

Academic Activities—Charlotte M. Jones-Todd

Invited Conference Talks and Meetings

A time to kill: Great British serial killers <i>Royal Statistical Society Conference, Glasgow, Scotland</i>	September 5th 2017
Why spatial models are useful in ecology (understanding the mechanics of dots) <i>Statistische Woche, Hamburg, Germany</i>	September 15th 2015
Easy on the eyes: A spatio-temporal analysis of eye movement <i>Royal Statistical Society Conference, Exeter, UK</i>	September 9th 2015
INLA & SPDEs: Using latent Gaussian models to infer the spatial structure inherent in point patterns <i>University of Lisbon, Portugal</i>	April 1st 2015
Using INLA to fit complex spatial models to ecological data <i>University of Lisbon, Portugal</i>	April 1st 2015

Other Conference Talks, Seminars, and Presentations

Shared latent fields for mark-dependence in a log-Gaussian Cox process <i>Australasian Applied Statistics Conference (AASC), Rotorua, NZ</i>	December 4th 2018
Shared latent fields for mark-dependence in a log-Gaussian Cox process <i>International Statistical Ecology Conference (ISEC), St Andrews, Scotland</i>	July 4th 2018
Spatial modelling (INLA and some other stuff) <i>NIWA, Wellington, NZ</i>	March 16th 2018
How spatial modelling works <i>NIWA, Hamilton, NZ</i>	February 20th 2018
Modelling spatio-temporal data <i>CREEM, University of St Andrews, Scotland</i>	September 21st 2016
Modelling unusual spatial structures: An application to colorectal cancer data <i>University of Cape Town, South Africa</i>	July 25th 2016
A spatio-temporal marked point process model <i>International Statistical Ecology Conference (ISEC), Seattle, USA</i>	July 1st 2016
A spatio-temporal multi-species model <i>NCSE summer meeting, Falmouth, UK</i>	June 29th 2015
Terrorism in space and time <i>Spatial Statistics: Emerging Patterns, Avignon, France</i>	June 12th 2015
Spatio-temporal modelling <i>Geo-Environmental Modelling Symposium, University of St Andrews, Scotland</i>	April 30th 2015
Spatial modelling: Its use in predictive policing <i>Workshop on Crime Pattern Analysis and Predictive Policing, Dundee, Scotland</i>	April 28th 2015

INLA & SPDEs: Using latent Gaussian models to infer the spatial structure inherent in point patterns <i>University of Lisbon, Portugal</i>	April 1st 2015
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Using latent Gaussian models to infer the spatial structure inherent in point patterns <i>CREEM, University of St Andrews, Scotland</i>	January 1st 2015
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Spatial / spatio-temporal modelling <i>CREEM, University of St Andrews, Scotland</i>	August 29th 2014
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The use of spatio-temporal models in intelligence-led policing <i>37th Research Students' Conference in Probability and Statistics, Nottingham, UK</i>	April 30th 2014
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Fitting a spatial model to Atlantic salmon fry abundance data, using integrated nested Laplace approximation <i>CREEM, University of St Andrews, Scotland</i>	August 2013

Posters

A Bayesian approach to modelling fine-scale spatial dynamics of non-state terrorism: world study, 2002-2013 <i>International Society for Bayesian Analysis (ISBA) conference</i>	June 13th 2016
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Did "Operation Iraqi Freedom" work? (A joint marked point process modelling approach) <i>Challenges and Perspectives in Modelling the Spatial Dynamics of Conflict and Terrorism, University of St Andrews, Scotland</i>	December 3rd 2015
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Where did all the points go? <i>Spatial Statistics: Emerging Patterns, Avignon, France</i>	June 9th–12th 2015
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The use of spatio-temporal ecological models in predictive policing <i>International Statistical Ecology Conference (ISEC), Montpellier, France</i>	July 1st–4th 2014
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Preventing crime through spatial modelling <i>Scottish Institute for Policing Research Meeting, Edinburgh, Scotland</i>	November 13th 2013

Workshops Attended

What Are The Odds? <i>An Interactive Workshop in Sports Modelling, Exeter, UK</i>	July 7th–8th 2016
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Flexible Programming with BUGS Models (NIMBLE), Seattle, USA	June 27th 2016
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Ecological Survey Spatial Modelling (ESSMod), St Andrews, Scotland	March 21st–22nd 2016
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Software Carpentry, St Andrews, Scotland	June 18th–19th 2015

Teaching

Tutoring at the University of St Andrews

Centre for Academic, Professional and Organisational Development (CAPOD) Course tutor - using R for statistics	2015–2016
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Centre for Academic, Professional and Organisational Development (CAPOD) maths and statistics support	2013–2016
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MT1007 - Statistics in Practice	2014
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MT2004 - Statistics	2014
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MT1002 - Mathematics	2014
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MT5753 - Statistical Modelling	2013
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MT1001 - Introductory Mathematics	2013
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MT1008 - Mathematical Information Technology	2013

Workshops

Statistics and R	November–December 2018
Instructor	
<i>NIWA, Hamilton, NZ</i>	
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Keep going with Git	September 6th 2018
Instructor	
<i>NIWA, Hamilton, NZ</i>	
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Make your R code shiny	May 10th 2018
Instructor	
<i>NIWA, Hamilton, NZ</i>	
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Get going with Git	March 15th 2018
Instructor	
<i>NIWA, Hamilton, NZ</i>	
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Introductory statistics course	August 2nd–5th 2016
Tutor	
<i>The Namibia University of Science and Technology, Namibia</i>	
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Statistics for spatial-temporal data: INLA and SECR	July 27th 2016
Instructor & Demonstrator	
<i>Stellenbosch University, South Africa</i>	
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Challenges and perspectives in modelling the spatial dynamics of conflict and terrorism	December 3rd 2015
Presenter	
<i>University of St Andrews, Scotland</i>	
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Using INLA to fit complex spatial models to ecological data	April 1st 2015
Instructor	
<i>University of Lisbon, Portugal</i>	

Minicourse: The SPDE approach flexible spatial modelling in practice	Dec 3rd 2014
Instructor	
<i>CREEM University of St Andrews, Scotland</i>	
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Using the integrated nested Laplace approximation approach to fit complex ecological models	June 28th 2014
Demonstrator	
<i>International Statistical Ecology Conference (ISEC), Montpellier, France</i>	
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Spatial modelling with INLA workshop	June 2nd – 4th 2014
Demonstrator	
<i>CREEM University of St Andrews, Scotland</i>	

Other

Centre for Academic, Professional and Organisational Development (CAPOD) Dissertation support	2014–2015
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Student Support worker Note-taker and examination scribe/reader	2014–2016
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Centre for Academic, Professional and Organisational Development (CAPOD) Redesign of statistical support website	2013
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School of Mathematics and Statistics	
Undergraduate module marking	2013–2016