

Data Analysis with SPSS

(Two-Days Workshop)

Department of Statistics

Government College University Faisalabad

Venue: Sufi Barkat Ali Hall (Dr. Zakir Hussain Block)

Registration Fee: Rs. 1000/-

PROGRAMME

INAUGURAL SESSION (13-02-2018):

10:00 A.M. – 10:15 A.M. : Recitation of Holy Quran and Naat

10:15 A.M. – 10:20 A.M. : Welcome Address by **Dr. Tanvir Ahmad** (Principal Organizer)

10:20 A.M. – 10:30 A.M. : Address by the Dean (Life and Physical Sciences)

10:30 A.M.-11:00 A.M. Tea Break

Session 1: 11:00 A.M – 12:00 P.M		Introduction to SPSS
<i>Date: 13-02-2018</i> <i>Instructor: Dr. Muhammad Abid</i>	<ul style="list-style-type: none">• Introduction to SPSS• Data Entry• Data Editing• Importing and Exporting Data• Descriptive Statistics (Frequency Distribution, Average, Dispersion etc.)	
Session 2: 12:00 P.M – 1:00 P.M		Testing of Hypothesis
<i>Date: 13-02-2018</i> <i>Instructor: Mr. Abu Bakar</i>	<ul style="list-style-type: none">• Basic Concepts• One sample t-test• Independent Samples t-test• Paired Samples t-test• Chi-Square Test of Independence• Contingency Tables• Lab Work	
Session 3: 1:00 P.M – 2:00 P.M		Experimental Design and ANOVA
<i>Date: 13-02-2018</i> <i>Instructor: Dr. Tanvir Ahmad</i>	<ul style="list-style-type: none">• Basic Concepts• One Way Analysis of Variance• Two Way Analysis of Variance• Multiple Comparison Tests• Lab Work	

PROGRAMME DAY-2

14-02-2018:

9:30 A.M. – 9:45 A.M.: Recitation of Holy Quran and Naat

Session 1: 09:45 A.M – 10:30 A.M	Regression and Correlation Analysis
Date: 14-02-2018: Instructor: Dr. Sajjad Haider Bhatti	<ul style="list-style-type: none">• Basic Concepts• Correlation Analysis (Simple & Rank)• Simple Linear Regression Analysis• Coefficient of Determination• Multiple Linear Regression Analysis
Session 2: 10:30 A.M – 11:15 A.M	Classification and Data Reduction Techniques
Date: 14-02-2018: Instructor: Mr. Muhammad Aftab	<ul style="list-style-type: none">• Basic Concepts• Cluster Analysis• Factor Analysis
Session 3: 11:15 A.M – 12:00 P.M	Response Surface Methodology
Date: 14-02-2018: Instructor: Dr. Tanvir Ahmad	<ul style="list-style-type: none">• Basic Concepts• First order design and second order response surface design• Response optimization
Session 4: 12:00P.M- 12:45 PM	Charts and Graphs
Date: 14-02-2018 Instructor: Mr. Rizwan Munir	<ul style="list-style-type: none">• Histogram• Box plot• Pie Charts
Session 4: 12:45 P.M – 1:30 P.M	Closing Session
Date: 14-02-2018:	<ul style="list-style-type: none">• Recitation of Holy Quran and Naat• Concluding Remarks by Prof. Dr. Amanullah Chairman Department of Statistics Bahauddin Zakariya University Multan• Distribution of Certificates• Vote of Thanks by Dr. Tanvir Ahmad

Refreshment:

Note: All the participants are directed to bring a laptop and notebook with themselves. The Department will assist in software installation before workshop.

Dr. Tanvir Ahmad
Incharge