



Statistics and Education

Statistik-Ausbildung an den Schulen

Statistik-Tage der Österreichischen Statistischen Gesellschaft

Im Rahmen des ÖMG-DMV-Kongresses (19th ÖMG Congress and Annual Meeting of the DMV).

Paris-Lodron Universität Salzburg, 13-14 September 2017

This half-day session within the Statistics Days of the Austrian Statistical Society (jointly with the ÖMG-DMV Congress of the Austrian and German Mathematical Societies) is organised by Manfred Borovcnik (AAU Klagenfurt) und Karl Josef Fuchs (Univ. Salzburg).

Contents of statistics and probability have become central topics of the curricula of secondary level as well as in teacher in-service courses at the university. The didactics of mathematics is challenged both in research and in design of teaching probability and statistics in meaningful ways. The contributions of this half-day session will provide an overview on the various fields of mathematics-didactics research and teaching. All presentations will include 10 minutes of discussions as this active element of participation is a key issue for us. In this way, we encourage the audience to share, exchange, and deepen their ideas about teaching probability and statistics, and merge them with the ideas of our speakers. Most of the presentations will be in German.

Statistics and Education I

Wed, 13 September 2017 – 15.30-16.40

15.30 Session opening: Manfred Borovcnik and Karl-Josef Fuchs

15.40 Manfred Borovcnik, AAU Klagenfurt:
Applets to Enrich the Teaching of Stochastics in High School

16.10 Michael Wagner-Pintner, Wien
Education: a reliable resource to cope with the contingencies of health issues

Statistics and Education II

Thu, 14 September 2017 – 13.30-17.20

13.30 Keynote: Ramesh Kapadia, London:
Understanding Uncertainty: Probability Education at the Secondary Level

14.00 Ingo Engert-Oostingh, Karlsgymnasium Bad Reichenhall:
To Teach Stochastics Playing Games

14.30 Hans-Joachim Mittag, Fernuniversität Hagen:
Interactive Experiments and Teaching Videos for the Basic Education in Statistics

15.00-15.30: Coffe break

15.30 Katja Krüger, U. Paderborn:
Data that concern us – Basic Statistical Education by Analysis of Official Statistics

16.20 Franz Schoberleitner, JKU Linz:
The Role of Text and Context of Tasks in Stochastics

16.50 Stefan Götz, U. Wien:
School Mathematics Stochastics in the New Joint North-East Course