

CONTENTS

Preface	10
<i>Jan Acedański</i>	
Overlapping generation models with housing: impact of the key parameters on the models' outcomes	11
<i>Adam P. Balcerzak, Michał Bernard Pietrzak</i>	
Digital economy in Polish regions. Proposal of measurement via TOPSIS with generalized distance measure GDM	21
<i>Jacek Bialek</i>	
Generalization of the geo-logarithmic price index family	29
<i>Justyna Brzezińska</i>	
Multivariate statistical analysis of information society in Poland	37
<i>Marek A. Dąbrowski, Monika Papież, Sławomir Śmiech</i>	
A statistically-based classification of de facto exchange rate regimes	47
<i>Marek A. Dąbrowski, Justyna Wróblewska</i>	
Insulating property of the exchange rate regime in Central and Eastern European countries ...	57
<i>Grażyna Dehnel</i>	
GREG estimation with reciprocal transformation for a Polish business survey	67
<i>Karol Flisikowski</i>	
A spatio-temporal approach to intersectoral labour and wage mobility	76
<i>Katarzyna Frodyma</i>	
The analysis of changes in the distribution of renewable energy consumption in the EU countries	84
<i>Sergiusz Herman</i>	
Industry specifics of joint-stock companies in Poland and their bankruptcy prediction	93
<i>Roman Huptas</i>	
Forecasting intraday traded volume with the Weibull ACV model: an application to Polish stocks	103
<i>Alina Jędrzejczak, Dorota Pekasiewicz</i>	
Analysis of the properties of selected inequality measures based on quantiles with the application to the Polish income data	113
<i>Pavla Jindrová, Lucie Kopecka</i>	
Assessment of risk factors of serious diseases in OECD countries	123

<i>Lucie Kopecka, Pavla Jindrová</i>	
Comparison of mortality due to critical illnesses in the EU countries	133
<i>Daniel Kosiorowski, Dominik Mielczarek, Jerzy P. Rydlewski</i>	
SVM classifiers for functional data in monitoring of the Internet users behaviour	143
<i>Daniel Kosiorowski, Ewa Szlachtowska</i>	
K-local median algorithm for functional data in empirical analysis of air pollution data	153
<i>Eva Kotlebová, Erik Šoltés</i>	
Bayesian estimation of proportions in the analysis of unavailability of health care in Slovakia	163
<i>Natalya V. Kovtun, Zinaida O. Palian, Igor M. Motyzuk</i>	
Statistical analysis of trends and factors in cancer incidence of Ukrainian women in reproductive age	173
<i>Marta Kuc</i>	
Spatial differences in sustainable development components in Nordic regions	183
<i>Tomasz Kuszewski, Agata Sielska</i>	
Source of data as a determinant of the assessment of agricultural producers' financial situation	193
<i>Łukasz Lenart</i>	
Exponential smoothing models with time-varying periodic parameters	202
<i>Łukasz Lenart, Błażej Mazur</i>	
Business cycle analysis with short time series: a stochastic versus a non-stochastic approach	212
<i>Paweł Lula, Urszula Cieraszewska, Monika Hamerska</i>	
The evaluation of convergence between content description of academic textbooks in the form of textual notes and UDC expressions	222
<i>Małgorzata Markowska, Danuta Strahl</i>	
Relative Index of Enterprise Innovation Activity for Polish provinces	231
<i>Jerzy Marzec, Jacek Osiewalski, Andrzej Pisulewski</i>	
Economies of scope or specialisation in Polish dairy farms – an application of a new local measure	241
<i>Błażej Mazur</i>	
Density forecasting performance of alternative GARCH and DCS models for daily financial returns	251
<i>Jacek Osiewalski, Beata Osiewalska</i>	
A bivariate model of the number of children and the age at first birth	261

<i>Monika Papież, Sławomir Śmiech, Katarzyna Frodyma</i>	
Determinants of the renewable energy development in the EU countries. A 20-year perspective	270
<i>Monika Papież, Sławomir Śmiech, Katarzyna Frodyma</i>	
The impact of development of the renewable energy sector in the EU on the energy – growth nexus	280
<i>Barbara Pawełek</i>	
Prediction of company bankruptcy in the context of changes in the economic situation	290
<i>Barbara Pawełek, Dorota Grochowina</i>	
Forecasting the bankruptcy of companies: the study on the usefulness of the random subspaces and random forests methods	300
<i>Michał Bernard Pietrzak, Adam P. Balcerzak</i>	
Economic development of Polish voivodeships in the years 2010-2014. Application of taxonomic measure of development with entropy weights	310
<i>Michał Bernard Pietrzak, Bartosz Ziemkiewicz</i>	
The use of random fields in the Modifiable Areal Unit Problem	319
<i>Radosław Pietrzyk, Krzysztof Piontek, Paweł Rokita</i>	
Risk measurement for goals realization in a household financial plan	329
<i>Anatoliy Pilyavskyy, William Aaronson, Liběna Černohorská</i>	
Comparative analysis of the total factor of productivity changes for banks of Visegrad group for the period 2009-2013	339
<i>Dominika Polko-Zajęc</i>	
On comparing populations based on two sets of variables	349
<i>Agnieszka Przybylska-Mazur</i>	
Expenditure rules in the context of a balanced budget	359
<i>Victor Shevchuk, Roman Kopych</i>	
Symmetry of output effects of government expenditure and government revenue in Ukraine	369
<i>Andrzej Sokołowski, Sabina Denkowska, Kamil Fijorek</i>	
Separability index for cluster analysis	379
<i>Małgorzata Stec, Małgorzata Wosiek</i>	
Statistical evaluation of sustainable development of Polish voivodeships in respect of social domain.....	387
<i>Elżbieta Szulc, Mateusz Jankiewicz</i>	
The labour market situation in medium-sized urban centres of the Kujawsko-Pomorskie voivodeship and the problem of unemployment in the province	397

<i>Sławomir Śmiech, Monika Papież, Kamil Fijorek</i>	
Volatility spillovers between food, energy, US dollar, and equity markets. Evidence from Diebold-Yilmaz's approach	407
<i>Grażyna Trzpiot, Justyna Majewska</i>	
An application of Extreme Value Theory for modelling life expectancy	417
<i>Paweł Ulman</i>	
Foreign income of households and its determinants	427
<i>Agnieszka Wałęga, Grzegorz Wałęga</i>	
Modelling the distribution of loan repayments of households in Poland	437
<i>Stanisław Wanat, Krzysztof Guzik</i>	
Uncertainty of the dependence structure and risk diversification effect in Solvency II	447
<i>Florian Zechser, Joachim Rojahn</i>	
A market-implied approach to measuring corporate diversification	457