Miroslav Sabo
Résumé

Mgr. Miroslav Sabo
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All models are wrong, but some are useful. (G. E. P. Box)

Education

2010 – Present	**PhD. in Applied Mathematics**, *Faculty of Civil Engineering, Slovak University of Technology in Bratislava*, Bratislava.
2004 – 2009	**Mgr. (equivalent to M.Sc.) in Probability and Mathematical Statistics**, *Faculty of Mathematics, Physics and Informatics, Comenius University*, Bratislava.
2000 – 2004	**Secondary education**, *Secondary Grammar School of Ján Hollý*, Trnava.
1991 – 2000	**Primary education**, *Vančurova*, Trnava.

Bachelor's thesis

title	*Reaction-diffusion equations (in Slovak)*
supervisor	Mariana Remešíková

Master's thesis

title	*Generalized Linear Models (GLM) with Applications (in Slovak)*
supervisor	Andrej Pázman

PhD. thesis

title	*Multivariate Statistical Techniques with Applications: Clustering (in English)*
supervisor	Oľga Nánásiová

Teaching experience

○ **Statistics**, lecturer, Faculty of Social and Economic Sciences, Comenius University in Bratislava, a.y. 2010/11, 2011/12 (in Slovak)

○ **Applied Statistics**, lecturer, Faculty of Civil Engineering, Slovak University of Technology in Bratislava, a.y. 2012/13 (in Slovak)

○ **Statistics**, instructor, Faculty of Management, Comenius University in Bratislava, a.y. 2010/11 (in Slovak)

○ **Mathematics**, instructor, Faculty of Architecture, Slovak University of Technology in Bratislava, a.y. 2010/11, 2011/12, 2012/13 (in Slovak)

○ **Mathematics II**, instructor, Faculty of Civil Engineering, Slovak University of Technology in Bratislava, a.y. 2010/11, 2011/12 (in Slovak)

○ **Informatics and Statistics**, instructor, Faculty of Civil Engineering, Slovak University of Technology in Bratislava, a.y. 2010/11, 2011/12, 2012/13 (in Slovak)

Languages

Slovak	Native speaker
Czech	Advanced
English	Pre-intermediate

Computer skills

R	advanced	Excel	advanced
LaTeX	advanced	Word	advanced
Gephi	advanced	PowerPoint	advanced

Research interests

- Data mining
- Statistics and probability
- Machine learning
- Predictive modeling
- Questionnaire design
- Multivariate statistics
- Data science
- Artificial intelligence
- Market analysis
- R programming
- Data visualization
- Clustering (segmentation)
- Mathematics
- Psychometrics

Other interests

Music	Listening and theory
Sport	Table tennis, floorball, tennis, squash, petanque, fitness
Physics	Astronomy and cosmology
Other	Psychology, healthy lifestyle, politics, criminology, market research

Personal information

- **Date/Place of Birth:** 16 May 1985, Trnava, Slovakia
- **Work Address:** Faculty of Civil Engineering, Slovak University of Technology in Bratislava, Radlinského 11, 813 68, Bratislava
- **Home Address:** Teodora Tekela 5, Trnava, 917 01, Slovakia
- **Web:** http://stats.stackexchange.com/users/14730/miroslav-sabo

Participation in national projects

- APVV-0303-11 (2012-2015) Development of a regional system of climate and rainfall runoff models for the prediction of runoff under changed climate in the mountainous regions of Slovakia

- VEGA 1/0143/11 (2012-2013) Multiregimes and multidimensional time series: models and application

Publications

Veronika Hrabačková and Miroslav Sabo. How many offers does slovak consumer need? *Communication Today*, 3(1):98–105, 2012. (in Slovak, indexed in Ulrich's Periodicals Directory, CEJSH, Cabell's Directories, EBSCO, Index Copernicus and ProQuest).

Renáta Ďuračiová, Tibor Lieskovský, Kristína Kročková, and Miroslav Sabo. Multicriteria decision making using fuzzy sets in gis enviroment and its application in the archeological prediction. *Geodetický a kartografický obzor: odborný a vědecký časopis*, 57(99)(8):205–215, 2011. (in Slovak).

Fabrizio Durante, Enrico Foscolo, and Miroslav Sabo. A spatial contagion test for financial markets. *Advances in Intelligent and Soft Computing*, 190:313–320, 2013. (in English, indexed by ISI Proceedings, DBLP, Ulrich's, EI-Compendex, SCOPUS, Zentralblatt Math, MetaPress and Springerlink).

Miroslav Sabo. How to analyze time series with wavelet transform. *Acta hydrologica Slovaca*, 13(1):233–241, 2012. (in Slovak).

Miroslav Sabo and Oľga Nánásiová. Clustering by two methods simultaneously. *Forum Statisticum Slovacum*, 8(1):87–93, 2011. (in English).

Miroslav Sabo and Tatiana Hajdúková. Identification of the true number of perpetrators using dna analysis. *Kriminalistika: Čtvrtletník pro kriminalistickou teorii a praxi*, 45(2):142–147, 2012. (in Slovak).

Andrea Čerňanová and Miroslav Sabo. Students' views of medical universities on prejudice against the mentally ill. *Lekársky Obzor*, 61(7-8):242–247, 2012. (in Slovak, indexed in SCOPUS).

Andrea Števková, Miroslav Sabo, and Silvia Kohnová. Pooling of low flow regimes using cluster and principal component analysis. *Slovak Journal of Civil Engineering*, 20(2):19–27, 2012. (in English).