Kasper Kristensen - DTU Orbit (16/01/2019)
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Research outputs:

Intercalibration of survey methods using paired fishing operations and log-Gaussian Cox processes
Research output: Research - peer-review › Journal article – Annual report year: 2019

Coupling commercial fisheries and survey data: a practical solution to boost the amount of information in data-poor context
Research output: Research › Conference abstract for conference – Annual report year: 2018

Newton step methods for AD of an objective defined using implicit functions
Research output: Research - peer-review › Journal article – Annual report year: 2017

No-U-turn sampling for fast Bayesian inference in ADMB and TMB: Introducing the adnuts and tmbstan R packages
Research output: Research - peer-review › Journal article – Annual report year: 2018

The Mixed Assessor Model and the multiplicative mixed model
Research output: Research - peer-review › Journal article – Annual report year: 2018

Geostatistical modelling of the spatial life history of post-larval deepwater hake Merluccius paradoxus in the Benguela Current Large Marine Ecosystem
Research output: Research - peer-review › Journal article – Annual report year: 2017

glmmTMB balances speed and flexibility among packages for Zero-inflated Generalized Linear Mixed Modeling
Research output: Research - peer-review › Journal article – Annual report year: 2018

Validation of ecological state space models using the Laplace approximation
Research output: Research - peer-review › Journal article – Annual report year: 2017

Implementing a generic method for bias correction in statistical models using random effects, with spatial and population dynamics examples
Research output: Research - peer-review › Journal article – Annual report year: 2016

Migration, distribution and population (stock) structure of shallow-water hake (Merluccius capensis) in the Benguela Current Large Marine Ecosystem inferred using a geostatistical population model
Research output: Research - peer-review › Journal article – Annual report year: 2016

Testing the effect of soak time on catch damage in a coastal gillnetter and the consequences on processed fish quality
Research output: Research - peer-review › Journal article – Annual report year: 2016
TMB: Automatic differentiation and Laplace approximation
Research output: Research › peer-review › Journal article – Annual report year: 2016

Validation of state-space models using Template Model Builder
Research output: Research › Conference abstract for conference – Annual report year: 2016

Nursery areas and recruitment variation of Northeast Atlantic mackerel (Scomber scombrus)
Research output: Research › peer-review › Journal article – Annual report year: 2014

Spatial factor analysis: a new tool for estimating joint species distributions and correlations in species range
Research output: Research › peer-review › Journal article – Annual report year: 2015

A statistical model for estimation of fish density including correlation in size, space, time and between species from research survey data
Research output: Research › peer-review › Journal article – Annual report year: 2014

Estimating spatio-temporal dynamics of size-structured populations
Research output: Research › peer-review › Journal article – Annual report year: 2013

Evaluation of alternative age-based methods for estimating relative abundance from survey data in relation to assessment models
Research output: Research › peer-review › Journal article – Annual report year: 2013

The importance of spatial models for estimating the strength of density dependence
Research output: Research › peer-review › Journal article – Annual report year: 2014

Localisation of nursery areas based on comparative analyses of the horizontal and vertical distribution patterns of juvenile Baltic cod (Gadus morhua)
Research output: Research › peer-review › Journal article – Annual report year: 2013

Long-term retrospective analysis of mackerel spawning in the North Sea: A new time series and modeling approach to CPR data
Research output: Research › peer-review › Journal article – Annual report year: 2012

Optimization of fisheries resource exploitation in the Skagerrak (Oskar)
Research output: Research › Report – Annual report year: 2012

Spatial age-length key modelling using continuation ratio logits
Research output: Research › peer-review › Journal article – Annual report year: 2012

A statistical discrimination method using sagittal otolith dimensions between sibling species of juvenile cod Gadus morhua and Gadus ogac from the North-West Atlantic
Research output: Research › peer-review › Journal article – Annual report year: 2010

Deriving fish behaviour related patterns in fishing pressure from DST data
Research output: Research › Poster – Annual report year: 2010

Modelling the distribution of fish accounting for spatial correlation and overdispersion
Research output: Research › peer-review › Journal article – Annual report year: 2009

Statistical aspects of heterogeneous population dynamics
Research output: Research › Ph.D. thesis – Annual report year: 2009
How to validate a length-based model of single species fish stock dynamics
Research output: Research - peer-review › Journal article – Annual report year: 2006

Projects:

Fishery and Fisheries Ecosystem Impac Modelling
Project: PhD

Assessment and management of linked stocks (39325)
Project: Research

Advancing linear and non-linear mixed models in engineering science
Project: PhD

New methods and models for population estimates of mussels with the use of GPS data (39088)
Project: Research

A systems approach framework for coastal research and management in the Baltic (BaltCoast) (39201)
Project: Research

Fehmarn Belt science provision project: Fehmarn Belt fish and fisheries and related environmental investigations (38669)
Project: Research

Vectors of change (VECTORS) (38907)
Project: Research

Geographical distribution of fish resources and optimizing of fishery practice in the north-eastern North Sea (RESOURCE) (38878)
Project: Research

Spatially-explicit management methods for North Sea cod – a Danish fishermen-science collaboration (REX, REX II, REX III) (38430, 38431, 38541)
Project: Research

Flatfish nursery grounds (38176)
Project: Research

Activities:

ICES - Workshop on Integrated DATRAS Products - WKIDP (External organisation)
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar