

PROGRAMME

ECDA 2017

EUROPEAN CONFERENCE ON DATA ANALYSIS

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Finance Management Institute



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Date: Tuesday, 26/Sep/2017				
8:00pm	Get-together Location: Stary Klasztor			
Date: Wednesday, 27/Sep/2017				
8:00am ▽ 9:00am	Registration Location: hall of CKU building			
9:00am ▽ 10:00am	Opening Ceremony Location: 1 CKU			
	Distance Analysis of Football Player Performance Data Serhat Emre Akhanli¹, Christian Hennig² 1: University College London, United Kingdom; 2: University College London, United Kingdom			
10:00am ▽ 10:45am	P1: Plenary 1 Location: 1 CKU Chair: Józef Pociecha			
	Ensemble methods in classification and clustering Berthold Lausen University of Essex, United Kingdom			
10:45am ▽ 11:15am	Coffee break Location: CKU lobby			
11:15am ▽ 12:30pm	CL 1: Clustering 1 Location: 110 CKU Chair: Christian Hennig Aggregation of clustering validation indexes Serhat Emre Akhanli¹, Christian Hennig² 1: University College London, United Kingdom; 2: University College London, United Kingdom About the influence of multiple points of bootstrapping on the validation of clustering results Hans-Joachim Mucha WIAS, Germany Symmetry-based Graph Clustering Partition Stability Fabian Ball, Andreas Geyer-Schulz Karlsruhe Institute of Technology, Germany	DAiE 1: Data Analysis in Economics 1 Location: 204 CKU Chair: Iwona Anna Forys Analysis of housing needs of ageing population in Poland Iwona Anna Forys¹, Barbara Batóg University of Szczecin, Poland Are there bubbles in the price development of the German housing market? Thomas Mayer, Matthias Gehrke FOM University of Applied Sciences, Germany The influence of an imputation type on the classification of entities in the study of barriers to the real estate popularity in Poland Iwona Anna Forys¹, Magdalena Mojsiewicz¹, Mirosław Górski² 1: University of Szczecin, Poland; 2: Law and Tax Office, Bydgoszcz, Poland	DAiF 1: Data Analysis in Finance 1 Location: 109 CKU Chair: Józef Pociecha Evaluation of the suitability financial indicators for corporate bankruptcy prediction depending on their size Barbara Pawełek, Józef Pociecha, Mateusz Baryła Cracow University of Economics, Poland Forecasting Recoveries in Debt Collection Johannes Kriebel¹, Kevin Yam² 1: University of Muenster; 2: Seghorn AG, University of Marburg Application of the vertical modelling with a cured fraction to credit risk analysis Ewa Wycinka, Tomasz Jurkiewicz University of Gdansk, Poland	DAiM 1: Data Analysis in Marketing 1 Location: 108 CKU Chair: Daniel Baier Measuring the Acceptance of Mobile Augmented Reality Apps: Surveys and Text Mining Approaches Compared Daniel Baier¹, Alexandra Rese¹, Reinhard Kunz¹, Joschka Mütterlein² 1: University of Bayreuth, Germany; 2: Ludwig-Maximilian-University of Munich, Germany Adapting the Hype of Cat Videos: An Audiovisual Incentive to Improve Validity during Choice-Based Conjoint Analysis for Complex Products Vera Wessolek, Jürgen Eimecke, Daniel Baier Chair of Innovation and Dialogue Marketing, Faculty of Law and Economics, University of Bayreuth, Germany The purchase behaviour of consumers 60+ in the aspect of a technological product: comparative empirical research in Poland and Slovenia Krzysztof Najman, Kamila Migdał-Najman, Sylwia Badowska Uniwersytet Gdański, Poland

	<p>DAiRS 1: Data Analysis in Regional Studies 1 Location: 111CKU Chair: Elżbieta Maria Gołata</p> <p>Assessment of changes in population aging in regions of the V4 countries using multidimensional scaling combined with linear ordering and the Theil index Elżbieta Gołata¹, Marek Walesiak², Grażyna Dehnel¹ 1: Poznań University of Economics and Business, Poland; 2: Wrocław University of Economics</p> <p>An analysis of the research and development intensity within sectors of European Union with application of symbolic data analysis Elżbieta Sobczak, Marcin Pełka Wrocław University of Economics, Poland</p> <p>Study of the stability of EU countries grouping on the basis of the sustainable development level Dorota Rozmus University of Economics in Katowice, Poland</p>	<p>DAS 1: Data Analysis and Statistics 1 Location: 203 CKU Chair: Fionn Murtagh</p> <p>Resolution Scale in Survey Analysis of Digital Security Risk Fionn Murtagh University of Huddersfield, United Kingdom</p> <p>Online Linear Discriminant Analysis for Data Streams with Concept Drift Sarah Schnackenberg, Uwe Ligges, Claus Weihs TU Dortmund University, Germany</p> <p>Robust and sparse estimation methods for high dimensional linear and logistic regression Fatma Sevinc Kurnaz¹, Irene Hoffmann², Peter Filzmoser² 1: Yildiz Technical University, Turkey; 2: Vienna University of Technology</p>	<p>LIS: The Workshop on Library and Information Science Location: 202 CKU Chair: Frank Scholze</p> <p>Automatic Assignment of LCSH Christian Wartena¹, Michael Franke-Maier² 1: Hochschule Hannover, Germany; 2: Freie Universität Berlin, Universitätsbibliothek</p> <p>Hybrid approach combining statistical and rule-based models for the automated indexing of bibliographic metadata in the area of planning and building construction Dimitri Busch Fraunhofer Information Center for Planning and Building IRB, Germany</p> <p>Bibliographic Report 2016 : A choice of relevant classification literature / Online Report #3 * 2016/2017 : A choice of nice web-features for subject cataloguing Michael Franke-Maier Freie Universität Berlin, Germany</p>	
<p>12:30pm ▽ 2:00pm</p>	<p>Lunch Location: CKU lobby</p>			
<p>2:00pm ▽ 2:45pm</p>	<p>P 2: Plenary 2 Location: 1 CKU Chair: Hans-Hermann Bock</p> <p>Will Big Data affect opinion polls? Mirosław Szreder University of Gdańsk, Poland</p>			
<p>2:45pm ▽ 3:15pm</p>	<p>Coffee break Location: CKU lobby</p>			
<p>3:00pm ▽ 4:30pm</p>	<p>Mitgliederversammlung der Gesellschaft fuer Klassifikation (GfKl) Data Science Society (Annual General Meeting of GfKl) Location: 27 CKU</p>			
<p>3:15pm ▽ 4:30pm</p>	<p>DAiE 2: Data Analysis in Economics 2 Location: 204 CKU Chair: Andrzej Dudek</p> <p>Model Selection Problem in Price Indexes Based on Hedonic Methods Anna Król Wrocław University of Economics, Poland</p> <p>Measuring Price Changes for Household Appliances: A</p>	<p>DAiF 2: Data Analysis in Finance 2 Location: 109 CKU Chair: Krzysztof Piontek</p> <p>Systemic risk measurement: chosen approaches for CoVaR estimating Krzysztof Piontek, Katarzyna Kuziak Wrocław University of Economics, Poland</p> <p>Real-time forecasts of the macroeconomic indicators;</p>	<p>DAS 2: Data Analysis and Statistics 2 Location: 203 CKU Chair: Andrzej Sokołowski</p> <p>The Sample Size and Error Rates in Multiple Testing Czesław Domański, Parys Dariusz UNIVERSITY OF LODZ, Poland</p> <p>Linear Trend Estimation in Dynamic Principal Component Analysis Andrzej Sokołowski¹, Małgorzata</p>	<p>OS 1: Challenges in the measurement of economic risk Location: 110 CKU Chair: Grażyna Trzpiot</p> <p>Quantile and expectile regression in risk measurement Grażyna Trzpiot University of Economics in Katowice, Poland</p> <p>Identification of common mortality trends in Europe</p>

<p>Hedonic Approach Anna Król, Marta Targaszewska Wrocław University of Economics, Poland</p> <hr/> <p>The applications of dynamic relative taxonomy methods to assess the efficiency of Japanese corporations strategies Katarzyna Cheba West Pomeranian University of Technology in Szczecin, Poland</p> <hr/> <p>OS 2: Socio-Economic Analysis Location: 202 CKU Chair: Józef Dziechciarz</p> <hr/> <p>Evaluation of the effectiveness of activities for the benefit of persons in the non-mobile age in the European Union countries Dorota Kwiatkowska-Ciotucha, Urszula Załuska Wrocław University of Economics, Poland</p> <hr/> <p>Professional burnout – comparative analysis of the phenomenon on the basis of studies of medical staff, education and higher education Magdalena Ślęzyk-Sobol¹, Dorota Kwiatkowska-Ciotucha², Urszula Załuska² 1: University of Wrocław, Poland; 2: Wrocław University of Economics, Poland</p> <hr/> <p>Moderated Mediation Analysis Methods in Socio-Economic Research Cyprian Kozyra Wrocław University of Economics, Poland</p>	<p>MIDAS model approach Anna Zamojska¹, Anna Golab² 1: University of Gdansk, Poland; 2: Edith Cowan University, Australia</p> <hr/> <p>Analysis of the functional form of the real estate market value model Anita Makowska, Piotr Ciegieński Wrocław University of Economics, Poland</p>	<p>Markowska², Agnieszka Rygiel¹ 1: Cracow University of Economics, Poland; 2: Wrocław University of Economics</p> <hr/> <p>A two-sample test based on cluster subspaces for equality of mean vectors in high dimension Łukasz Smaga Adam Mickiewicz University, Poland</p>	<p>using multi-population models Justyna Majewska University of Economics in Katowice, Poland</p> <hr/> <p>Robust VaR estimation with negative values of electric energy prices Alicja Ganczarek-Gamrot University of Economics in Katowice, Poland</p>
<p>7:00pm Welcome Reception Location: the Wrocław Fountain – Pergola Restaurant</p>			

<p>Date: Thursday, 28/Sep/2017</p>				
<p>9:00am ▽ 9:45am</p>	<p>SP 1: Semiplenary 1 Location: 1 CKU Chair: Berthold Lausen</p> <hr/> <p>Cluster analysis as a field of big data analysis Andrzej Dudek Wrocław University of Economics, Poland</p>	<p>SP 2: Semiplenary 2 Location: 27 CKU Chair: Maurizio Vichi</p> <hr/> <p>Deep Gaussian Mixture Models Cinzia Viroli University of Bologna, Italy</p>		
<p>9:45am ▽ 11:00am</p>	<p>DAiE 3: Data Analysis in Economics 3 Location: 204 CKU Chair: Jacek Batóg</p> <hr/> <p>Short Term Forecasting for Electricity Demand in Egypt using Artificial Neural Networks Mohamed A. Ismail, Alyaa R. Zahran, Eman Mahmoud</p>	<p>DAiF 3: Data Analysis in Finance 3 Location: 109 CKU Chair: Joanna Olbrys</p> <hr/> <p>Is model risk worth worrying about? Empirical model risk quantification in the case of bonus certificates Rainer Baule, David Sebastian Shkel</p>	<p>DAiID: Data Analysis in Interdisciplinary Domains Location: 205 CKU Chair: Krzysztof Najman</p> <hr/> <p>Building a Connection Between Decision Maker and Data-Driven Decision Process Felix Kruse, Viktor Dmitriyev, Jorge Marx Gómez</p>	<p>DAiM 2: Data Analysis in Marketing 2 Location: 108 CKU Chair: Andreas Geyer-Schulz</p> <hr/> <p>Analyzing Photos, Comments, and Likes in Social Networks: The Effect of Body Positive Marketing on Customer Engagement</p>

	<p>Abdelmetaal Mohamed Faculty of economics and political science, Cairo University, Egypt</p> <p>Some methods of electricity price jump detection Jadwiga Kostrzewska, Maciej Kostrzewski Cracow University of Economics, Poland</p> <p>Business Cycles Synchronization in the EU: Time Series Clustering Barbara Batóg, Jacek Batóg University of Szczecin, Poland</p>	<p>University of Hagen, Germany</p> <p>Investigation of daily net cash flows time series statistical properties Aleksandra Szpulak¹, Tomasz Michael² 1: Wrocław University of Economics, Poland; 2: University of Opole, Poland</p> <p>Evaluating trade side classification algorithms using intraday data on the Warsaw Stock Exchange Joanna Olbryś, Michał Mursztyn Białystok University of Technology, Poland</p>	<p>University of Oldenburg, Germany</p> <p>A new clustering method for building multiple supertrees using k-means Nadia Tahiri, Vladimir Makarenkov Université du Québec à Montréal, Canada</p> <p>Samples of the questions in survey analysed by adequate data mining tools Renata Benda Prokeinova, Martina Hanova, Johana Paluchova Slovak University of Agriculture in Nitra, Slovak Republic</p>	<p>Alexandra Rese, Orgeldinger Amelie, Baier Daniel University of Bayreuth, Germany</p> <p>Improving the First Impression of an Online Scientific Publishing Service: A Usability Test Victoria-Anne Schweigert, Andreas Geyer-Schulz Karlsruhe Institute of Technology (KIT), Germany</p> <p>Measuring Brand Image in the Digital Era: Gaining Insights from the Instagram Social Network Jan Klostermann, Anja Plumeyer, Reinhold Decker Bielefeld University, Germany</p>
	<p>DAiRS 2: Data Analysis in Regional Studies 2 Location: 111CKU Chair: Grażyna Dehnel</p> <p>Application of GWR model in the analysis of female unemployment in Poland Karolina Lewandowska-Gwarda University of Lodz, Poland</p> <p>Healthcare efficiency in EU NUTS 2 regions - spatial DEA approach Agata Joanna Żóttaszek, Alicja Olejnik University of Lodz, Poland</p> <p>Spatial DEA analysis of regional innovation efficiency in EU NUTS 2 Alicja Olejnik, Agata Żóttaszek Uniwersytet Łódzki, Poland</p>	<p>DAS 3: Data Analysis and Statistics 3 Location: 203 CKU Chair: Claus Weihs</p> <p>Implementation and validation of Errors-in-Variables Regression analyzing sequential Process Chains in R. Oliver Meyer, Claus Weihs TU Dortmund University, Germany</p> <p>A constrained regression model for an ordinal response with ordinal predictors. Javier Espinosa^{1,2}, Christian Hennig¹ 1: Department of Statistical Science, University College London, United Kingdom.; 2: Department of Administration, USACH (UdeSantiago Chile).</p> <p>Generalized canonical correlation for multivariate functional data Tomasz Górecki, Waldemar Wołyński Adam Mickiewicz University, Poland</p>	<p>ML 1: Machine Learning 1 Location: 202 CKU Chair: Eyke Hüllermeier</p> <p>Deep Preference Learning: A General Framework for Context-Dependent Ranking Karlson Pfannschmidt, Pritha Gupta, Eyke Hüllermeier Paderborn University, Germany</p> <p>Human Learning vs. Machine Learning Gero Szepannek Stralsund University of Applied Sciences, Germany</p> <p>Weighted Sampling in Random forests Amirah Saeed Alharthi, Charles C Taylor, Jochen Voss University of Leeds, United Kingdom</p>	
11:00am ▽ 11:30am	<p>Coffee break Location: CKU lobby</p>			
11:30am ▽ 12:45pm	<p>CL 2: Clustering 2 Location: 110 CKU Chair: Christian Hennig</p> <p>Estimation of number of clusters and finding best clustering solutions simultaneously Fatima Batool, Christian Hennig University College London, United Kingdom</p>	<p>DAiE 4: Data Analysis in Economics 4 Location: 204 CKU Chair: Adalbert Wilhelm</p> <p>Identifying Chinese and US foreign direct investment patterns in Africa Adalbert Wilhelm¹, Sanne van der Lugt², Marco Sanfilippo³,</p>	<p>DAiF 4: Data Analysis in Finance 4 Location: 109 CKU Chair: Pawel Andrzej Rokita</p> <p>Determining delta coefficient for short-term binary cash-or-nothing options and limitations of its use Pawel Andrzej Rokita, Radosław Andrzej Pietrzyk</p>	<p>DAiM 3: Data Analysis in Marketing 3 Location: 108 CKU Chair: Reinhold Decker</p> <p>Conjoint vs model-based conjoint - comparative analysis Adam Sagan¹, Justyna Brzezińska², Aneta Rybicka³</p>

<p>The reverse clustering paradigm: some fundamental interpretations illustrated Jan W. Owsiański, Karol Opara, Jarosław Stańczak, Sławomir Zadrożny Systems Research Institute, Polish Academy of Sciences, Poland</p> <p>New robust classifier for functional data in analysis of the Internet users' behaviour Jerzy P. Rydlewski¹, Daniel Kosiorowski², Dominik Mielczarek¹ 1: AGH University of Science and Technology, Krakow, Poland; 2: Cracow University of Economics, Poland</p>	<p>Guido Moellering⁴ 1: Jacobs University, Germany; 2: Bremen Graduate School of Social Sciences (BIGSSS), Germany; 3: University of Antwerp, Belgium; 4: Universität Witten-Herdecke, Germany</p> <p>Study of confidence in financial and public institutions in selected European Union countries Joanna Trześciok University of Economics in Katowice, Poland</p> <p>Application of Data Envelopment Analysis in Evaluation of Technical Efficiency of Regional Cultural Institutions in Poland. Adam Mateusz Suchecki University of Lodz, Poland</p>	<p>Wroclaw University of Economics, Poland</p> <p>Analyzing and Testing the Triangular Arbitrage Parity Julia Reynolds¹, Leopold Sögner², Martin Wagner³, Dominik Wied⁴ 1: Vienna Graduate School of Finance; 2: Institute for Advanced Studies, Austria; 3: TU Dortmund; 4: University of Cologne</p> <p>The analysis of systemic risk measured with various models in selected countries of the Central and West Europe in the years 2006-2015 and its affinity to macroeconomic conditions Marta Anita Karas¹, Witold Szczepaniak² 1: Wrocław University of Economics, Poland; 2: Wrocław University of Economics, Poland</p>	<p>1: Cracow University of Economics, Poland; 2: University of Economics in Katowice, Poland; 3: Wrocław University of Economics, Poland</p> <p>Applying a Two-Sided Empirical Approach in the Context of Patient-Centered Care: Pharma Related Perspectives vs. Patient Preferences Matthias J. Kaiser, Isabella Queissner, Bastian Pflug University of Bayreuth, Germany</p> <p>Choice Based Conjoint and NeuroPricing Peter Kurz¹, Nathalie Liegel², Kai Markus Müller², Maximilian Rausch¹ 1: Kantar TNS, Germany; 2: The Neuromarketing Labs</p>
<p>DAS 4: Data Analysis and Statistics 4 Location: 203 CKU Chair: Salvatore Ingrassia</p> <p>Total sum of squares decomposition for mixtures of regressions Salvatore Ingrassia, Antonio Punzo Department of Economics and Business, University of Catania, Italy</p> <p>Multilevel typologies: Classic and symbolic data approaches José G. Dias ISCTE - IUL, Portugal</p> <p>Model based clustering of three-way data via pair-copula mixture models Marta Nai Ruscone LIUC Università Carlo Cattaneo, Italy</p>	<p>ML 2: Machine Learning 2 Location: 202 CKU Chair: Helene Dörksen</p> <p>Margin-based Refinement for Linear Discriminant Analysis Helene Dörksen, Volker Lohweg Institute Industrial IT, Germany</p> <p>Depth-weighted Bayes classification Ondrej Vencalek¹, Oleksii Pokotylo² 1: Palacky University in Olomouc, Czech Republic; 2: University of Cologne, Germany</p> <p>Feature weighting vs. selection in the ensemble of 1-NN classifiers Mariusz Kubus Opole University of Technology, Poland</p>	<p>OS 3: Statistical challenges in the anti-fraud analysis of Customs data Location: 111CKU Chair: Winfried Kleinegris</p> <p>Fraud detection in customs data through the Newcomb-Benford Law Andrea Cerioli¹, Andrea Cerasa², Domenico Perrotta², Lucio Barabesi³, Mario Menegatti¹ 1: University of Parma, Italy; 2: Joint Research Centre of the European Commission; 3: University of Siena, Italy</p> <p>Identification of fraudulent behaviours in international trade on the basis of quantile regression in automated customs risk assessment and management systems Tomasz Szkutnik^{1,2} 1: University of Economics in Katowice, Poland; 2: Strategic Analyses Center, Revenue Administration Regional Office in Katowice</p>	
		<p>Profiling goods making illogical detours in the EU Lore Cloots¹, Kristof Engelen², Sébastien Beaudoint¹, Jozef De Sloover³ 1: FPS Finance, Customs & Excise, Datamining; 2: FPS Finance, General Administration of Taxes, E-Audit; 3: FPS Finance, Customs & Excise, Inquiry and Investigations; Belgium</p>	

					<p>Robust mixture of regressions estimation via trimming and constraints</p> <p>Andrea Cerioli¹, Luis Angel Garcia-Escudero², Agustin Mayo – Iscar², Domenico Perrotta³, Marco Riani¹, Francesca Torti³</p> <p>1: University of Parma; 2: University of Valladolid; 3: European Commission, Joint Research Centre</p>
12:45pm ▽ 2:15pm	<p>Lunch Location: CKU lobby</p>				
3:00pm	<p>City Tour Location: Market Square</p>				
7:00pm	<p>Gala Dinner Location: Wrocław Town Hall</p>				
<p>Date: Friday, 29/Sep/2017</p>					
9:00am ▽ 9:45am	<p>SP 3: Semiplenary 3 Location: 1 CKU Chair: Józef Dziechciarz</p>		<p>SP 4: Semiplenary 4 Location: 27 CKU Chair: Andrzej Sokołowski</p>		
	<p>Are there clusters in financial assets volatility spillovers? Sławomir Śmiech, Monika Papież Cracow University of Economics, Poland</p>		<p>Challenges and opportunities of big data for official statistics in Poland Dominik Rozkrut Central Statistical Office, Poland</p>		
9:45am ▽ 11:00am	<p>CL 3: Clustering 3 Location: 110 CKU Chair: Ana Sousa Ferreira</p> <p>Comparing Supervised Classification Models Ana Sousa Ferreira¹, Anabela de Fátima Marques² 1: Faculdade de Psicologia, Universidade de Lisboa, Portugal; 2: Escola Superior de Tecnologia do Barreiro, Instituto Politécnico de Setúbal, Portugal</p> <p>On influence of clustering population on accuracy of vector mean estimator Janusz Leszek Wywiół, Grzegorz Sitek University of Economics in Katowice Poland</p> <p>The number of clusters in hybrid predictive models: does it really matter? Mariusz Łapczyński¹, Bartłomiej Jefmański² 1: Cracow University of Economics, Poland; 2: Wrocław University of Economics, Poland</p> <p>DAiRS 3: Data Analysis in Regional Studies 3 Location: 111CKU Chair: Jacek Henryk Białek</p>	<p>DAiB: Data Analysis in Biostatistics Location: 108 CKU Chair: Berthold Lausen</p> <p>Classification of microorganisms based on 16S rRNA sequences Rafał Piotr Kulakowski, Etienne Low-Decarie, Berthold Lausen University of Essex, United Kingdom</p> <p>Building explicit hybridization networks using the maximum likelihood and neighbor-joining approaches Matthieu Willems, Nadia Tahiri, Vladimir Makarenkov Université du Québec à Montréal, Canada</p> <p>ONKOSYS - “A Comprehensive IT Platform for Cancer Research” Magdalena Chechlińska¹, Mariusz Adam Dzieciatko² 1: Cancer Centre and Institute of Oncology, Poland; 2: SAS Institute, Poland</p> <p>DAS 5: Data Analysis and Statistics 5 Location: 203 CKU Chair: Andreas Geyer-Schulz</p>	<p>DAIE 5: Data Analysis in Economics 5 Location: 204 CKU Chair: Karsten Lübke</p> <p>Subjective financial well-being – an explorative analysis Thomas Christiaans, Karsten Lübke, Julia Richenhagen FOM, Germany</p> <p>DMAIC - Structure for Industrial Data Analysis: A Lithium-Ion-Battery Production Example Claus Weihs¹, Oliver Meyer², Sarah Schnackenberg³ 1: TU Dortmund University, Germany; 2: TU Dortmund University, Germany; 3: TU Dortmund University, Germany</p> <p>ML 3: Machine Learning 3 Location: 202 CKU Chair: Eyke Hüllermeier</p>	<p>DAIF 5: Data Analysis in Finance 5 Location: 109 CKU Chair: Carlos Cuevas-Covarrubias</p> <p>Gaussian Mixtures and Financial Returns Carlos Cuevas-Covarrubias¹, Jorge Íñigo-Martínez², Raquel Jiménez-Padilla³ 1: Anahuac University, Mexico, Mexico; 2: Anahuac University, Mexico, Mexico; 3: Anahuac University, Mexico, Mexico</p> <p>Minimum Distance estimation for ROC Curves Carlos Cuevas-Covarrubias Anahuac University, Mexico, Mexico</p> <p>Corporate Performance and Capital Structure: evidence from Poland Ewa Majerowska, Magdalena Gostkowska-Drzewicka University of Gdansk, Poland</p>	

	<p>Higher education effects on regional growth in Poland: panel data estimates Victor Shevchuk, Joanna Żyra Cracow University of Technology, Poland</p>	<p>On the General Least Squares Solution in the Context of Conjoint Analysis Andreas Geyer-Schulz, Fabian Ball KIT, Germany</p>	<p>On structure optimization for nested dichotomies Vitalik Melnikov, Eyke Hüllermeier Paderborn University, Germany</p>
	<p>Composite indicator at variable geometry in cohesion analysis Marta Ewa Kuc¹, Andrea Saltelli² 1: Gdansk University of Technology, Poland; 2: University of Bergen, Norway. Universitat Autònoma de Barcelona, Spain</p>	<p>Comparison of priority estimation methods in the Analytic Hierarchy Process using AHPmethod R package Tomasz Bartłomowicz Wrocław University of Economics, Poland</p>	<p>Hyperparameter Optimization Across Problem Tasks Nicolas Schilling, Torben Windler, Lars Schmidt-Thieme University of Hildesheim, Germany</p>
	<p>How to measure the innovativeness growth of a group of countries on the time interval? Jacek Henryk Białek, Elżbieta Roszko-Wójtowicz University of Łódź, Poland.</p>	<p>Poisson regression for symbolic interval-valued data Marcin Pełka Wrocław University of Economics, Poland</p>	<p>Support vector based method for instance selection Michał Trzęsiok University of Economics in Katowice, Poland</p>
<p>11:00am ▾ 11:30am</p>	<p>Coffee break Location: CKU lobby</p>		
<p>11:30am ▾ 12:15pm</p>	<p>P 3: Plenary 3 Location: 1 CKU Chair: Berthold Lausen</p> <p>Using model-based clustering for clustering data that doesn't follow the model, and the number of clusters Christian Hennig University College London, United Kingdom</p> <p>Closing of the Conference</p>		
<p>12:15pm ▾ 1:45pm</p>	<p>Lunch Box (in case of earlier departure ask for the lunch box in reception) Location: CKU lobby</p>		