



University of Ss. Cyril and Methodius in Trnava – Precise Analysis and Evaluation of Data for Scientific Research

KEY POINTS

Business

University of Ss. Cyril and Methodius

Overview

- Christian educational institution for arts, philosophies, and sciences
- Founded in 1997 in Trnava, capital city of Trnava Region in Slovak Republic

Challenges

To become more competitive and qualify for greater funding opportunities, the Faculty of Natural Sciences would need to acquire a robust software solution that not only would be suitable for advanced scientific research but would also be perceived with legitimacy among external scientific communities.

StatSoft Solution

STATISTICA Base

STATISTICA Data Miner

Results

- Scientific publication activity has increased
- STATISTICA is helping the university attain better credit and greater competitiveness

“Choosing StatSoft CR [was] an excellent decision. We can now perform advanced scientific work [and] we found the supplier to be an outstanding partner.”

— Mgr. Peter Nemeček, PhD.

Department of Chemistry

UCM Faculty of Natural Sciences

BACKGROUND

The University of Ss. Cyril and Methodius in Trnava (UCM) was founded in 1997. The mission of UCM, in the spirit of Christian and national ideals and in accordance with democratic principles, is to educate qualified experts who will be capable of successfully developing Slovak culture, science, and learning within the context of European and global cultural heritage.

MISSION

UCM aims to be a modern educational institution that provides students with sufficient opportunities in philosophy and art, as well as with the latest findings in mathematics, information science, chemistry, and biotechnology.

CHALLENGE

In the past, UCM's Faculty of Natural Sciences (mainly the Department of Chemistry) used a run-of-the mill software application such as Microsoft® Excel®. In order for the university to become more competitive and increase its visibility through scientific publications, however, it would need to process experimental results using suitable statistical software, the standing of which would impact the scientific community's perception of the value of UCM's publications and related activity.

The university sought an advanced tool that not only would permit thorough analysis of scientific data but would also be suitable for use in education. It needed software to analyze clinical and physical data, test results, substance behaviour and separation (chromatography) in model systems, drugs, or food samples. First-rate scientific work helps UCM obtain state funding and increase its rating. The school's management selected STATISTICA Base and STATISTICA Data Miner through StatSoft CR in Prague.

HOW STATISTICA HELPED

The software was easily installed by university staff in one day. Aside from the minimum support required during implementation, StatSoft also took care of any required training in a standard manner.

“Choosing StatSoft CR soon showed itself to have been an excellent decision. Aside from implementation of a top-notch analysis tool, thanks to which we can now perform advanced scientific work, we found the supplier to be an outstanding partner with a professional and personal approach,” says Mgr. Peter Nemeček, PhD., with UCM's Department of Chemistry.

RESULTS

STATISTICA is currently used at UCM in Trnava primarily for scientific research, advancing publication activity to a new, higher level, thus helping the university attain better credit and greater competitiveness. The UCM is now planning to deploy new tools directly into the classroom to engage students with modern research methods, help them interpret their own research, and help them find jobs in their profession. Overall, everyone involved gains a corresponding financial benefit from their work.