

CURRICULUM VITAE

November 17, 2008

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1. Personal

Date of birth : June 13, 1948

Wife: Eli Ruud Bjørnstad

Daughter : Linn, 29

2. Professional career

Head of Research and Professor of Statistics, Statistics Norway	February 2001-
Professor of Statistics, Agricultural University of Norway	Nov. 1998- Feb. 2001
Senior Research Statistician (professor equivalent), Statistics Norway, Oslo	Aug. 1995- Nov. 98
Parttime (20%) consultant, Statistics Norway	Aug. 1991- Aug.95
Professor of Statistics, University of Trondheim, Norway	July 1991 - Aug. 95
Professor of Statistics (20%), University of Tromsø, Norway	July 1991 - July 2001
Professor of Statistics, University of Tromsø, Norway	June 1985 - July 1991
Associate Professor, University of Tromsø, Norway	Aug. 1983 - June1985
Assistant Professor in Statistics, Dept. Math, University of Texas, Austin	Sept. 80 - Aug. 83
Visiting Assistant Professor, Dept. Stat., Purdue University, Indiana	Sept. 78 - Sept. 80
Research fellow at University of California, Berkeley (supported by the Norwegian Research Council for Science and the Humanities)	Sept.75 - Sept. 78
Scientific assistant in Statistics, University of Oslo	January 72 - Sept. 75
Parttime statistical assistant, Statistics Norway	June 1971 - July 1973
Two sabbaticals at Dept. Math., Univ of Texas, Austin	1986, 1989
Visiting Professor, Dept. Statistics and Applied Probability, University of California, Santa Barbara	January –April, 2006

3. Research activities

-Survey sampling : Sampling design, data quality (e.g. nonsampling errors like nonresponse, variance estimation), statistical analysis.

- Prediction

- Likelihood theory

-General theory of statistical inference

4. Education

Masters degree in Statistics	1973, University of Oslo
Ph. D. in Statistics	1978, University of California, Berkeley

5. Other professional experiences, excerpts

Consulting : Since 1973 in many different areas - medical research (clinical trials), psychology, anatomy, arctic biology, pharmacology, physiology, morphology, historical research, sample surveys, criminal law, encyclopedia.

6. Selected publications

6.I. Research papers

1. On optimal subset selection procedures, 1978. Ph.D. dissertation, Univ of California, Berkeley
2. Comparison of three minimax subset selection procedures, *Technometrics*, vol 22, 1980, 617-621.
3. A class of Schur-procedures and minimax theory for subset selection, *Annals of Statistics*, vol 9, 1981, 777-792.
4. A decision-theoretic approach to subset selection, *Communications in Statistics*, A10 no 23, 2411-2433
5. Comparison of dependent two-way contingency tables, *Communications in Statistics*, A11 no 6, 673-686.
6. On the use of expansion estimators in subset selection, *A Festschrift for Erich L. Lehmann*, 1983, 62-78.
7. A general theory of asymptotic consistency for subset selection with applications, *Annals of Statistics*, vol 12, 1984, 1058- 1070.
8. Subset selection of superior populations when the number of populations is large, *J. Statist. Plann. and Inference*, vol 11, 1985, 207-216.
9. Asymptotic consistency of procedures for selecting good populations, *Communications in Statistics*, A14 no7, 1659-1668.
10. Asymptotic consistency for subset selection procedures satisfying the P*-condition, *J. Statist. Plann. and Inference*, vol 13, 1986, 319-335.
11. (Coauthor Ron Butler). The equivalence of backward elimination and multiple comparisons, *J. American Statist. Association*, vol 83, 1988, 136-144.
12. Predictive likelihood: A review (with discussion), *Statistical Science*, vol 5, 1990, 242-265.
13. Introduction to: Allan Birnbaum (1962), On the foundations of statistical inference, *J. Am Stat. Ass.* 269-306. In *Breakthroughs in Statistics 1890-1989*, (Ed. S. Kotz and N.L. Johnson), 1991 Springer.
14. Invited discussion on predictive inference. *Proceedings of the 49th Session of the International Statistical Institute*, 1993.
15. On the generalization of the likelihood function and the likelihood principle, *J. American Statist. Ass.* vol 91, 1996, 791-806.
16. Predictive Likelihood, In *Encyclopedia of Statistical Sciences*, update volume 2, 1998, 539-545.
17. Discussion of «Integrated likelihood methods for eliminating nuisance parameters» by Berger, Liseo and Wolpert, *Statistical Science* 1- 28, 1999, 23-25.
18. Likelihood and Statistical Evidence in Survey Sampling, *Statistics in Transition*, vol 6, 2003, 23-31
19. Modeling and estimation methods for household size in the presence of nonignorable nonresponse applied to the Norwegian Consumer Expenditure Survey (coauthors Liv Belsby and Li-Chun Zhang), *Survey Methodology*, vol 31, 2005, 197-212
20. Non-Bayesian Multiple Imputation (with Discussion), *Journal of Official Statistics*, vol.23, 2007, 433-491
21. Two-stage sampling from a prediction point of view when the cluster sizes are unknown (coauthor Elinor Ytterstad), *Biometrika*, vol. 95, 2008, 187 - 204.

6.II. Educational material

1. Asymptotic theory (in Norwegian), 139 pp, 1987. (For a graduate course in asymptotic probability theory)
2. Survey sampling and prediction (in Norwegian), 195 pp, 1995 (For a graduate course in survey sampling)