

from the desk of

**ZDENĚK
ŠULC**

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Profile

I am a Assistant Professor at the University of Economics, Prague. My main fields of interest are categorical data analysis and clustering. Furthermore, I deal with statistical methods used in medical research. Currently I deal with the Delta Machine classification method at the Leiden university.

Education

Doctoral degree, University of Economics, Prague, Czech Republic, 2017.

Dissertation thesis: Similarity Measures for Nominal Data in Hierarchical Clustering.

Master degree, University of Economics, Prague, Czech Republic, 2012.

Diploma thesis: Methods of Analyzing Multivariate Contingency Tables.

Bachelor degree, University of Economics, Prague, Czech Republic, 2009.

Bachelor thesis: Analysis of Students' Results of the Subject 4ST201.

Work experience

Assistant Professor, University of Economics, Prague, Prague, Czech Republic, since 2015.

Statistician, National Institute of Mental Health, Klecany, Czech Republic, since 2015.

Data processing, statistical analyses and interpretation of results within projects related to neurodegenerative diseases of old age.

Project Executive, GfK Praha s. r. o., Prague, Czech Republic, 2011-2012.

Processing of market research data, data cleaning and transformation, creation of tables and charts, data preparation for reports.

Pedagogical Activity

Statistics (4ST201, 4ST601), Instructor, University of Economics, Prague, Czech Republic.

The basic course of Statistics (in Czech and English), which is obligatory for all students. Its aim is to get students acquainted with elements of probability, elementary statistical conceptions and possibilities of data analyzing.

Statistics 1 (4ST203), Instructor, University of Economics, Prague, Czech Republic.

The basic course of Statistics for students with specialization in Statistics.

Introduction to Probability Theory and Mathematical Statistics (4ST220), Instructor,

University of Economics, Prague, Czech Republic. The subject is aimed at extending and perfecting students' knowledge of probability and mathematical statistics.

Selected Publications

Šulc, Z., Matějka, M., Procházka, J., Řezanková H. (2017). Evaluation of the Gower Coefficient Modifications in Hierarchical Clustering. *Metodološki zvezki - Advances in Methodology and Statistics*.

Šulc, Z., Řezanková, H. (2015). nomclust: An R package for hierarchical clustering of objects characterized by nominal variables. In The 9th International Days of Statistics and Economics, Prague.

Šulc, Z., Řezanková, H. (2015). Dimensionality reduction of categorical data: comparison of HCA and CATPCA approaches. In Applications of Mathematics and Statistics in Economics 2015, Jindřichův Hradec.

Šulc, Z., Řezanková, H. (2014). Evaluation of selected approaches to clustering categorical variables. *International Journal of the Polish Statistical Association - Statistics in Transition new series*, 5(4), 591-610.