

Teaching Plan (January, 2017 to April, 2017)

Course Teacher: Faraz Ahmad

M.A. HRM II Semester

Course: Management Research and Computer Applications (HRM-SII-08)

Week/Month	Introduction IBM SPSS STATISTICS
Week 1/Jan 17	<ul style="list-style-type: none"> • Explain the basic steps of data analysis using IBM SPSS Statistics. • Describe the roles of the primary windows within IBM SPSS Statistics. • Describe the basic layout of IBM SPSS Statistics dialog boxes. • Describe the choices of the file menu to read and save data files. • Read Microsoft Excel files. • Describe all the variable properties. • Define variable properties in the Variable View Window. • Define variable properties using the Define Variable Properties dialog. • Save variable properties with data in an IBM SPSS Statistics data file. • View variable properties interactively using Variable Utility. • View variable properties in tables using Display Data Dictionary facility and Codebook procedure. • Insert, delete, and move variables and cases. • Copy information from one dataset to another. • Use the Copy Data Properties feature.
Week 2/ Jan	<ul style="list-style-type: none"> • Select the appropriate procedure to summarize the relationship between two variables. • Use the Crosstabs procedure to summarize the relationship between categorical variables. • Use the Means procedure to summarize the relationship between a scale and a categorical variable. • Describe and use the features of the Select Cases dialog. • Use the Chart Builder to create various types of graphs. • Format and edit the graph in the Chart Editor. • Navigate through the Viewer. • Export output to other applications.
Statistical Analysis	
Week 1/ Feb	<ul style="list-style-type: none"> • Central tendency (Median, mode, and mean) • Variance & Standard Deviations • Degrees of freedom

	<ul style="list-style-type: none"> • Critical value • Significance value • Hypothesis and Null Hypothesis • Type I and Type II errors. • Parametric and Non Parametric data.
Week 2/ Feb	<ul style="list-style-type: none"> • The concept behind Chi-Square and implementation in SPSS and Excel.
Week 3/ Feb	<ul style="list-style-type: none"> • Concept of Pearson's Correlation Coefficient and implementation in SPSS and Excel.
Week 4/ Feb - Week 3/March	Concurrent Field Work
Week 4/March	<ul style="list-style-type: none"> • Concept of Linear Regression and implementation in SPSS and Excel.
Week 1/April	<ul style="list-style-type: none"> • Concept of T-Test/ Z-Test and implementation in SPSS and Excel.
Week 2/ April	<ul style="list-style-type: none"> • Concept of Analysis of Variance (ANOVA) and implementation in SPSS and Excel.
Week 3/April	<ul style="list-style-type: none"> • Performing Cronbach's Alpha (Reliability Analysis Test) and implementation in SPSS.
Week 4/April	Internal Assessment (Practical Exam: Computers/SPSS)