

Co-organisers:


ICMS 2017
INTERNATIONAL CONFERENCE ON
COMPUTING, MATHEMATICS AND STATISTICS 2017
TRANSCENDING BOUNDARIES, EMBRACING MULTI-DISCIPLINARY DIVERSITIES
7 – 8 November 2017
Adya Ballroom, Adya Hotel, Langkawi Island Malaysia

The 5th Joint International Conference on New Challenges for Statistical Software: The Use of R in Official Statistics (UROS2017) - Asia Pacific

DATE : Nov 7, 2017 (TUESDAY) VENUE : ROOM 1

Paper ID	Title	Presenter	Time
iCMS2017-045	Forecasting Trend-Seasonal Data using Nonparametric Regression with Kernel and Fourier Series Approach	M. Fariz Fadillah Mardianto	09.00 - 09.15
iCMS2017-050	A COMPARATIVE STUDY OF OUTLIER DETECTION METHODS IN POISSON REGRESSION	FATEN NABILA RUSTAM AFFANDY	09.15 - 09.30
iCMS2017-015	Geographical Weighted Regression Analysis for Coastal Community Incomes in Setiu Wetlands	NUR EDAYU BINTI ZAINI	09.30 - 09.45
ICMS2017-043	Forecasting Models for Above-Normal River Flow Pattern	Nur Syazwin Mansor	09.45 - 10.00
iCMS2017-062	The Effect of Awareness Level on Littering Behavior in the Campus: Family Income as Moderator	MAS'UDAH ASMUI	10.00 - 10.15
iCMS2017-053	S-ESTIMATION FOR MULTIVARIATE REGRESSION WITH OULIERS SIMULATION AND APPLICATION	Sri Haryatmi Kartiko	10.15 - 10.30
iCMS2017-044	Stock Price Modeling Using Support Vector Regression (SVR) Model	Herni Utami	10.30 - 10.45
iCMS2017-082	Sampling by Time Period in Mortality Table Construction to Detect Changes in Mortality Trend	Danardono	10.45 - 11.00
iCMS2017-010	Performance of Control Chart based on Exact and Random Process Shifts	You Huay Woon(SESSION CHAIR)	02.00 - 02.15
iCMS2017-028	Structural Breaks in Malaysian Shariah Compliant Indices	Ida-Normaya Mohd Nasir	02.15 - 02.30
iCMS2017-021	Temporal Patterns Analysis of Paddy Production in Sri Lanka	N.B.W.I.Udeshika	02.30 - 02.45
iCMS2017-085	Comparing the influences of monetary versus fiscal policy on the economy: The case of Malaysia	Siti Fatimah Ismail	02.45 - 03.00
iCMS2017-156	Guided Spatial Torrential Rainfall Cluster Patterns Based on a Robust Correlation Measure	Shazlyn Milleana Shaharudin	03.00 - 03.15
iCMS2017-008	Application of Functional Data Analysis in Streamflow Hydrograph	SHARIFFAH SUHAILA S.JAMALUDIN	03.15 - 03.30
iCMS2017-020	Claim Assessment of a Rainfall Runoff Model with Bootstrap	Lloyd Ling (SESSION CHAIR)	03.45 - 04.00
iCMS2017-039	Implementing Correlation Dimension: K means clustering via correlation dimension	Zakiah Kalantan	04.00 - 04.15
iCMS2017-133	On The Markov Chain Monte Carlo Convergence Diagnostic of Bayesian Bernoulli Mixture Regression Model for Bidikmisi Scholarship Classification	Nur Iriawan	04.15 - 04.30
iCMS2017-100	Similarity Measure for Fuzzy Number based on Distances and Geometric Shape Characteristics	Nur Amira Binti Mat Saffie	04.30 - 04.45
iCMS2017-091	The VIKOR Method for Pythagorean Fuzzy Sets and Their Applications	Wan Rosanisah Wan Mohd	04.45 - 05.00

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The 5th Joint International Conference on New Challenges for Statistical Software: The Use of R in Official Statistics (UROS2017) - Asia Pacific

DATE	: Nov 7, 2017 (TUESDAY)		VENUE	: ROOM 2
Paper ID	Title	Presenter	Time	
iCMS2017-072	Efficiency of General Takaful Industry in Malaysia: A Two-Stage Data Envelopment Analysis	Hui Shan Lee(SESSION CHAIR)	09.00 - 09.15	
iCMS2017-124	Improving the Food Manufacturing System by using Simulation and DEA	Noor Fatin Kamarudin	09.15 - 09.30	
iCMS2017-147	The Effect of Imbalanced Ratio to The Imbalanced Datasets	Nurulfitriah Noorhalim	09.30 - 09.45	
iCMS2017-059	Facilitating Statistical Software Using E Guide	NORHASLIZA AHMAD	09.45 - 10.00	
iCMS2017-112	Enhancement of DNA Gel Images	Zarith Sofiah Othman	10.00 - 10.15	
iCMS2017-115	The Effectiveness of Powerpoint in Learning Calculus Using Fuzzing Analytic Hierarchy Process (AHP)	Zarith Sofiah Othman	10.15 - 10.30	
iCMS2017-051	A New Fuzzy Time Series Forecasting Model based on Trapezoidal Fuzzy Numbers and Centre of Gravity Similarity Measure	Nazirah Ramli	10.30 - 10.45	
iCMS2017-084	CLAIM RESERVE ESTIMATION BY GAMMA GENERALIZED LINEAR MODEL	Adhitya Ronnie Effendie	10.45 - 11.00	
iCMS2017-113	Stability analysis of 4-stage stochastic runge-kutta method (SRK4) and Specific stochastic runge-kutta method (SRKS1.5) for stochastic differential equations	Noor Amalina Nisa Ariffin (SESSION CHAIR)	02.00 - 02.15	
iCMS2017-033	Unveiling the Asymmetric Adjustments of Policy Reaction Function in Indonesia	Lavaneesvari Manogaran	02.15 - 02.30	
iCMS2017-083	On Total Edge Irregularity Strength of Some Graphs	Yeni Susanti	02.30 - 02.45	
iCMS2017-074	Energy Dissipation of Free Convection Boundary Layer Flow in a Jeffrey fluid across a Horizontal Circular Cylinder with Suspended Nanoparticles	Syazwani Mohd Zokri	02.45 - 03.00	
iCMS2017-075	Two-Phase Mixed Convection Flow of Dusty Williamson Fluid with Aligned Magnetic Field over a Horizontal Stretching Sheet	Nur Syamilah Bt Arifin	03.00 - 03.15	
iCMS2017-071	Adaptation of persuasive design in designing Multimedia Application for Children Readiness towards Circumcision	NORZILAH MUSA	03.15 - 03.30	

<i>iCMS2017-145</i>	<i>Analyzing the Conceptual Model for Exploratory Testing Framework using PLS-SEM</i>	Murugan Thangiah (SESSION CHAIR)	03.45 - 04.00
<i>iCMS2017-161</i>	<i>An Innovative Way of Addressing the Pilot Test Run Issue in New Product Introduction Using TRIZ</i>	<i>Wei Chien Ng</i>	04.00 - 04.15
<i>iCMS2017-158</i>	<i>Teenage Driving Behavior Modeling Using Deep Learning for Driver Behavior Classification</i>	<i>Rizal Bin Razuwan</i>	04.15 - 04.30
<i>iCMS2017-038</i>	<i>The Influence of Fixed Rhythm Auditory Icon On Food Intake Mimicry</i>	<i>Suzilah Ismail</i>	04.30 - 04.45
<i>iCMS2017-155</i>	<i>A Proposed Conceptual of Derivative Games Based Learning</i>	<i>Aslina Omar</i>	04.45 - 05.00

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The 5th Joint International Conference on New Challenges for Statistical Software: The Use of R in Official Statistics (UROS2017) - Asia Pacific

DATE : Nov 8, 2017 (WEDNESDAY)		VENUE	ROOM 1
Paper ID	Title	Presenter	Time
iCMS2017-040	Machine Learning Using H2O R package: An Application in Bioinformatics	Azian Azamimi Abdullah (SESSION CHAIR)	08.30 - 08.45
iCMS2017-139	Investigation on Distance Measurement for Mixed Variable Clustering	Norin Rahayu Shamsuddin	09.45 - 09.00
iCMS2017-148	BayesRandomForest: An R implementation of Bayesian Random Forest for Regression Analysis of High-dimensional Data	Oyebayo Ridwan Olaniran	09.00 - 09.15
iCMS2017-153	Bayesian Method with Clustering Algorithm for Credit Card Transaction Fraud Detection	Shirlee Ocampo or Luis Jose Santos	09.15 - 09.30
iCMS2017-013	Job Satisfaction among Academic Staff: A Structural Equation Modeling Approach	Haslinda Binti Ab Malek	09.30 - 09.45
iCMS2017-019	Road Fatalities Using Logistic Regression	Isnewati Ab Malek	09.45 - 10.00
iCMS2017-120	Robust Logistic Regression in Application to Divorce Data	Rosa Shafiqah Azureen Mohamad	10.15 - 10.30
iCMS2017-058	Data Analysis Comparison Logit and Probit Regression using Gibbs-Sampler	Subanar	10.30 - 10.45
iCMS2017-078	MODELING OF RISK FOR DIABETES MELLITUS AND HYPERTENSION USING BIRESPONSE PROBIT REGRESSION	Marisa Rifada	10.45 - 11.00
iCMS2017-057	Higher Moments Portfolio on Indonesian Stock Exchange	Abdurakhman	11.00 - 11.15
iCMS2017-099	Examining the Purchasing Power Parity Theory for ASEAN-5 using Panel Data Analysis	Niri Martha Choji	11.15 - 11.30
iCMS2017-041	Abstracting Learning Errors via Cognitive Diagnostic Assessment in Solving Duration of Two Inclusive Dates	Liew-Kee Kor(SESSION CHAIR)	11.45 - 12.00
iCMS2017-076	Microwave Tomography: A Numerical Study of Solving Linear Equations in the Non-linear Inverse Scattering Problem	Latifah Mohamed	12.00 - 12.15
iCMS2017-067	Chaotic Stochastic Lee-Carter Model in Predicting Kijang Emas Price Movements A Machine Learning Approach	Nur Haidar Hanafi	12.15 - 12.30
iCMS2017-110	Modelling Multi-Dimensional Contingency Tables: LASSO and Stepwise Algorithms	Nur Huda Nabihan Binti Md Shahri	12.30 - 12.45
iCMS2017-157	Analysis of Palm Oil and Rubber Production to Gross Domestic Product of Ten Districts in West Kalimantan	Dedi Rosadi	12.45 - 01.00

<i>iCMS2017-103</i>	<i>Hydrological Trend Analysis in Johor</i>	Norazlina Ismail (SESSION CHAIR)	02.00 - 02.15
<i>iCMS2017-152</i>	<i>Dirichlet-Multinomial Estimation of Small Area Proportions of Socio-economic Classes</i>	Shirlee Ocampo	02.15 - 02.30
<i>iCMS2017-104</i>	<i>A Modified Long Memory Model for Modeling Interminable Long-range Dependence Process</i>	Sanusi Alhaji Jibrin	02.30 - 02.45
<i>iCMS2017-111</i>	<i>Bayesian Statistical Modeling: Comparison Between Poisson and Its Zero-Inflated Regression Mode</i>	Muhammad 'Afif Bin Amir Husin	02.45 - 03.00
<i>iCMS2017-143</i>	<i>Relapse cases among drug addict using Logistic regression modeling</i>	Siti Fairus Mokhtar	03.00 - 03.15
<i>iCMS2017-123</i>	<i>Statistic for Outlier Detection in Circular Functional Relationship Model</i>	Mohd Syazwan Mohamad Anuar	03.15 - 03.30
<i>iCMS2017-106</i>	<i>Clustering Based Neural Network Technique in the Case of Heteroscedasticity</i>	Amiru Sule	03.30 - 03.45

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DATE : Nov 8, 2017 (WEDNESDAY) VENUE : ROOM 2

Paper ID	Title	Presenter	Time
iCMS2017-054	One-Step Third-Derivative Block Method with Two Hybrid Points for Solving Non-Linear Dirichlet Second Order Boundary Value Problems	Zurni Omar	08.30 - 08.45
iCMS2017-055	Solving Fourth Order Linear Initial And Boundary Value Problems Using An Implicit Block Method	Zurni Omar	09.45 - 09.00
iCMS2017-056	Generalized Half-Step Hybrid Block for Solving Second Order Ordinary Differential Equations Directly	Zurni Omar	09.00 - 09.15
iCMS2017-063	A CONTINUOUS LINEAR REPRESENTATION from TOPOLOGICAL GROUP into TOPOLOGICAL MODULE SPACE OVER RING	Diah Junia Eksi Palupi	09.15 - 09.30
iCMS2017-047	On Bootstrapping Using Smoothed Bootstrap	Sulafah Binhimd	09.30 - 09.45
iCMS2017-046	A new approach of dimensionality estimation via a local version of a global method.	Zakiah Kalantan	09.45 - 10.00
iCMS2017-109	Numerical Solutions on Boundary Layer of Casson Micropolar Fluid over a Stretching Surface	ABDUL RAHMAN MOHD KASIM (SESSION CHAIR)	10.15 - 10.30
iCMS2017-079	Pricing Asian Option by Solving Black-Scholes PDE Using Gauss-Seidel Method	Koh Wei Sin	10.30 - 10.45
iCMS2017-064	Mixed Convection Boundary Layer Flow on a Solid Sphere in a Viscoelastic Micropolar Fluid	LAILA AMERA AZIZ	10.45 - 11.00
iCMS2017-119	Global Stability Analysis of Cervical Cancer Model	Lina Aryati, Tri Sri Noor Asih	11.00 - 11.15
iCMS2017-032	FRDTM FOR THE NUMERICAL SOLUTION OF LINEAR AND NONLINEAR KOLMOGROV-PETROVSKII-PISKUNOV EQUATIONS	Tariq Saeed	11.15 - 11.30
iCMS2017-003	A promising method to approximate fractional derivatives under uncertainty	Ali Ahmadian(SESSION CHAIR)	11.45 - 12.00
iCMS2017-150	Reinforcement learning for computing power grid network operating functions	Shivam Sharma, Pinki Gupta	12.00 - 12.15
iCMS2017-149	Stability Analysis of Explicit and Semi-Implicit Euler Methods for Solving Stochastic Delay Differential Equations	Norhayati Rosli	12.15 - 12.30
iCMS2017-027	A Markov Chain Model for Diabetes Mellitus Patients	Muhammad Rozi Malim	12.30 - 12.45
iCMS2017-022	Topological Properties of Flat Electroencephalography	Tan Lit Ken	12.45 - 01.00

<i>iCMS2017-142</i>	<i>The Trends of Age and Gender Specific Mortality Rates by Ethnic Groups</i>	<i>Saiful Azril and Syazreen</i>	02.00 - 02.15
<i>iCMS2017-135</i>	<i>Modeling the fair market price of Sukuk Mudharabah using monte carlo simulation approach</i>	<i>Dedi Rosadi</i>	02.15 - 02.30
<i>iCMS2017-080</i>	<i>Estimation of Children Growth Chart Using Multi-response Penalized Spline Estimator for Assessing Nutritional Status</i>	<i>Nur Chamidah</i>	02.30 - 02.45
<i>iCMS2017-137</i>	<i>Efficiency of Fishery Production in Malaysia using Data Envelopment Analysis</i>	<i>Anis Atiqah Abdul Rais</i>	02.45 - 03.00
<i>iCMS2017-146</i>	<i>Bayesian Random Forest for the Classification of High-dimensional mRNA Cancer Samples</i>	<i>Oyebayo Ridwan Olaniran</i>	03.00 - 03.15
<i>iCMS2017-108</i>	<i>Queue Analysis at Toll Plazas (Inbound): A Basic Model for Traffic Systems</i>	<i>Khairani Abd. Majid</i>	03.15 - 03.30
<i>iCMS2017-107</i>	<i>A model on effects of vertical Transmission and optimal control on the spread of SIV/HIV</i>	<i>Amiru Sule</i>	03.30 - 03.45

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The 5th Joint International Conference on New Challenges for Statistical Software: The Use of R in Official Statistics (UROS2017) - Asia Pacific

DATE : Nov 8, 2017 (WEDNESDAY)

VENUE : ROOM 3

Paper ID	Title	Presenter	Time
iCMS2017-154	Automated Partitioning Application Using Synthesis Approach Expedite on Pipelining	Khairulnizam Othman (SESSION CHAIR)	08.30 - 08.45
iCMS2017-081	A Review on Big Data Challenges and Analytics over Medical Data	K. Kamakshaiah	09.45 - 09.00
iCMS2017-114	Finger Vein Identification Based on Maximum Curvature Directional Feature Extraction	Yuhanim Hani Yahaya	09.00 - 09.15
iCMS2017-116	Sport suitability prediction based on physical fitness components using k-Nearest Neighbors algorithm	M. N. F. Jamaluddin	09.15 - 09.30
iCMS2017-128	Determining Influential Household Routines for Domestic Water Consumption Estimation via Genetic Algorithm	Nurul Nadia Hani	09.30 - 09.45
iCMS2017-127	Blood Vessels Segmentation of Retinal Fundus Image via Object-Oriented Stack-Based Region Growing	Ahmad Firdaus Ahmad Fadzil	09.45 - 10.00
iCMS2017-144	Factors affecting Software Quality in Small and Medium Enterprises practicing Agile Development	Murugan Thangiah (SESSION CHAIR)	10.15 - 10.30
iCMS2017-130	A Comprehensive Performance Assessment on Open Source Intrusion Detection System	Fuad Mat Isa	10.30 - 10.45
iCMS2017-141	Wireless Mobile Ad-Hoc Network (MANET) Routing Protocols: A Performance Assessment	Mohamad Asrol Arshad	10.45 - 11.00
iCMS2017-007	Mathematical Modelling of Bank Financial Management in Malaysia with Goal Programming Approach	Chen Jia Wai	11.00 - 11.15
iCMS2017-117	Multimedia Data Archive Application in Cloud Environment	Syarilla Iryani A Saany	11.15 - 11.30
iCMS2017-090	Similarity Measures of Intuitionistic Fuzzy Sets for Cancer Diagnosis: A comparative analysis	Lazim Abdullah (SESSION CHAIR)	11.45 - 12.00
iCMS2017-073	Thalas Test Android Application	Iliana Mohd Ali	12.00 - 12.15
iCMS2017-016	Mobile Information Behavior	Zuraidah Arif	12.15 - 12.30
iCMS2017-026	Factors Affecting Entrepreneurial Intention among IKN Students	Faridah Abdul Halim	12.30 - 12.45
iCMS2017-160	Implementing Active Thermal Control Process (ATCP) with PVM using Input file Affinity Measure	Ewedefa Simon	12.45 - 01.00