Curriculum Vitae
Thomas Harder Scheike

Thomas H. Scheike
Professor
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Employment

- March 2007 - Present : Department of Biostatistics, Professor.
- August 2002 - March 2007 : Department of Biostatistics, University of Copenhagen, Lektor (associate professor).
- August 2001 - August 2002 : Department of Mathematical Sciences, University of Aalborg, Professor.
- March 1994 - August 2001 : Department of Biostatistics, University of Copenhagen, Lektor (associate professor).

Education

- Dr. Scient (Doctoral degree in Statistics), University of Copenhagen (March 2002).
- Ph.D. Statistics, University of California, Berkeley (April 1993).
- M.Sc. Statistics, University of California, Berkeley (June 1991).
- Cand. Act. : Master's degree in Actuarial Science, University of Copenhagen (June 1990).

Research grants
Selected larger research grants:

- EU Marie-Curie ITN, member of board, 2010-2013; "Novel Statitistical Methodology for Diagnostic/Prognostic and Theraputic Studies and Systematic Reviews", (Grant no 290025).

- Excellence program at University of Copenhagen, 2008-2013; "Statistical methods for complex high dimensional models". Member of steering committee.
- FNU (The Danish Research Council for Natural Sciences) Framework grant, 2010-2012; "Point process modelling and statistical inference".
- NIH 2 R01 CA54706-13 (US), 1997-2010 (4 succesfull renewals); "Techniques for modeling complex longitudinal studies".
- FNU (The Danish Research Council for Natural Sciences) Major framework grant, 2007-2009; "Point process modelling and statistical inference".

Books:

Dynamic regression models for survival data, Torben Martinussen and Thomas H. Scheike (2006), Springer-verlag.

Orcid: 10/3/2020 160 papers in peer-reviewed journals.

Supervision
4 masters students in statistics and actuarial science, and 10 Ph.D. students.

Selected Publications since 2010:

References

[Ambrogi & Scheike2016] AMBROGI, F. & SCHEIKE, T. (2016). Penalized estimation for competing risks regression with applications to high-dimensional covariates. *Biostatistics* **17**, 708–721.

[Cederkvist et al.2017] CEDERKVIST, L., HOLST, K., ANDERSEN, K., GLIDDEN, D., FREDERIKSEN, K., KJAER, S., & SCHEIKE, T. (2017). Incorporation of the time aspect into the liability-threshold model for case-control-family data. *Statistics in Medicine* Copyright 2017 John Wiley & Sons, Ltd.

[Cederkvist et al.2018] CEDERKVIST, L., HOLST, K. K., ANDERSEN, K. K., & SCHEIKE, T. H. (2018). Modeling the cumulative incidence function of multivariate competing risks data allowing for within-cluster dependence of risk and timing. *Biostatistics* .

[Cortese et al.2017] CORTESE, G., HOLMBOE, S. A., & SCHEIKE, T. H. (2017). Regression models for the restricted residual mean life for right-censored and left-truncated data. *Statistics in medicine* **36**, 1803–1822.

[Cortese et al.2010] CORTESE, G., MARTINUSSEN, T., & SCHEIKE, T. H. (2010). Flexible survival regression modeling. *Statistical Methods in Medical Research* **19**.

[Eriksson et al.2015a] ERIKSSON, F., LI, J., SCHEIKE, T., & ZHANG, M.-J. (2015a). The proportional odds cumulative incidence model for competing risks. *Biometrics* **71**, 687–695.

[Eriksson et al.2015b] ERIKSSON, F., MARTINUSSEN, T., & SCHEIKE, T. H. (2015b). Clustered survival data with left-truncation. *Scandinavian Journal of Statistics* **40**.

[Gerds et al.2012] GERDS, T. A., SCHEIKE, T. H., & ANDERSEN, P. K. (2012). Absolute risk regression for competing risks: interpretation, link functions, and prediction. *Statististics in Medicine* **31**, 3921–30.

[Gorst-Rasmussen & Scheike2013] GORST-RASMUSSEN, A. & SCHEIKE, T. (2013). Independent screening for single-index hazard rate models with ultrahigh dimensional features. *Royal Statistical Society. Journal. Series B: Statistical Methodology* **75**, 217–245.

[He et al.2016] HE, P., ERIKSSON, F., SCHEIKE, T., & ZHANG, M. (2016). A proportional hazards regression model for the subdistribution with covariates-adjusted censoring weight for competing risks data. *Scandinavian Journal of Statistics* **43**, 103–122.

[Holst et al.2016] HOLST, K., SCHEIKE, T., & HJELMBORG, J. (2016). The liability threshold model for censored twin data. *Computational Statistics & Data Analysis* **93**, 324335.

[Holst et al.2015] HOLST, K. K., SCHEIKE, T. H., & HJELMBORG, J. B. (2015). The liability threshold model for censored twin data. *Computational Statistics and Data Analysis* **13**.

[Klein et al.2013] Klein, J., van Hourwelingen, H. C., Ibrahim, J. G., & Scheike, T. H., editors (2013). *Handbook of Survival Analysis*. Chapman Hall London, New York.

[Mansourvar et al.2015] MANSOURVAR, Z., MARTINUSSEN, T., & SCHEIKE, T. H. (2015). An additive–multiplicative restricted mean residual life model. *Scandinavian Journal of Statistics* .

[Scheike et al.2015a] SCHEIKE, T., HJELMBORG, J., & HOLST, K. (2015a). Estimating twin pair concordance for age of onset. *Behavior Genetics* .

[Scheike et al.2015b] SCHEIKE, T., HOLST, K., & HJELMBORG, J. (2015b). Measuring early or late dependence for bivariate lifetimes of twins. *Lifetime Data Analysis* **21**, 280–299.

[Scheike et al.2014a] SCHEIKE, T. H., HOLST, K., & HJELMBORG, J. V. (2014a). Estimating heritability for cause specific mortality based on twin studies. *Lifetime Data Anal.* **20**, 210–233.

[Scheike et al.2014b] SCHEIKE, T. H., HOLST, K. K., & HJELMBORG, J. B. (2014b). Estimating twin concordance for bivariate competing risks twin data. *Statistics in Medicine* **33**, 1193–204.

[Scheike et al.2013] SCHEIKE, T. H., MAIERS, M. J., ROCHA, V., & ZHANG, M. J. (2013). Competing risks with missing covariates: Effect of haplotypematch on bmt patients. *Lifetime Data Anal.* **19**, 19–32.

[Scheike & Sun2012] SCHEIKE, T. H. & SUN, Y. (2012). On cross-odds ratio modelling for multivariate competing risks data. *Biostatistics* **13**, 133–145.

[Scheike et al.2010] SCHEIKE, T. H., SUN, Y., ZHANG, M. J., & JENSEN, T. K. (2010). A semiparametric random effects model for multivariate competing risks data. *Biometrika* **97**, 133–145.