



WORKSHOP INVITATION

The Doctoral School of Management and Business Administration, Szent István University is pleased to invite you to attend the lectures of

Prof. Anthony J. Guarino.

Prof. Anthony J. Guarino is a retired professor of biostatistics and Fulbright Specialist: Research & Statistics. Professor Guarino worked at MGH Institute of Health Professions, Massachusetts, USA. He is the statistician on numerous National Institutes of Health grants and a reviewer on several research journals. He is the author of several handbooks of applying different statistical methods by using IBM SPSS Software.

WORKSHOP 1: Conducting Multiple Regression Analysis with IBM SPSS

DATE AND TIME: 24/04/2017 (Monday) 14:00-15:30

PLACE: seminar room No. 114

Workshop Description

The Office of International Relations at SZIU will be sponsoring the following workshop, *Conducting Multiple Regression Analysis with IBM SPSS*. This is an application-oriented workshop and the approach is practical. Participants will learn how to conduct and interpret multiple regression analyses and discuss situations in which these tests would be employed. Participants are encouraged to bring their own data sets and research questions to this workshop to enhance their understanding of statistics.

Intended Audience

This course builds on the simple regression workshop and is also appropriate as a refresher for those who are engaged in research projects including capstones, dissertations, or theses.

Suggested Skills

Minimal computer literacy including some knowledge of spread sheets. Some basic understanding of regression is helpful but not necessary.

Topics

- Logic of Multiple Predictors
- Conducting a Multiple Regression
- Standard, Stepwise, & Hierarchical
- Multiple Regression Output
- Regression Coefficients
- Beta-weights & b-weights
- Influential Points
- Multicollinearity & Recommendations
- Part & Partial Coefficients
- Significance
- Collinearity
- Path Analysis

WORKSHOP 2: Conducting Multivariate Analysis with IBM SPSS

DATE AND TIME: 25/04/2017 (Tuesday) 15:00-16:30

PLACE: seminar room No. 114

Workshop Description

The Office of International Relations at SZIU will be sponsoring the following workshop, *Conducting Multivariate Analysis with IBM SPSS*. This is an application-oriented workshop that targets those who want to become better versed in the more advanced statistical capabilities of IBM SPSS. This Workshop is also recommended for those seeking a solid understanding of statistics and wants to expand their knowledge of appropriate statistical procedures and how to set them up using IBM SPSS. Graduate students completing their dissertation will find this workshop valuable.

Suggested Skills

Participants should have some familiarity with IBM SPSS and advanced statistical knowledge (or at least one college level courses in Statistics).

Topics

MANOVA

- Conducting a MANOVA
- Assumptions of MANOVA
- Examining the Output
- Follow-up Analyses

Discriminant Analysis

- Running a Discriminant Analysis
- The Elements of Discriminant Analysis
- The Discriminant Model

- How Cases are Classified
- The Discriminant Coefficients
- Stepwise Model Selection

Analysis of Covariance (ANCOVA)

- Conducting an ANCOVA
- Assumptions of ANCOVA
- Baseline ANOVA
- ANCOVA - Homogeneity of Slopes
- ANCOVA Output

Dr. József Lehota
Professor
Head of Doctoral School

Dr. Emese Bruder
Assistant Professor