

4th International Conference and Exhibition on **Biometrics & Biostatistics**

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Advanced statistical analysis using SPSS

This workshop is designed to provide advanced and common statistical techniques in various disciplines which are very important for researchers and practitioners using the SPSS. The workshop is designed especially to demonstrate some techniques and applications of biostatistics in medical, public health, epidemiology, pharmaceutical and biomedical fields. The following topics will be dealt with in the workshop:

- Introduction to the Inferential Statistics and SPSS,
- Perform hypothesis testing and confidence interval analysis for one and two populations,
- One and two-way factorial ANOVA with SPSS,
- *Post Hoc* multiple comparisons,
- Conducted a Pearson correlation and created a scatter plot for the results,
- Perform linear regression analysis (simple and multiple) and logistic regression, and
- How to interpret the SPSS outputs and get the results into the report.

Biography

Abdel-Salam Gomaa Abdel-Salam holds BS and MS (2004) degrees in Statistics from Cairo University and MS (2006) and PhD (2009) degrees in Statistics from Virginia Polytechnic Institute and State University (Virginia Tech, USA). Prior to joining Qatar University as an Assistant Professor and a Coordinator of the Statistical Consulting Unit, he taught at Faculty of Economics and Political Science (Cairo University), Virginia Tech, and Oklahoma State University. Also, he worked at J P Morgan Chase Co. as Assistant Vice President in Mortgage Banking and Business Banking Risk Management Sectors. He has published several research papers and delivered numerous talks and workshops. He was awarded a couple of the highest prestige awards such as Teaching Excellence from Virginia Tech, Academic Excellence Award, Freud International Award, and Mary G Natrella Scholarship from American Statistical Association (ASA) and American Society for Quality (ASQ), for outstanding Graduate study of the theory and application of Quality Control, Quality Assurance, Quality Improvement, and Total Quality Management. He is a Member of the ASQ and ASA. Also, he was awarded the Start-Up Grant Award from Qatar University (2014/15) and The Cairo University Award for international publication in 2014. His research interests include all aspects of industrial statistics and economic capital models, including statistical process control, multivariate analysis, regression analysis, exploratory and robust data analysis, mixed models, non-parametric and semi-parametric profile monitoring, health-related monitoring and prospective public health surveillance.

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