

# Research Methodology & SPSS

**July 16 -23, 2023**

**Every Saturday and Sunday**

**Training Investment: PKR 8000/ +5% SST**  
(inclusive of training material & certificate)  
*10% discount for the group of 5 participants.*

## COURSE REQUIREMENTS:

1. Clear interest of Learning Research & Statistical Methods
2. *Know how* about some computer applications i.e. Windows operating system and MSOffice etc.



## Objectives

This course/workshop will appeal to those who require an understanding of research approaches and skills, and importantly an ability to deploy them in their studies or in their professional lives.

It's a common observation that medical Doctors, Physicians, GPs and PGs are used to get the help of Statistician whenever they plan to write a synopsis, research proposal or a research paper.

We strongly recommend all of them to attend this lecture/Workshop so that they can get the familiarity with Quantitative Methods and Research tools & SPSS because one can enjoy more by analyzing his/her own data by simple exploratory & advance inferential methods.

## Participants' Profile

Medical Doctor & Professor, Medical Staff, GPs and PGs, ORIC, etc.

*Participants can grab the Statistical concepts without being bored and they will also be happy to analyze their own data with a complete understanding.*

## Course Plan & Topics

**Session-1:** Brain Exercises, Research Methods, online courses, Medical Research startup, Literature Review, easiest and effective use of Google Scholar, Introduction to Biostatistics & Type of Data, Statistical Measures, Exploratory Research, Sample write-up cases. Significance of *p-value*, ANOVA and its application, Correlation, Regression analysis, Application of test of significance - T test & Chi-Square test.

**Session-2:** Transformation of Excel file into SPSS / SPSS Output file into Excel, Univariate and Multivariate Analysis (an introduction) Working with statistics - Frequency Table / Descriptive / Cross tabulation of two or more Variables, Data Entry Exercise / Finding Information about Variables. Data Coding, Data Splitting. Use of Inferential statistics and hands-on practice of all relevant Statistical tests mentioned in Session-1.

## Trainer's Profile

**Mr. Yaseen Ahmed Meenai** is a PhD Scholar, he did his MSc. (Statistics) from University of Karachi. He is the recipient of the **BEST UNIVERSITY TEACHER AWARD** by HEC Govt. of Pakistan and has also received the **BEST RESEARCH PAPER AWARD** in IMSCI-2010, Orlando, FL-USA. He is associated with IBA since 2004, before his joining in IBA; he served in the Department of Statistics, University of Karachi for six years. His total University teaching experience is 18 years. Beside his University teachings, he has served as a resource person in several successful workshops within and outside IBA. He is also the 4<sup>th</sup> generation of great Hindustani Poet **Hazrat Ameer Meenai** so he also has a good sense of poetry with relevance of areas of his teachings.



## For queries & registration:

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