterloo, Canada, 1990.
- Topics in Abstract Statistical Computing*, ved W. Oldford, Department of Statistics and Actuarial Science, University of Waterloo, Canada, 1990.
- Statistical Inference II*, ved K. R. Shah, Department of Statistics and Actuarial Science, University of Waterloo, Canada, 1990.
- Blandede vekselvirkningsmodeller*, ved Svend Kreiner, Danmarks Pædagogiske Institut. H. C. Ørsted Institut, København, foråret 1989.
- Statistisk Billedanalyse*, ved Knut Conradsen, IMSOR, Danmarks Tekniske Højskole. H. C. Ørsted Institut, København, foråret 1988.
- Regnskabslære og Driftsøkonomi*, ved Ole Davidsen, Højere Handelseksamens niveau, Købmandsskolen, København, 1988.

Visits

Department of Statistics and Actuarial Science, University of Waterloo, Canada, Januar 1990 to May 1990.

Papers in international (e.i. non-danish) journals

- [1] O. Simonsen, J. H. Badsberg, K. Kjeldsen, B. Møller-Madsen, and I. Heron. The fall-off in serum concentration of tetanus antitoxin after primary and booster vaccination. *Acta path. microbiol. immunol. scand. Sect. C*, 94:77–82, 1986.
- [2] N. Jacobsen, J. H. Badsberg, B. Lönnquist, O. Ringdén, L. Volin, J. Rajantie, J. Nikoskelainen, and N. Keiding. Graft-versus-leukemia activity associated with CMV-seropositive donor, post-transplant CMV infection, young donor age and chronic graft-versus-host disease in bone marrow allograft recipients. *Bone Marrow Transplantation*, 5:413–418, 1990.
- [3] N. Jacobsen, J. H. Badsberg, B. Lönnquist, O. Ringdén, L. Volin, T. Ruutu, Rajantie J., M. A. Siimes, J. Nikoskelainen, A. Toivanen, H. K. Andersen, N. Keiding, and G. Gahrton. Predictive factors for chronic graft-versus-host disease and leukemia relapse after allogeneic bone marrow transplantation. In S. J. Baum, G. W. Santos, and F. Takaku, editors, *Recent advances and future directions in bone marrow transplantation*, pages 161–164. Springer Verlag, New York, 1988.
- [4] J. B. Sørensen, J. H. Badsberg, and J. Olsen. Prognostic factors in inoperable adenocarcinoma of the lung: A multivariate regression analysis of 259 patients. *Cancer Research*, 49:5748–5754, 1989.
- [5] J. B. Sørensen, J. H. Badsberg, and H. H. Hansen. Response to cytostatic treatment in inoperable adenocarcinoma of the lung: critical implications. *Br. J. Cancer*, 60:389–393, 1989.
- [6] J. B. Sørensen and J. H. Badsberg. Prognostic factors in resected stages i and ii adenocarcinoma of the lung: A multivariate regression analysis of 137 consecutive patients. *Thoracic and Cardiovascular surgery*, 99(2):218–226, 1993.
- [7] N. Gadsbøll, P. F. Høilund-Carlsen, J. H. Badsberg, P. Stage, J. Marving, H. Lønborg-Jensen, and B. Hjort Jensen. Late ventricular dilatation in survivors of acute myocardial infarction. *The American Journal of Cardiology*, 64(16):961–966, 1989.
- [8] N. Gadsbøll, P. F. Høilund-Carlsen, J. H. Badsberg, J. Marving, H. Lønborg-Jensen, and B. Hjort Jensen. Left ventricular volumes in the recovery phase after myocardial infarction: relation to infarct location, left ventricular function and one-year cardiac mortality. *European Heart Journal*, 11:791–799, 1990.
- [9] N. Gadsbøll, P. F. Høilund-Carlsen, J. H. Badsberg, H. Lønborg-Jensen, P. Stage, J. Marving, and B. Hjort Jensen. Left ventricular peak filling rate, heart failure and 1-year survival in patients with myocardial infarction. *European Heart Journal*, 12:194–202, 1991.
- [10] N. Gadsbøll, P. F. Høilund-Carlsen, and J. H. Badsberg. Cardiac function and maximal exercise capacity early after acute myocardial infarction. *European Heart Journal*, 12:1189–1194, 1991.
- [11] K. F. Michaelsen, L. Skafte, J. H. Badsberg, and M. Jørgensen. Variation in macronutrients in human bank milk: Influencing factors and implications for human milk banking. *Journal of Pediatric Gastroenterology and Nutrition*, 11:229–239, 1990.
- [12] K. F. Michaelsen, L. Skov, J. H. Badsberg, and M. Jørgensen. Short-term measurement of linear growth in preterm infants: Validation of a hand-held knemometer. *Pediatric research*, 5:464–468, 1991.

- [13] Martin Lombard, Bernard Portmann, James Neuberger, Roger Williams, Niels Tygstrup, Leo Ranek, Helmer Ring Larsen, Juan Rodes, Christian Trepo, Gerd Pape, Geert Schou, Jens Henrik Badsberg, and Per Kragh Andersen. Cyclosporin A treatment in Primary Biliary Cirrhosis, Results of a long-term placebo controlled trial. *Gastroenterology*, 104:519–526, 1993.
- [14] S. Keiding, J. H. Badsberg, U. Becker, K. D. Bentsen, O. Bonnevie, J. Caballeria, J. Erikens, F. Hardt, N. Keiding, M. Morgan, H. Poulsen, L. Ranek, J. Rodos, G. Schou, R. Walker, and N. Tygstrup. The prognosis of patients with alcoholic liver disease. An international randomized, placebo-controlled trial on the effect of malotilate on survival. *Journal of Hepatology*, 20:454–460, 1994.
- [15] J. H. Badsberg. Model search in contingency table by CoCo. In Y. Dodge and J. Whittaker, editors, *Computational Statistics*, volume 1, pages 251–6. Physical Verlag: Heidelberg, 1992. COMPSTAT 1992, Neûchatel.
- [16] P. J. Booth, M. E. Collins, L. Jenner, H. Prentice, J. Ross, J. H. Badsberg, and J. Brownlie. Noncytopathogenic bovine viral diarrhoea virus (bvdv) reduces cleavage but increases blastocyst yield of in vitro produced embryos. *Theriogenology*, 50(5):769–777, 1998.
- [17] P. J. Booth, M. E. Collins, J. Jenner, H. Prentice, J. Ross, J.H. Badsberg, and Brownlie. J. Association of non-cytopathogenic bovine viral diarrhoea virus (bvdv) with bovine blastocysts: duration of viral exposure and degree of blastocyst expansion. *Veterinary Record*, 144:150–152, 1999.
- [18] J.H. Badsberg. Efficient methods for estimation in log-linear models. In *Bulletin of the International Statistical Institute, the 52nd Session, Proceedings, The 52nd Session of the International Statistical Institute, Helsinki, Finland. Tome LVIII*, volume Book 2, pages 187–190, 1999.
- [19] J.H. Badsberg and F.M. Malvestuto. An implementation of the iterative proportional fitting procedure by propagation trees. *Computational Statistics and Data Analysis*, 37(3):297–322, 2001.
- [20] J.H. Badsberg. A guide to CoCo. *Journal of Statistical Software*, 6(4):1–178, 2001. <http://www.jstatsoft.org/v06/>.
- [21] A.L. Nielsen, A.B. Hald, and J.H. Badsberg. Sward structure measurements to monitor the effect of grazing in nature management situations. *Grass. Science in Europe*, 7:822–823, 2002.
- [22] Anne Lisbeth Nielsen, Troels Kristensen and Jens Henrik Badsberg. Animal production from dairy breed steers at extensively managed grasslands in riverside areas. *Grassland Science in Europe*, 7, 938-939, 2002.
- [23] Anna Bodil Hald, Anne Lisbeth Nielsen, Kasia Debosz and Jens Henrik Badsberg. Restoration of degraded low-lying grasslands: indicators of the environmental potential of botanical nature quality. *Ecological Engineering*, 21:1–20, 2003.
(L. Nielsen, A.B. Hald, K. Debosz, and J.H. Badsberg. Genopretning af ferske enge - indikatorer for potentiel botanisk naturkvalitet. I: O.H. Caspersen and B. Fritzbøger (eds.). Landskab, forandring og forvaltning - fem landskabsstudier fra Bjerringbro og Hvorslev. *Forest & Landscape Research* 31:100–131, 2003.)
- [24] Marianne Bonde, Tine Rousing, Jens Henrik Badsberg and Jan Tind Sørensen. Associations between lying-down behaviour problems and body condition, limb disorders and skin lesions of lactating sows housed in farrowing crates in commercial sow herds. *Livestock Production Science*, 87:179-187, 2004.

- [25] Tine Rousing, Marianne Bonde, Jens Henrik Badsberg and Jan Tind Sørensen. Stepping and Kicking behaviour during milking in relation to response in human-animal interaction test and clinical health in loose housed dairy cows. *Livestock Production Science*, 88:1-8, 2004.
- [26] P. F. Høilund-Carlsen, N. Gadsbøll, E. Hein, P. Stage, J. H. Badsberg, and B. Hjort Jensen. Assessment of Left Ventricular Systolic Function by the Chest X-Ray: Comparison with Radionuclide Ventriculography. *Journal of Cardiac Failure*, 11(4):299-305, 2005.
- [27] A.L. Nielsen, A.B. Hald, and J.H. Badsberg. Vegetation and plant production of unfertilized grassland with increasing soil moisture. Integrating Efficient Grassland Farming and Biodiversity. *Grassland Science in Europe*, 10:323-327, 2005.
- [28] John E. Hermansen, Jens Henrik Badsberg, Troels Kristensen, and Vagn Gundersen. Trace elements in organically or conventionally produced milk. *Journal of Dairy Research*. 72:362–368, 2005.
- [29] Tine Rousing, Jens Henrik Badsberg, Ilka Christine Klass, Jens Hindhede and Jan Tind Sørensen. The association between fetching for milking and dairy cows' behaviour at milking, and avoidance of human approach - An on-farm study in herds with automatic milking systems *Livestock Production Science*, 11:219–227, 2006.
- [30] Nicolas C. Friggens, Jens Henrik Badsberg. The Effect of breed and parity on curves of body condition during lactation estimated using a non-linear function. *Animal*, 1:565–574, 2007.
- [31] Nuria Canibe, Ole Højberg, Jens Henrik Badsberg, Bent Borg Jensen. Effect of feeding fermented liquid feed and fermented grain on gastrointestinal ecology and growth performance in piglets. *Journal of Animal Science*, 85:2959–2971, 2007.
- [32] Jens Henrik Badsberg, Claus Dethlefsen, Luca La Rocca. Package giRaph for graph representation in R. In: *COMPSTAT 2008, Physica-Verlag, Heidelberg, DE*.
- [33] Betangbeh Ateywa Rene, Christen Stensvold, Jens Henrik Badsberg, Henrik V. Nielsen. Sub-type Analysis of Blastocystis Isolates from Blastocystis Cyst Excreting Patients. *American Journal of Tropical Medicine and Hygiene*, 80(4):588–592, 2009.
- [34] Christen Rune Stensvold, Susanne Dam Nielsen, Jens Henrik Badsberg, Jørgen Engberg, Nina Friis-Møller, Sanne Søgaard Nielsen, Henrik Vedel Nielsen, Alice Friis-Møller. The prevalence and clinical significance of parasites in HIV-infected patients in Denmark. *Scandinavian Journal of Infectious Diseases*, 43(2):129-35, 2011. Epub 2010 Oct 11.
- [35] Sten Erik Jensen, Kristin E. Illigen, Jens Henrik Badsberg, Kåre Robert Hasløv. Specificity and detection limit of a dermal temperature histamine sensitization test for absence of residual pertussis toxin in vaccines. *Biologicals*, 40(1):36-40, 2012; Epub 2011 Oct 14.
- [36] Katrine Carlsen, Mariane Ewertz, Susanne Oksbjerg Dalton, Jens Henrik Badsberg, Merete Osler. Unemployment among breast cancer survivors. *Scandinavian Journal Public Health*, 42:319-328, 2014; Epub 2014 Jan 31.
- [37] Thomas Løkkegaard, John S. Andersen, Rikke K. Jacobsen, Jens H. Badsberg, Torben Jørgensen, Charlotta Pisinger. Psychological consequences of screening for cardiovascular risk factors in an un-selected general population: Results from the Inter99 randomised intervention study. *Scandinavian journal of public health*, February 2015 43: 102-110, first published on November 7, 2014.

Dissertation and thesis

- [1] J. H. Badsberg. Kontingenstabeller – implementation og kompleksitet af algoritmer for estimation og test i store kontingenstabeller. Masters thesis, Aalborg University, Fredrik Bajers Vej 7, 1986.
- [2] J. H. Badsberg. Phd thesis: An environment for graphical models
Part I: Efficient algorithms for estimation in contingency tables.
Part II: A guide to CoCo (2nd edition).
Part III: XLisp+CoCo — A Tool for Graphical Models.
Department of Mathematics and Computer Science, Aalborg University, Denmark, 1995.

Contributed Packages in R (www.r-project.org)¹

- [1] J.H. Badsberg. dynamicGraph.
<http://cran.at.r-project.org/web/packages/dynamicGraph>.
- [2] J.H. Badsberg. CoCo: Graphical modelling by log-linear models (an interface from R to CoCo)
Interface to CoCo from R: Graphical modelling on contingency tables by log-linear models.
<http://cran.at.r-project.org/web/packages/CoCo>.
- [3] J.H. Badsberg. CoCoCg: Graphical modelling by CG regressions
Interface to CoCoCg (CoCo with both discrete and continuous data) from R.
<http://cran.at.r-project.org/web/packages/CoCoCg>.
- [4] J.H. Badsberg. CoCoGraph: Interactive and dynamic graphs for the CoCo objects
Interface between dynamicGraph and CoCo (objects)
<http://cran.at.r-project.org/web/packages/CoCoGraph>.
- [5] J.H. Badsberg, Claus Dethlefsen, Luca La Rocca. giRaph.
<http://cran.at.r-project.org/web/packages/giRaph>.
- [6] J.H. Badsberg. Richards: selfStarts and functions for Richards curves.
<http://cran.at.r-project.org/web/packages/richards>.
- [7] J.H. Badsberg. backfitRichards: Backfitted independent values of Richards curves.
<http://cran.at.r-project.org/web/packages/backfitRichards>.
- [8] J.H. Badsberg. similarityRichards: Similarity of Richards curves.
<http://cran.at.r-project.org/web/packages/similarityRichards>.
- [9] J.H. Badsberg. simulateRichards / ELISA: Functions for simulating datasets with Richards curves, and for fitting and plotting of backfitted values and similarity of these.
Not (yet) submitted to Cran.

¹Currently the CoCo and Richards packages are only in the 'archive' of CRAN. Versions that parses checks of R 3.1.2 (for Windows) can be supplied.

Abstracts and posters, international conferences

- [1] N. Jacobsen, J. H. Badsberg, B. Lónnquist, O. Ringdén, J. Rajantie, M. A. Siimes, L. Volin, T. Rutu, J. Nikoskelainen, A. Toivanen, H. K. Andersen, N. Keiding, and G. Gahrton. Graft-versus-leukemia activity associated with cmv-seropositive bone marrow donors. preliminary results of a multivariate analysis. *Bone Marrow Transplantation*, 2:244, 1987. suppl. 1.
- [2] K. Fleischer Michaelsen, H.B. Mortensen, J.H. Badsberg, and M. Jørgensen. A knemometer for measuring short-term linear growth in premature and mature infants. In *V International Auxology Congress, Exeter, July 20-23th 1988*.
- [3] J.B. Sørensen, J.H. Badsberg, and H.H. Hansen. Response to cytostatic treatment in inoperable adenocarcinoma of the lung: Clinical implications. In *Dansk Selskab for Cancerforskning årsmøde, 15. april 1988*.
- [4] J.B. Sørensen, J.H. Badsberg, and J. Olsen. Prognostic factors in inoperable adenocarcinoma of the lung: A multivariate regression analysis in 259 patients. In *Dansk Selskab for Cancerforskning årsmøde, 15. april 1988*.
- [5] J.B. Sørensen, J.H. Badsberg, and J. Olsen. A multivariate regression analysis of prognostic factors in 259 consecutive patients with inoperable adenocarcinoma of the lung. In *Fifth World Conference on Lung Cancer August 28th - September 1th, 1988, Interlaken, Switzerland*.
- [6] J.B. Sørensen, J.H. Badsberg, and H.H. Hansen. Prognostic impact of response to cytostatic treatment in inoperable adenoarcinoma of the lung. In *13th Congress of ESMO, October 30th - November 1th, 1988*.
- [7] P. F. Høilund-Carlsen, N. Gadsbøll, J.H. Badsberg, E. Hein, P. Stage, J. Marving, B. Hjort Jensen, and H. Lønborg-Jensen. Cardiac staus after acute myocardial infarction: Assessment by chest x-ray versus radionuclide ventriculography. In *European Association of Nuclear Medicine Congress - 1989, August 28th - September 1th, 1989, Strasbourg, France*.
- [8] P. F. Høilund-Carlsen, N. Gadsbøll, J.H. Badsberg, J. Marving, B. Hjort Jensen, and H. Lønborg-Jensen. Left ventricular volumes and ejection fraction as indicators of prognosis and of changes in ventricular function after acute myocardial infarction. In *European Association of Nuclear Medicine Congress - 1989, August 28th - September 1th, 1989, Strasbourg, France*.
- [9] N. Gadsbøll, P.F. Høilund-Carlsen, J.H. Badsberg, H. Lønborg-Jensen, P. Stage, J. Marving, and B. Hjort Jensen. Left ventricular peak filling rate, heart failure, and one-year survival in patients with myocardial infarction. In *XIIth Congress of the European Society of Cardiology, September 16-20th, 1990, Stockholm, Sweden*.
- [10] N. Gadsbøll, P.F. Høilund-Carlsen, and J.H. Badsberg. Left ventricular function and maximal exercise capacity early after acute myocardial infarction. In *XIIth Congress of the European Society of Cardiology, September 16-20th, 1990, Stockholm, Sweden*.
- [11] J. H. Badsberg. Exact conditional tests between any two decomposable models in multidimensional contingency tables by Monte Carlo methods. In *7th European Young Statisticians Meeting, August 11-17th, 1991, Oberwolfach, Tyskland*.
- [12] J. H. Badsberg. Algorithms for estimation in log-linear models. In A. Prath and E. Ripoll, editors, *Proceedings in Computational Statistics, Short Communications and Posters*, pages 159–160, Generalitat de Catalunya, Institut d'Estadística de Catalunya, 1996.

- [13] J. H. Badsberg. Xlisp+CoCo. In *1997 AMS-IMS-SIAM Joint Summer Research Conference on Graphical Markov Models, Bayesian Belief Networks and Influence Diagrams, University of Washington, Seattle, USA, June 28th to Juli 3th, 1997*.
- [14] A.B. Hald, A.L. Nielsen, K. Deboz, and J.H. Badsberg. Genopretning af ferske enge - potentielle indikatorer. In *Græsning som drift og pleje af naturområder, Gl. Avernæs, Helnæs, Fyn*, 8. - 9. oktober 2001.
- [15] K. Brandt, H.N. Larsen, J.-O. Andersen, J.P. Mølgaard, C. Lauridsen, H. Jørgensen, V. Gundersen, E. Larsen, J.H. Badsberg, H.L. Pedersen, and K. Thorup-Kristensen. Organic food and health a new project to study the effects of plant cultivation methods on nutritional value and on health and reproduction in an animal experiment. In *Food and nutrition or better health, A European conference: Highlights from EC research programmes (HEALFO Conference), Santa Maria Imbaro and Lanciano - Italy*, 13-15 June 2001.
- [16] K. Brandt, H.N. Larsen, J.-O. Andersen, J.P. Mølgaard, C. Lauridsen, H. Jørgensen, V. Gundersen, E. Larsen, J.H. Badsberg, and K. Thorup-Kristensen. A new project to study the effects of plant cultivation methods (organic and conventional) on nutritional value, health and reproduction in an animal experiment. In *Food and nutrition or better health, A European conference: Highlights from EC research programmes (HEALFO Conference), Santa Maria Imbaro and Lanciano - Italy*, June 13-15 2001.
- [17] J.H. Badsberg. More Complex Graph Computations for Undirected Graphical Models by the CoCo Bundle for R. in *Distributed Statistical Computing*, March 20-22, 2003, Vienna University of Technology hosted by the R Foundation for Statistical Computing and the Austrian Association for Statistical Computing with a session on graphs & graphical modelling.
- [18] P. Sørensen, P. and J.H. Badsberg. Use of graphical gaussian models to infer relationships between genes. Book of *Abstracts from 55th EAAP*, Bled, Slovenia, 5, 2004.
- [19] Jens Henrik Badsberg, Claus Dethlefsen, Luca La Rocca. The giRaph package for graph representation in R. Poster presented at the *Second International R User Conference*, Vienna, Austria, June 15-17 2006.
- [20] S.E. Jensen, K.E. Engelhart Illigen, J.H. Badsberg, K.R. Hasløv. Specificity and detection limit of a dermal temperature histamine sensitization test for absence of residual pertussis toxin in acellular pertussis containing vaccines. Poster presented at *Vaccine Third Global Congress*, Ritz-Carlton Hotel, Singapore, 4th-6th October 2009.

Publications at Danish conferences

- [1] J. H. Badsberg. CoCo - a program for estimation, test and model search among hierarchical models on large 'co'mplete 'co'ntingency-tables. In Søren Boelskifte, editor, *Symposium i Anvendt Statistik*, pages 1–16. UNI.C, January 1989. Danmarks edb-center for forskning og uddannelse, Århus.
- [2] J. H. Badsberg. Headlong backward elimination of edges in graphical models on contingency tables by CoCo. In Søren Boelskifte, editor, *Symposium i Anvendt Statistik*, pages 350–352. UNI.C, January 1993. Danmarks edb-center for forskning og uddannelse, Århus.
- [3] K. Rasmussen, G. Rasmussen, J. H. Badsberg, and N. Holst. Ukrudtsudviklingen i forskellige sædskifter med og uden bekæmpelse i konkurrencetærke afgrøder. In *19. Danske Planteværnskonference*, volume 64, pages 151–166, March 2002.

Internal report, Biostatistics, Department of Public Health, Copenhagen University

- [1] J. H. Badsberg. Ernæring af småbørn - bankmælk. Intern rapport, 24. juni 1987. 1, Statistical Research Unit (SFE), University of Copenhagen, Panum, Denmark, 1987. Klient: Kim Fleischer Michaelsen.
- [2] J. H. Badsberg. Validering af knæ-hæl-måleren ved brug af en varianskomponentmodel. Intern rapport, 23. september 1987. 2, SFE, 1987. Klient: Kim Fleischer Michaelsen.
- [3] J. H. Badsberg. Overlevelsesanalyse af patienter med inoperabelt bronkogen adenokarcinom. Intern rapport, 11. juni 1987. 1, SFE, 1987. Klient: Jens Benn Sørensen.
- [4] J. H. Badsberg. Inoperabelt bronkogen adenokarcinom - behandlingsrespons. Intern rapport, 8 juli 1987. 2, SFE, 1987. Klient: Jens Benn Sørensen.
- [5] J. H. Badsberg. Inoperabelt bronkogen adenokarcinom - levermetastaser. Intern rapport, 1. oktober 1987. 3, SFE, 1987. Klient: Jens Benn Sørensen.
- [6] J. H. Badsberg. Inoperabelt bronkogen adenokarcinom - ASAT. Intern rapport, 1. december 1987. 4, SFE, 1987. Klient: Jens Benn Sørensen.
- [7] J. H. Badsberg. Volami, volumina hos ami-patienter. Intern rapport, 3. maj 1988. 1, SFE, 1988. Klient: Niels Gadsbøll m.fl.
- [8] J. H. Badsberg. Operabelt bronkogen adenokarcinom - histologi. Intern rapport, 27. april 1988. 1, SFE, 1988. Klient: Jens Benn Sørensen.
- [9] J. H. Badsberg. Emerald - prognostisk betydning af indgangsvariable. Intern rapport, 8. maj 1988. 1, SFE, 1988. Klient: Niels Tygstrup.
- [10] J. H. Badsberg. Emerald - forløb af kontinuerede laboratorie-variable. Intern rapport, 2. juni 1989. 2, SFE, 1989. Klient: Niels Tygstrup.
- [11] J. H. Badsberg. Intern validering af sysnfelt-målinger bestemt ved campimetri. Intern rapport, 10. marts 1989. 1, SFE, 1989. Klient: Jette Frederiksen.
- [12] J. H. Badsberg. Analysis of survival in PBC/CyA trail. Intern rapport, 23. juni 1989. 1, SFE, 1989. Klient: Niels Tygstrup.

Reports, Aalborg University

- [1] J. H. Badsberg. A guide to CoCo. Research Report R 91–43, Department of Mathematics and Computer Science, Aalborg University, Denmark, Fredrik Bajers Vej 7, DK–9220 Aalborg Øst, Denmark, 1991. Replaced by Part II of the Ph.D.-thesis.
- [2] J. H. Badsberg. A graphical tool for association models, draft. Research Report IR 93–2006, Department of Mathematics and Computer Science, Aalborg University, Denmark, Fredrik Bajers Vej 7, DK–9220 Aalborg Øst, Denmark, August 1993. Replaced by Part III of the Ph.D.-thesis.
- [3] J. H. Badsberg. Algorithms for collapsing log linear models onto sets containing a given set. R-96-2033, 1996.
- [4] J. H. Badsberg. Decomposition of graphs and hypergraphs with identification of conformal hypergraphs. R-96-2032, 1996.

Reports, Aarhus University

- [1] J.H. Badsberg. Franske kurver: Interpolation og Approximation ved Kortfremstilling. pp. 73 Internal Report 4, Biometry Research Unit, Denmark, August 1997.
- [2] L. Nielsen, H.H. Hansen, J.H. Badsberg and K. Søegaard. Planteproduktion og fødevalg. DJF intern rapport nr. 154, 7-13., DJF, 2002.
- [3] L. Nielsen, A.B. Hald and J.H. Badsberg. Slæt og afgræsning - betydning af tidspunkt og kombination for vegetation og produktion på engarealer. DJF rapport, markbrug nr. 91, 103-118., DJF, 2003.
- [4] L. Nielsen, A.B. Hald and J.H. Badsberg. Vegetation og planteproduktion på humusjord - effekt af øget jordfugtighed. DJF rapport, markbrug nr. 91, 131-156., DJF, 2003.
- [5] L. Nielsen, A.B. Hald, C.C. Hoffmann and H. Olsen. Perspektiver for drift af ferske enge. DJF rapport, markbrug nr. 91, 183-190., DJF, 2003.
- [6] J.H. Badsberg, L. Nielsen and H.H. Hansen. Spiser Kvæg som en grønthøster, eller er de kræsne. In Kristian Kristensen (red.) *Biomtrianvendelse i planteforskning, Temamøde den 25. september 2003 på Forskningscenter Flakkebjerg*. Djf intern rapport, DJF, nr. 184, September 2003.
- [7] J.H. Badsberg, M. Bonde, R. Botreau, M. Bracke, A. Butterworth, J. Capdeville, G. De Rosa, B. Engel, L. Keeling, P. Perny, T. Rousing, J.T. Sørensen, K. Van Reenen, and I. Veissier. Aggregation of welfare parameters to produce a comprehensive assessment of animal welfare: review of methods in use and of constraints imposed by welfare assessment. *INRA, DIAS, Elevage, ID, UNIBRIA, SLU, LIP6 DISCIZIA*, Deliverable 2.7, subtask 2.3.1, EU Food-CT-2004-506508, april 30, 2005.

General notes, Statens Serum Institut

- [1] J.H. Badsberg. Et konfidensinterval for ratioen mellem 2 normalfordelte variable ved Fieller's sætning. Biostatistisk Afsnit, SSI, December 2007.

Notes, exercises and solutions for teaching

- [1] J. H. Badsberg. Opgaver til statistik på M7. Opgavesamling, Department of Mathematics and Computer Science (Dept. Math.), Aalborg University, Denmark, 1995.
- [2] J. H. Badsberg. Løsninger til: Opgaver til statistik på M7. Opgaveløsninger, Dept. Math., 1995.
- [3] J. H. Badsberg. Regneark for variansanalyse. Undervisningsnotat, Dept. Math., 1995.
- [4] J. H. Badsberg. Opgaver til vandkvalitetskontrol. Opgavesamling, Dept. Math., 1996.
- [5] J. H. Badsberg. Franske kurver: Interpolation og approximation ved kortfremstilling. Undervisningsnotat, Dept. Math., 1995.
- [6] J. H. Badsberg. A guide to Interpol. Undervisningsnotat, Dept. Math., 1995.
- [7] J. H. Badsberg. Lidt større "små datasæt". Opgavesamling, Dept. Math., 1995.
- [8] J. H. Badsberg. Splus opgaver. Opgavesamling, Dept. Math., 1995.

Teaching Experience (given courses)

- Matematik: Lipman Bers with Frank Karal: *Calculus, Second Edition*, Holt, Rinehart and Winston, 1976. BU (instruktør), October 1, 1982 - January 31, 1983, 3.5 modules, 105 hours;
- Analyse: Wilfred Kaplan: *Advanced Mathematics for Engineers*, Addison Wesley, 1981. E3 (instruktør), September 1, 1983 - January 31, 1984, 3 modules, 66 hours;
- Datalogi: Kjeld Alling & Allan Dresling: *Grundkursus i Pascal*, Teknisk Forlag A/S, 1984. BU (instruktør), 3 times: September 15, 1985 - December 31, 1985, 3 modules, 90 hours; January 1, 1986 - January 31, 1986, 1 module, 30 hours; February 15, 1986 - June 30, 1986, 2 modules, 60 hours;
- Statistik: Mats Rudemo: *Statistik og sandsynlighedslære med biologiske anvendelser*. DSR Forlag, 1979. C6 (instruktør), 2 times: February 15, 1986 - June 30, 1986, 2 modules, 50 hours; March 15, 1985 - June 30, 1985, 3 modules, 64 hours;
- Numeriske metoder: *Hæfte 23: LØSNING af lineære ligningssystemer*, Numerisk Institut, Numerisk Analyse, DTH. A6 (instruktør), 2 times: March 15, 1984 - June 30, 1984, March 15, 1985 - June 30, 1985, 1 module, 24 hours;
- Lineær algebra: Knut Sydsæter: *Elementær algebra og funktionslære*. Dat0, 6. semester, October 1, 1984 - December 31, 1984, 10/6 modules, 13 students;
- Udjævning: Preben Dahl Vestergaard: *Notes on linear algebra*. L5, 2 times: September 1, 1990 - November 1, 1990, September 1, 1991 - November 1, 1991, 1 module, 40 students;
- Interpolation: Jens Henrik Badsberg: *Interpolation og approximation ved kortfremstilling*, Aarhus University, 1997. L9, 6 times: September 1, 1990 - November 1, 1990, September 1, 1991 - November 1, 1991, 3/6 modules, 10 students; September 1, 1992 - November 1, 1992, September 1, 1993 - November 1, 1993, 5/6 modules, 12-17 students; September 1, 1994 - November 1, 1994, September 1, 1995 - November 1, 1995, 1 module, 10-23 students;
- Lineære Normale Modeller: Bent Jørgensen: *The theory of linear models*, Chapman & Hall, 1993. Mat 2, 4. semester, 2 times: February 1, 1994 - June 1, 1994, 2 modules, 33 students; February 1, 1995 - June 1, 1995, 1.5 modules, 46 students;
- Projekt-vejledning: Bent Jørgensen: *The theory of linear models*, Chapman & Hall, 1993. Morris H. DeGroot: *Probability and Statistics, Second Edition*, Addison Wesley, 1984. John B. Fraleigh & Raymond A. Beauregard: *Linear Algebra*. Mat 2, 4. semester, 3 times: February 1, 1993 - June 1, 1993, 1 group, February 1, 1994 - June 1, 1994, 2 groups, February 1, 1995 - June 1, 1995, 1 group, 6-7 each group;
- Inferensteori: D. R. Cox & D. V. Hinkley: *Theoretical Statistics*, Chapman & Hall, 1990. Mat 3, 7. semester, October 1, 1991 - December 1, 1991, 1 module, 1 students;
- Grafiske Modeller: Steffen L. Lauritzen: *A Lectures on Contingency Tables, 3rd. Edition*, R89-24, Aalborg University, 1989. Jens Henrik Badsberg: *A guide to CoCo*, Aalborg University, 1992, (Journal of statistical software, 2002). Mat 4, 8. semester, 5 times: February 1, 1995 - March 1, 1995, 3/20 modules, 4 students; February 1, 1996 - March 15, 1996, 1 module, 6 students; February 1, 1997 - March 15, 1997, February 1, 1998 - March 15, 1998, February 1, 1999 - March 15, 1999, 1/2 module, 5-13 students;

- Kontingenstabeller: Jens Henrik Badsberg: *A guide to CoCo*, Aalborg University, 1992, (Journal of statistical software, 2002). A6, 2 times: April 1, 1996 - May 1, 1996, 1/2 module, 12 students; April 1, 1997 - May 1, 1997, 1/2 module, 10 students;
- Statistik og Sandsynligheder: Sheldon M. Ross: *Introduction to Probability and Statistics for Engineers and Scientists*, John Wiley & Sons, 1987. Ronald E. Myers & Raymond H. Walpole: *Probability & Statistics for Engineers & Scientists*, Prentice Hall, 1993. A5, 3 times: September 1, 1992 - December 1, 1992, September 1, 1993 - December 1, 1993, September 1, 1994 - December 1, 1994, 2 modules, 53-80 students;
- Videregående Statistik: Sheldon M. Ross, Ronald E. Myers & Raymond H. Walpole: A6AP, A6K og B6P, 2 times: February 1, 1991 - March 1, 1991, February 1, 1993 - March 1, 1993, 5/6 modules, 21/35 students;
- Videregående Statistik: Sheldon M. Ross, Ronald E. Myers & Raymond H. Walpole: M7, 4 times: October 1, 1992 - December 1, 1992, October 1, 1993 - December 1, 1993, October 1, 1994 - December 1, 1994, October 1, 1995 - December 1, 1995, 1 module, about 30 students;
- Videregående Statistik: Ronald E. Myers & Raymond H. Walpole; Notes on quality control of water; M8, 3 times: February 1, 1993 - March 1, 1993, February 1, 1995 - March 1, 1995, February 1, 1996 - March 1, 1996, 1 module, about 30 students;
- Vejledning ved afgangprojekt: Cykel-tællinger. (Peter, McCullagh & John Nelder: *Generalized Linear Models, First Edition*. Chapman and Hall, 1984.) A7, September 1, 1991 - February 1, 1992, 2 students;
- Multivariate teknikker: Subhash Sharma: *Applied Multivariate Techniques*, John Wiley & Sons, 1996. JBS (DJF), February 1, 2002 - September 15, 2002, 12 half days, 13 students;
- Geostatistics and Spatial Modelling: R. Webster & M. A. Oliver: *Geostatistics for Environmental Scientists*, J. Wiley & Sons, New York, 2001. JMP+GBI (DJF), March 30, 2003 - June 1, 2003, 8 full days, 12 students;
- Applied Survival Analysis: John P. Klein & Melvin L. Moeschberger: *Survival Analysis, 2nd. edition*, Springer, 2003. HSV (DJF), September 1, 2004 - December 15, 2004, 6 half days, 9 students;
- Mixed models: Ramon C. Littell, Walter W. Stroup & Rudolf J. Freund: *SAS for Linear Models, Fourth edition*, SAS institute, 2002. SVE+JMP (DJF), August 30, 2005 - November 1, 2005, 8 half days, 8 students;

The courses up to 2000 are given at Aalborg University. One 'module' at Aalborg University is 6 half days of 4 hours. The 4 latest courses are given at Aarhus University.

Talks

- Prognostic factors for survival of patients in EMALD.* Investigator meeting in ZYMA / Alcoholic Liver Disease, Geneve, Schweiz, May 20th, 1988.
- Test i store kontingenstabeller.* Statistisk Forskningsenheds seminar i Anvendt Statistik, København, 30. maj 1988.
- CoCo - komplette kontingenstabeller.* Symposium i anvendt statistik. Aarhus, 23-25. januar 1989.
- Prognostic factors for survival of patients in PBC.* Investigator meeting in CYA / PBC-III, Copenhagen, June 9th, 1989.
- Exact conditional tests between any two decomposable models in multidimensional contingency tables by Monte Carlo methods.* 7th European Young Statisticians Meeting, Oberwolfach, Tyskland, August 11-17th, 1991.
- Compute-demonstration of CoCo.* BAIES Symposium 1992, London, April 31th - Maj 1th 1992.
- CoCo - a program for the analysis of large Contingency Tables: Model Search.* Séminaire Européen de Statistique, Aarhus, May 5th, 1992.
- Loading CoCo into XLISP-STAT and New S.* 14. Nordiske konference i matematisk statistik, Røros, Norge, June 15-19th, 1992.
- Model Search in Contingency Tables by CoCo.* COMPSTAT - 10th Symposium on Computational Statistics, Neuchâtel, Schweiz, August 24-28th, 1992.
- Mig selv | Teori og praksis for mig i statistik, datalogi og matematik.* Afdeling for Matematik og Datalogi, Aalborg Universitetscenter, 4. september 1992.
- Model Search in Contingency Tables by CoCo.* Working session on *Statistical Association Models*, Wiesbaden, Mainz, Tyskland, September 7-9th, 1992.
- Model Search in Contingency Tables by CoCo.* Humboldt-Universität zu Berlin, Berlin, Tyskland, September 15th, 1992.
- Analyse af kontingenstabeller ved hjælp af CoCo.* Det sjätte Kattégattsymposiet i matematisk statistik, Thorskogs slott vid Lilla Edet, Sverige, 7-8. oktober 1992.
- Headlong backward elimination of edges in graphical models on contingency tables by CoCo.* Symposium i anvendt statistik, København, 27-27. januar 1993.
- Lisp-CoCo – A tool for Graphical Models.* 8th Conference on the Scientific Use of Statistical Software, University of Hiedelberg, March 26–30, 1995.
- An Environment for Graphical Models.* Ph.D. forelæsning, Aalborg, 20. september 1995.
- An Environment for Graphical Models.* Todagesmøde i Dansk Selskab for Teoretisk Statistik, Aalborg, 22. november 1995.
- An Environment for Graphical Models.* Seminar afholdt af Biometrigruppen, Afdeling for Biometri og Informatik, Foulum, 31. oktober 1996.
- Statistical Analysis of Pest and Disease Data in Lithuania.* Dotnova, Lithuanian Institute of Agriculture, Lithuania, Februar 24-27th, 1997.
- Xlisp+CoCo.* 1997 AMS-IMS-SIAM Joint Summer Research Conference on Graphical Markov Models, Bayesian Belief Networks and Influence Diagrams, University of Washington, Seattle, USA, June 28th to Juli 3th, 1997.
- Brugen af CoCo til modelseleksion, status og perspektiver.* Dina workshop 1998, Forskningscenter foulum, 23. oktober 1998.
- Efficient methods for estimation in log-linear models.* The 52nd Session of the International Statistical Institute, Helsinki, Finland, August 10-18, 1999.

SAS-macro for fastsættelse af optimal kvælstof ved forsøg med stigende mængder. NJF-Seminar, Optimal nitrogen fertilization - Tools for recommendation, Ås, Norge, April 29–30, 2001.

More complex graph computations for undirected graphical models by the CoCo bundle of R. Distributed Statistical Computing - with a session on graphs & graphical modelling. Hosted by the R Foundation for Statistical Computing and the Austrian Association for Statistical Computing, Vienna University of Technology, March 20-22, 2003.

Graphical models by CoCo in R. gR 2003 - A MaPhySto Workshop on Computational Aspects of Graphical Models, Aalborg University hosted by the Danish gR group, September 17-20, 2003.

dynamicGraph and CoCo in R. University of Firenze, Italy, March 30, 2004.

CoCo in R. University of Perugia, Italy, April 2, 2004.

Participation in workshops, conferences, etc.²

- Det 2. Kattegattsymposium i matematisk statistik*, Skagen, oktober 1984.
- 12. Nordiske konference i matematisk statistik*, Åbo, Finland, 6. - 10. juni 1988.
- COMPSTAT - 8th Symposium on Computational Statistics*, København, 29. aug. - 2. sept. 1988.
- Workshop on Graphical Models*, Aalborg, 3. september 1988.
- Symposium i anvendt statistik*, Aarhus, 23. - 25. januar 1989.
- 13. Nordiske konference i matematisk statistik*, Odense, 11. - 15. juni 1990.
- Det 5. Kattegattsymposium i matematisk statistik*, Gl. Vraa, oktober 1990.
- 7th European Young Statisticians Meeting*, Oberwolfach, Tyskland, 11. - 17. august 1991.
- BAIES Symposium 1992*, London, April 31th - May 1th 1992.
- Séminaire Européen de Statistique*, Aarhus, May 5th, 1992.
- 14. Nordiske konference i matematisk statistik*, Røros, Norge, 15. - 19. juni 1992.
- COMPSTAT - 10th Symposium on Computational Statistics*, Neuchâtel, 24. - 28. aug. 1992.
- Working session on Statistical Association Models*, Wiesbaden, Tyskland, September 7–9th, 1992.
- Det sjätte Kattegattsymposiet i matematisk statistik*, Thorskogs slott vid Lilla Edet, Sverige, 7. - 8. oktober 1992.
- Symposium i anvendt statistik, København*, 27. - 27. januar 1993.
- Fourth Workshop on Normative Systems*, Aalborg University, 8. - 10. maj 1994.
- COMPSTAT - 11th Symposium on Computational Statistics*, Wien, 22. - 26. august 1994.
- Det 7. Kattegattsymposium i matematisk statistik*, Gl. Vraa, 6. - 7. oktober 1994.
- Fifth International Workshop on Artificial Intelligence and Statistics*, Ft. Lauderdale, Florida, January 4–7th, 1995.
- Research Seminar on Probability and Causality*, Aalborg, June 12-30th, 1995.
- SoftStat '95*, 8th Conference on the Scientific Use of Statistical Software, University of Hiedelberg, March 26–30th, 1995.
- 21st European Meeting of Statisticians*, Aarhus, 21. - 25. august 1995.
- 3-dages mødet i anledning af DSTS's 25 års dag*. Middelfart, 6. - 8. maj 1996.
- First European Conference on Highly Structured Stochastic Systems*. Rebild, May 19–24th, 1996.
- COMPSTAT - 12th Symposium on Computational Statistics*, Barcelona, 26. - 30. august 1996.
- 1997 AMS-IMS-SIAM Joint Summer Research Conference on Graphical Markov Models, Bayesian Beleaf Networks and Influence Diagrams*, University of Washington, Seattle, USA, June 28th to Juli 3th, 1997.
- 17. Nordiske konference i matematisk statistik, Helsingør*, 8. - 12. juni 1998.
- Summer School on MCMC, Rebild*, 7–10th august 1998.
- Workshop on Mathematical and Statistical aspects of Molecular Biology*, Loughborough University, April 7–8, 1999.
- European Mathematical Genetics Meeting*, Loughborough University, April 9–11, 1999.
- Nordic Regional Conference 1999*, International Biometric Society, Copenhagen, June 9–11, 1999.
- The 52nd Session of the International Statistical Institute*, Helsinki, Finland, August 10–18, 1999.

²2-day meeting in Dansk Selskab for Teoretisk Statistik and other minor meetings omitted.

- HSSS-workshop: Data Analysis with Graphical Models - Computational Aspects, Applications, and Extensions*, Munich, Germany, March 12–15, 2000.
- HSSS-workshop: Bias reduction and confidence estimation in complex models*, Lillesand, Norway, June 1–3, 2000.
- 18th Nordic Conference on Mathematical Statistics*, Grimstad, Norge, June 5–8, 2000.
- NJF-Seminar, Optimal nitrogen fertilization - Tools for recommendation*, Ås, Norge, April 29–30, 2001.
- International Biometric Society - Nordic Region Conference* Savonlinna, Finland, June 6–8, 2001.
- gR Workshop*, Vienna University of Technology, September 12–13, 2002.
- Workshop on Statistical Aspects of Microarray Data*, Århus, Januar 20–22, 2003.
- Distributed Statistical Computing*, Vienna University of Technology, March 20–22, 2003.
- gR 2003 - A MaPhySto Workshop on Computational Aspects of Graphical Models*, Aalborg University, September 17–20, 2003.
- Kildedata og kildedokumenter - Hvordan definerer vi dem og hvordan får vi dem til at fungere i praksis?* Projektsygeplejerske Birgitte Scheldt, Værløse, Auditor Mette Nørgaard, Lundbeck, Inspektør Lene Bjerring Bork, Lægemedelstyrelsen, Monitor Pia Friis Skovsen, Boehringer Ingelheim Danmark A/S. Auditoriet, Boehringer Ingelheim Danmark A/S, København, GCP-selskabet, 15. maj 2007.
- Hvad er reglerne omkring modtagekontrol af forsøgsmedicin på site - og hvordan håndteres det i praksis?* Indlæg fra Professor Søren Holm: Patient informationen - Skal den virkelig være så lang, hvem skriver vi egentlig til / for? Indlæg af Unna Scherer fra VEK - Region Hovedstaden: Den nye vejledning fra VEK. Auditoriet, Boehringer Ingelheim Danmark A/S, København, GCP-selskabet, 21. november 2007.
- Deltagerinformation og samtykke* H. Lundbeck A/S, Valby, GCP-selskabet, 15. april 2008.
- The Swedish Association of Medical Statistics (FMS) and the Danish Society for Biopharmaceutical Statistics (DSBS): Statistical Issues in Medical Statistics*, 3rd joint workshop, Quality Hotel Konserthuset, Amiralsgatan 19, Malmø, 24. april 2008.
- 29th Annual Conference of the International Society for Clinical Biostatistics (ISCB29)*, Christianshavn, 17. - 21. august 2008.
- MATLS Network (Multivariate Analysis for the Technical and Life Sciences): Multivariate Data Analysis*, Informatics and Mathematical Modelling, DTU, 26. august 2008.
- Helsinki Deklarationen: Før og nu - historik, beslutningsproces og fokusområder*, Professor, dr. med. Povl Riis. Auditoriet, Boehringer Ingelheim Danmark A/S, København, GCP-selskabet, 24. marts 2009.
- DSBS meeting on missing data*, Novo Nordisk, Vandtårnsvej 114, 2860 Søborg, 25. August 2009.
- BEBPA Meetings: Annual Bioassay Conference*, Rome, Italy, September 30 – October 2nd, 2009.
- Biological Assays (CQ3404) with Practical Statistical Methods for Biological Assays*, Berlin, 12th - 15th October, 2009.
- The Swedish Association of Medical Statistics (FMS) and the Danish Society for Biopharmaceutical Statistics (DSBS): Statistical Issues in Medical Statistics*, 4th joint workshop, Hotel Hilton, Kastrup, 27. april 2010.
- 33th Annual Conference of the International Society for Clinical Biostatistics (ISCB33)*, Bergen, 19. - 22. august 2012.

Experiences with large systems

- CoCo, a system for analysis of association models:
 - 85.000 lines of PASCAL code,
 - 1.100 lines of C code,
 - 10.000 lines of R code,
 - 13.000 lines of Lisp code,
 - 1.300 lines of Makefiler, etc.,
 - 1 Mbytes of TeX code with documentation.

The system have been compiled for Unix (Linux), Windows and Macintosh.

Memberships of Academic Societies

DSTS Dansk Selskab for Teoretisk Statistik.

DMF Dansk Matematisk Forening.

IBS The International Biometric Society.

GCP Dansk Selskab for Good Clinical Practice.

DSBS Dansk Selskab for Biofarmaceutisk Statistik.

External Posts

2000-2012: International Biometric Society, Nordic (NR) region.

Administrative Experience

1996-2009: Dragen Nordjylland (Forening for udbredelse af hang-glidning i Nordjylland); bestyrelsesmedlem samt revisor,

1997-1998: Bohrparken (Andelsboligforening, 51 andele); bestyrelsesmedlem,

1998-1999: Kanalkvarterets Idrætsforening (Idrætsforening med aerobics på programmet); formand.

Hang-gliding

Kursusdeltagelse og erhvervet uddannelsestrin i forbindelse med hang-gliding:

SafePro 1: Bakkeglidning; 1992.

SafePro 2: Højdeglidning; 1993.

S-teori: Svæveflyverteori - VF (meteorologi, aerodynamik samt love og bestemmelser for visuel flyvning), Dansk Svæveflyver Union & Statens Luftfartsvæsen; 15. april 1997.

SafePro 3: Let flyvning; 19. november 1998.

Instruktørkursus: Dansk Drageflyver Union, 31. oktober - 1. november 1998.

Termik 2000: Kursus i termikflyvning holdt af Dansk Drageflyver Union, 21. - 26. august. 2000.

SafePro 4: Avanceret flyvning; 2000.

S-teori: Svæveflyverteori - MYB (menneskets ydeevne), Dansk Svæveflyver Union & Statens Luftfartsvæsen; 2000.

SafePro 5: Distanceflyvning; 2001: Class 1 instructor og Chefinstruktør.

Results on national and international WEB-pages:

Danish liga, DHPU: Select "Hanggliding" and "Ligaturnering flex-vinge" on <http://www.dhpu.dk/nydhpu/resultater/resultater.html> , or see <http://www.dhpu.dk/liga/ligalister/pilotliste.asp?pilotnr=851>

Fédération Aéronautique Internationale, FAI: Select "Nations ranking" on http://civlrankings.fai.org/?a=326&ladder_id=1& find "Denmark" on the resulting page, or see http://civlrankings.fai.org/?a=321&l=0&person_id=6661& or http://civlrankings.fai.org/?a=322&l=0&person_id=6661&

Danmarks mesterskaber og træningsture til udland:

2000 - november : Træningstur; Lanzarote, Spanien;

2001 - maj : DM-fladland; FASTERHOLT;

- august : DM-bjergflyvning; Laragne, Frankrig;

2002 - januar : Træningstur; Lanzarote, Spanien;

- maj : DM-fladland; FASTERHOLT;

- august : DM-bjergflyvning; Laragne, Frankrig;

2003 - januar : Træningstur; Lanzarote, Spanien;

- marts : Talentudviklingstur; Bassano, Italien;

- maj : DM-fladland; FASTERHOLT;

- august : DM-bjergflyvning; Laragne, Frankrig;

2004 - marts : Træningstur; Mt. Cucco, Italien;

- maj : DM-fladland; FASTERHOLT; Bedst placeret king-post pilot

- juli : Bjergsommerlejr; KÖSSEN, ØSTRIG;

- august : DM-bjergflyvning; Mt. Cucco, Italien; Bedst placeret king-post pilot
- 2005 - maj : DM-bjergflyvning; Greifenburg, Østrig;
 - august : DM-fladland; FASTERHOLT;
- 2006 - marts : Træningstur; Sydafrika;
 - april : Træningstur; Mt. Cucco, Italien;
 - maj : DM-fladland; FASTERHOLT;
 - juli : DM-skrænt; Venø; Danmarksmester
- august : DM-bjergflyvning, (British Open); St. Andre, Frankrig;
- 2007 - april : Træningstur; Greifenburg, Østrig;
 - maj : DM-fladland; FASTERHOLT;
 - juni : DM-bjergflyvning, (German Open); Ruhpolding, Tyskland;
- august : British Open; St. Andre, Frankrig;
- 2008 - maj : DM-fladland; FASTERHOLT;
- august : DM-bjergflyvning, (British Open); Laragne, Frankrig; 4. plads
- 2009 - maj : DM-fladland; FASTERHOLT;
- august : DM-bjergflyvning, (Dutch Open); Laragne, Frankrig; 4. plads
- 2010 - februar : Træningstur; Lanzarote, Spanien;
 - maj : DM-fladland; FASTERHOLT;
 - august : Dutch Open; Mt. Cucco, Italien;
 - august : Kobala Open; Tolmin, Slovenien;
 - august : Sjællandsmesterskab; Skjoldnæsholm;
- december : 14th Open de Canarias de Ala Delta; Lanzarote;
- 2011 - maj : DM-fladland; FASTERHOLT;
- 2012 - maj : DM-fladland; FASTERHOLT;
- december : 16th Open de Canarias de Ala Delta; Lanzarote;
- 2013 - maj : DM-fladland; FASTERHOLT;

Scuba Diving

Open Water Diver: April 9th, 2010.

Advanced Open Water Diver: April 11th, 2010.