

Klaus Kähler Holst

Curriculum Vitae

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Personal Information

Nationality: Danish
 Present position: Principal Scientist, Maersk Transport & Logistics
 Work address: Esplanaden 50, DK-1098 Copenhagen

Employment

Maersk Transport & Logistics, Advanced Analytics

Principal Scientist

Apr. 2017 - Present

University of Copenhagen, Department of Biostatistics

Associate Professor

Jan. 2016 - Mar. 2017

Maersk Line, Advanced Analytics

Analyst

Jan. 2015 - Dec. 2016

University of Copenhagen, Department of Biostatistics

Neurobiology Research Unit, Rigshospitalet

Assistant Professor

Feb. 2012 - Dec. 2014

University of Copenhagen, Department of Biostatistics

Neurobiology Research Unit, Rigshospitalet

PostDoc

Mar. 2011 - Jan. 2012

University of Copenhagen, Department of Biostatistics

Ph.D. student

Mar. 2008 - Feb. 2011

University of Copenhagen, Department of Biostatistics

Research Assistant

Jan. 2006 - Feb. 2008

Education

University of Copenhagen

Ph.D. Biostatistics

Jun. 2011

University of Copenhagen

M.Sc. Mathematics

Jan. 2006

Selected publications

- K. K. Holst and T. H. Scheike and Jacob B. Hjelmberg: *The liability threshold model for censored twin data*. Computational Statistics & Data Analysis, 2016. DOI: j.csda.2015.01.014.
- T. H. Scheike and K. K. Holst and Jacob B. Hjelmberg: *Estimating twin concordance for bivariate competing risks twin data*. Statistics in Medicine, 2014. DOI: 10.1002/sim.6016.
- K. K. Holst and E. Budtz-Jørgensen: *Linear Latent Variable Models: The lava-package*. Computational Statistics **28** (4), p. 1385–1452, 2013. DOI: 10.1007/s00180-012-0344-y.
- P. Harremoës and K. K. Holst: *Convergence of Markov Chains in Information Divergence*. Journal of Theoretical Probability (**22**), p. 186–202, 2009. DOI: 10.1007/s10959-007-0133-7.
- D. Erritzoe and K. K. Holst and V. G. Frokjaer and C. L. Licht and J. Kalbitzer and F. A. Nielsen and C. Svarer and J. Madsen and G. M. Knudsen: *A Nonlinear Relationship between Cerebral Serotonin Transporter and 5-HT_{2A} Receptor Binding: An In Vivo Molecular Imaging Study in Humans*. Journal of Neuroscience (**30**), p. 3391–3397, 2010. DOI: 10.1523/JNEUROSCI.2852-09.2010.
- J. Kalbitzer and D. Erritzoe and K. K. Holst and F. A. Nielsen and L. Marner and S. Lehel and T. Arentzen and T. L. Jernigan and G. M. Knudsen: *Seasonal Changes in Brain Serotonin Transporter Binding in Short Serotonin Transporter Linked Polymorphic Region-Allele Carriers but Not in Long-Allele Homozygotes*. Biol Psychiatry (**67**), p. 1033–1039, 2010. DOI: 10.1016/j.biopsych.2009.11.027.
- J.H. Petersen and K.K.Holst and E. Budtz-Jørgensen: *Correcting a Statistical Artifact in the Estimation of the Hubble Constant based on Type Ia Supernovae Results in a Change in Estimate of 1.2%*. The Astrophysical Journal (**723**), p. 966–968, 2010. DOI: 10.1088/0004-637X/723/1/966.
- Klaus K. Holst and Thomas Scheike: *mets (R package/C++) Implementation of various state-of-the-art techniques for modeling multivariate event history data including multivariate cumulative incidence models and IPCW Liability models*. <http://cran.r-project.org/web/packages/mets/>,
- Klaus K. Holst: *gof (R package/C++)*. *gof (R package/C++): Goodness-of-fit procedures based on cumulative residual processes. Methods available for assessing link-function or functional form of linear predictors in Generalized Linear Models, assessing the proportional hazards assumption in a Cox regression, and assessing linearity assumptions in Structural Equation Models*. <http://cran.r-project.org/web/packages/gof/>, arXiv: 1507.01173 [stat.CO].
- Luise Cederkvist and Klaus K. Holst and Klaus K. A. Andersen and Thomas H. Scheike. *Modelling the cumulative incidence function of multivariate competing risks data allowing for within-cluster dependence of risk and timing*. Biostatistics, 2018. DOI: 10.1093/biostatistics/kxx072.
- Klaus K. Holst and Esben Budts-Jørgensen. *A two-stage estimation procedure for non-linear structural equation models* (2018). arXiv: abs/1803.06578 [stat.ME].

Referee/Reviewer

Biometrics; Journal of Royal Statistical Society, Series B; R Journal; Statistics in Medicine; Journal of Statistical Software; Computational Statistics and Data Analysis; NeuroImage; Biostatistics