ADVANCES IN DATA SCIENCE 2017: POSTERS

Number	Author(s)	Presenting author	Title
1	Omar Costilla Reyes, Krikor Ozanyan and Patricia Scully	Omar Costilla Reyes	Analysis of multimodal human-generated sensor data: A deep learning approach for early detection of dementia
2	Jonathan Cockayne, Chris Oates, Tim Sullivan and Mark Girolami	Jonathan Cockayne	Bayesian Probabilistic Numerical Methods
3	Yordan Raykov, Charles Leech, Emre Ozer and Max Little	Yordan Raykov	Non-invasive real-time occupancy estimation using single PIR motion sensor
4	Seetah Alsalamah and Ross King	Seetah Alsalamah	Arabic Calligraphy Text Recognition
5	Luke Rogerson, Katrin Franke, Andre Maia Chagas, Zhijian Zhao, Philipp Berens and Thomas Euler	Luke Rogerson	Fast Imaging And Probabilistic Reconstruction of Light-Evoked Activity in the Mouse Retina
6	Yingrui Chen, Allan Tucker and Owen Johnson	Yingrui (Rae) Chen	Opening the machine learning black box for healthcare
7	Kamaran Fathulla	Kamaran Fathulla	Towards a richer understanding of Big Data Visualisation
8	Tammo Rukat, Michalis K. Titsias and Christopher Yau	Tammo Rukat	Bayesian Boolean Matrix Factorisation
9	Anna Palczewska, Jan Palczewski and Georgios Aivaliotis	Anna Palczewska	Robust timestamps and privacy preservation for inference from longitudinal data
10	Douglas Kell and Steve O'Hagan	Douglas Kell	Consensus rank orderings of molecular fingerprints illustrate the 'most genuine' similarities between marketed drugs and small endogenous human metabolites, but highlight exogenous natural products as most important 'natural' drug transporter substrates
11	Julie McCann, Din-Houn Lau	Din-Houn Lau	Enhancing Critical Ecosystems
12	Ricardo Silva, Soong Kang, Edoardo Airoldi and Nicolo Colombo	Ricardo Silva	Big Models for Passenger Movement in the London Underground
13	Steven Naylor	Steven Naylor	Use of machine learning based statistical techniques in conjunction with routine held government data to help inform regulatory inspection targeting
14	Armin Eftekhari, Laura Balzano, Michael B. Wakin and Dehui Yang	Armin Eftekhari	SNIPE for Memory-Limited PCA From Incomplete Data: From Failure to Success

15	Andreas Vlachos	Andreas Vlachos	Imitation learning for structured prediction
16	Din-Houn Lau	Din-Houn Lau	Smart Instrumented Bridges
17	Zehui Jin	Zehui Jin	Multiple groups of multivariate time series modelling by regularized VAR with GARCH innovations.
18	Weisi Guo, Samuel Johnson, Xueke Lu, Ian Guymer, Julie McCann, Mirco Musolesi, Ricardo Silva, Richard Gibbens and Alan Wilson	Weisi Guo	Scalable and Adaptable Network Resilience
19	Duncan Smith and Mark Elliot	Duncan Smith	A novel extension of classical record linkage
20	Tatjana Kecojevic	Tatjana Kecojevic	Shiny App: Bootstrap to Comprehend Statistical Significance
21	Steven Squires, Mahesan Niranjan and Adam Prügel-Bennett	Steven Squires	A new objective function for non-negative matrix factorisation using minimum description length
22	Muhammad Adnan and Roy Ruddle	Muhammad Adnan	Visualizing patterns in missing data
23	Alexis Boukouvalas, Luisa Cutillo, Elli Marinopoulou and Magnus Rattray	Alexis Boukouvalas	PyScope: Detecting oscillatory gene networks
24	Abhinav Singh and Mark Humphries	Abhinav Singh	Finding change points in high dimensional responses of neural circuits
25	Rebeccca Mackenzie	Rebecca Mackenzie	Mutual Information Taxonomy of RDKit Descriptors
26	David Mawdsley, Aitor Apaolaza and Caroline Jay	David Mawdsley	Training a tool to recognise behaviour from video
27	Andrew Duncan, Tigran Nagapetyan, Leonard Hasenclever, Lukasz Szpruch, Sebastian Vollmer and Kostas Zygalakis	Sebastian Vollmer	Stochastic Gradient Methods for Sampling
28	Weijian Zhang and Jonathan Deakin	Weijian Zhang	Etymo: An AI-based Discovery Engine for Data Scientists
29	Qudamah Quboa, Brahim Saadouni, Azar Shahgholian and Nikolay Mehandjiev	Qudamah Quboa	Detecting Underwriters Stabilisation Trades: A Clinical Study
30	Reza Salehnejad, Richard Allmendinger, Yu-Wang Chen, Azar Shahgholian, Manhal Ali, Mohaimen Mansur and Paraskevas Yiapanis	Richard Allmendinger	Leveraging Big Data to Understand Drivers of Obesity
31	Manuel López-Ibáñez, Jérémie Dubois-Lacoste, Leslie Pérez Cáceres, Thomas Stützle, Mauro Birattari, Eric Yuan and Prasanna Balaprakash	Manuel López-Ibáñez	Iterated Racing for Hyper-parameter Optimization
32	Louis Ellam, Alan Wilson, Mark Girolami	Louis Ellam	A Stochastic Dynamical Formulation of a Production-Constrained Spatial Interaction Model
33	Max B Zwießele, Luisa Cutillo, Paul Gokhale, Marcelo Rivolta and Marta Milo	Luisa Cutillo	Single-cell doublets detection and Cell Cycle stages prediction in Fluidigm C1 system

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