

## **STATISTICA Standard enhances scientific activity at Trnava University**

### **KEY POINTS**

#### **Business**

Trnava University

#### **Overview**

- One of the oldest universities in Slovakia, founded in 1635
- Publishes extensively in the fields of biology, mathematics, informatics, and chemistry

#### **Challenges**

Seeking software to meet increasing requirements for publication quality.

#### **StatSoft Solution**

STATISTICA Standard

*“Cooperation with StatSoft CR was exemplary in all phases, from initial consultations to subsequent implementation. Communication and support from the supplier, when we occasionally need more information regarding use of our license, is also excellent.”*

**— Viera Peterková, PhD.**

*Vice Dean for Studies of the Faculty of Education*

### **BACKGROUND**

Trnava University is one of the oldest universities in Slovakia. When it was founded in 1635 by Cardinal Péter Pázmaň, it had four faculties: Theology, Art, Law, and Medicine. The university became known for its library, gardens, theatre, and astronomical observatory. In 1777, the university was moved to Budín, and in 1992, it was re-established by the Slovak National Council. Trnava University espouses the principles of the Magna Charta Universitatum Europaeum, or Great Charter of European Universities, which are fully independent universities, free from political and economic power, and free to perform research and to teach. It currently holds five faculties: Philosophy & Arts, Health Care & Social Work, Education, Theology, and Law.

### **MISSION**

Trnava University espouses Christian principles and strives to protect moral and spiritual values, to educate in the spirit of ecumenism, and to cooperate with other universities, as well as other educational and scientific institutions, in Slovakia and abroad. The university seeks to help build higher education and science in accordance with the current challenges of a society and the State.

### **CHALLENGE**

Aside from instruction, which is a given, Trnava University also performs scientific studies, with extensive publication activity in the fields of biology, mathematics, informatics, and chemistry, relying on data analysis. In the past, the university used traditional tools such as Microsoft Excel for analytical tasks. Due to increasing requirements for publication quality, however, more suitable software was needed.

### **HOW STATISTICA HELPED**

The university thus searched for a more advanced tool that would, above all, accommodate more sophisticated scientific activity. The software needed to simultaneously be suitable as a standard study tool and for methodological teaching research. A simple, user-friendly interface and, of course, purchase price were both important factors in selecting software. University representatives unequivocally chose software from StatSoft CR: STATISTICA Standard. University staff installed the software in a completely straightforward manner, in one day.

### **RESULTS**

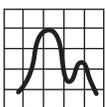
STATISTICA is currently used on two levels at the university's Faculty of Education:

- (1) It serves as support for two types of scientific activity: internal research of ideas originating within the university, and external research

commissioned by a client/partner, such as the state. For example, the software was used in a study for Bratislavská vodárenská spoločnosť (Bratislava Water Company) concerning tap water quality, as well as other projects such as Curricular Transformation of Education at 8-Year High Schools, Diagnostics of Knowledge and Skills of Pupils in the Czech-Slovak Border Area Focusing on Their Development, "Do You Know What You Know?" and others. It is used primarily during the writing of articles bearing an impact factor, where its use is unavoidable.

(2) Another level is instruction itself, where the software is, for now, being used more marginally. But, the goal is to fully implement the tool in instruction, because statistical software helps students learn to work in a more methodical fashion, increasing the quality of scientific work. Of great benefit to students is also the fact that it helps them to present simpler and stronger arguments, resulting in a better defense of their dissertations or any other scientific research.

Overall, *STATISTICA* Standard can thus contribute to the success of graduates of Trnava University, both within and outside their fields.



**StatSoft®**

*Discover how StatSoft is making the world more productive at [www.StatSoft.com](http://www.StatSoft.com)*

**Headquarters: StatSoft, Inc. • 2300 East 14 Street • Tulsa, OK 74104 • USA • +1 (918) 749-1119 • [info@statsoft.com](mailto:info@statsoft.com) • [www.statsoft.com](http://www.statsoft.com)**

Australia: StatSoft Pacific Pty Ltd.  
Brazil: StatSoft South America Ltda.  
Bulgaria: StatSoft Bulgaria Ltd.  
Chile: StatSoft South America Ltda.  
China: StatSoft China

Czech Rep.: StatSoft Czech Rep. s.r.o.  
France: StatSoft France  
Germany: StatSoft GmbH  
Hungary: StatSoft Hungary Ltd.  
India: StatSoft India Pvt. Ltd.

Israel: StatSoft Israel Ltd.  
Italy: StatSoft Italia srl  
Japan: StatSoft Japan Inc.  
Korea: StatSoft South Korea  
Netherlands: StatSoft Benelux

Norway: StatSoft Norway AS  
Poland: StatSoft Polska Sp. z o.o.  
Portugal: StatSoft Iberica Lda  
Russia: StatSoft Russia  
S. Africa: StatSoft S. Africa (Pty) Ltd.

Spain: StatSoft Iberica Lda  
Sweden: StatSoft Scandinavia AB  
Taiwan: StatSoft Taiwan  
UAE/Egypt: StatSoft Middle East  
United Kingdom: StatSoft Ltd.