



The Islamia University Of Bahawalpur,

BAHAWALNAGAR CAMPUS DEPARTMENT OF APPLIED PSYCHOLOGY BS 6th Semester (M) __Data Analysis using SPSS

Instructor Dr. Rafaquat Ali
Class days Monday and Friday

Class Room 2
Class Timing: 09:00 AM TO 10:30 AM (Monday)
10: 30 AM TO 12:00 Noon (Friday)

Course Outline

Course Objective:

The objectives of this course are following:

- To provide basic understanding of SPSS use in statistics.
- To enable students to grasp importance of statistics in Psychology.
- To provide an understanding of SPSS descriptive and inferential statistics options.
- To use basic formulas and tests of statistics for education and research purposes.

Teaching Methodology:

- The class will be conducted in a lecture & discussion environment where the class Instructor will lead the discussions, and students will be encouraged to participate and ask questions at the end of each class session.
- Students will be expected to read assignments in advance. This will be tested through quizzes which may proceed any class session.

Text Books/ Reading Material:

- SPSS Survival Manual A Step by Step Guide to Data Analysis using SPSS for Windows 4th edition by Pallant, J. (2011)
- How to Use SPSS A Step By Step Guide to Analysis and Interpretation by Brian C. Cronk
- Statistics in Education by AIOU, Islamabad

Course Contents:

Weeks	Sessions	Topics
1	1	What is SPSS (Introduction & Advantages)
	2	How to Start SPSS
2	3 & 4	Entering data in SPSS
3	5	Screening Data
	6	Transformation of Data
4	7 & 8	Descriptive Statistics in SPSS
5	9 & 10	Graphing Data in SPSS
6	11 & 12	Reliability of a scale
7	13 & 14	Correlation
8		Mid Term
9	17 & 18	Regression IN SPSS
10	19 & 20	Factor Analysis
11	21& 22	Comparisons of Means
12	23 & 24	ANOVA Tests in SPSS
13	25 & 26	Non-Parametric Tests in SPSS (Chi-Square)

14	27	Chi-Square Test of Independence
	28	Kruskal-Wallis II Test
15	29 & 30	Friedman Test & Assignments
16		FINAL TERM

Testing and Grading:

1. Learning will be accomplished through lecture, class exercises and student participation in the class discussion and presentations.
2. Grading will tend to focus on your overall performance rather than one or two aspects. A mid term examination and a comprehensive final examination will be given.
3. Another portion of the course grade will include the discussion/attendance grade, quizzes, and other assignments.
4. The mid-term examination will be graded for 30 points and the final examination will have a value of 50 points.
5. Excessive absences(more than 03) will result in "F Grade"
6. Test Questions may be taken from text book readings, hypertext material discussed in class and other assigned readings.
7. Students may prepare notebooks for taking notes and for references.

Marks Distribution:

Sessional	20
Mid Term	30
Final Exam	<u>50</u>
Total	100

Please Note:

In the unlikely event of an unplanned absence by the instructor, the material to have been covered during that class meeting will be shifted to the next meeting. If a test/presentation was scheduled for that class meeting that will be given during the next class meeting. In the event of any necessary planned absences, information on schedule changes will be provided in advance.