# CONTENTS

## ANALYSES

#### 117 Ivana Malá

Modeling Deprivation of the 50-plus Population Based on the SHARE Survey

- 129 Jan Mandák, Jana Hančlová Use of Logistic Regression for Understanding and Prediction of Customer Churn in Telecommunications
- 142 Janka Medová, Jana Bakusová Application of Hierarchical Cluster Analysis in Educational Research: Distinguishing between Transmissive and Constructivist Oriented Mathematics Teachers
- **151 Ladislav Rozenský, Pavla Vrabcová, Miroslav Hájek, Tereza Veselá, Petr Hukal** Searching for Correlations between CO2 Emissions and Selected Economic Parameters

#### 163 Kris Boudt, Hong Anh Luu

The Informativeness of the Technical Conversion Factor for the Price Ratio of Processing Livestock

#### DISCUSSION

#### 176 Susana Santos, António Agostinho

Boomerang Effect of Quality Control on the Compilation of Financial Accounts and Flow of Funds: the Experience of Banco de Portugal

# METHODOLOGY

#### 182 Iwona Müller-Frączek

Pattern Normalization - a New Tool for Dynamic Comparisons

#### 198 Imre Dobos, Andrea Gelei

An Empirically Supported Methodological Critique of Double Entry in Dyadic Data Analysis

# 100<sup>th</sup> ANNIVERSARY

#### 218 Edvard Outrata

Some Future Challenges for Czech Official Statistics

# INFORMATION

#### 225 Václav Rybáček

International Conference on Economic Measurement 2019

227 Publications, Information, Conferences

## About Statistika

The journal of Statistika has been published by the Czech Statistical Office since 1964. Its aim is to create a platform enabling national statistical and research institutions to present the progress and results of complex analyses in the economic, environmental, and social spheres. Its mission is to promote the official statistics as a tool supporting the decision making at the level of international organizations, central and local authorities, as well as businesses. We contribute to the world debate and efforts in strengthening the bridge between theory and practice of the official statistics. Statistika is professional double-blind peer reviewed open access journal included in the citation database of peer-reviewed literature **Scopus** (since 2015), in the **Web of Science** *Emerging Sources Citation Index* (since 2016), and also in other international databases of scientific journals. Since 2011, Statistika has been published quarterly in English only.

#### Publisher

The Czech Statistical Office is an official national statistical institution of the Czech Republic. The Office's main goal, as the coordinator of the State Statistical Service, consists in the acquisition of data and the subsequent production of statistical information on social, economic, demographic, and environmental development of the state. Based on the data acquired, the Czech Statistical Office produces a reliable and consistent image of the current society and its developments satisfying various needs of potential users.

#### Contact us

Journal of Statistika | Czech Statistical Office | Na padesátém 81 | 100 82 Prague 10 | Czech Republic e-mail: statistika.journal@czso.cz | web: www.czso.cz/statistika\_journal