

Tentative Structure for
ONE WEEK WORKSHOP ON
SPSS for Social Science Data Analysis
February 11-17, 2019

By
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11/02/2018

Timings	Session Theme	Major Contents
10.00 to 11.30 am	Inauguration	
11.30 to 11.45 am	High Tea	
11.45 am to 1.15 pm	Inaugural Address	Social Science Research Prof. Aradhana Shukla
1.15 pm to 2.00 pm	Lunch	
2.00 pm to 3.30 pm	Introduction to SPSS	Familiarity with the software, Questionnaire preparation, Preparation of Coding Manual, Preparing Variable View, Data Coding and Data entry (specifications for independent vs dependent conditions)
3.30 pm to 3.45 pm	Tea	
3.45 pm to 5.00 pm	SPSS- Practice	Administration of a research questionnaire. Practicing data entry, data cleaning under the close supervision of the workshop instructor

12/02/2018

Timings	Session Theme	Major Contents
10.00 to 11.30 am	Basic SPSS Functions	Data Cleaning, Identifying & Replacing Wild Codes, Types of missing values and Missing Value Analysis
11.30 to 11.45 am	Tea	
11.45 am to 1.15 pm	Getting data from other software	Reading Data from Notebook, Word & Excel,
1.15 pm to 2.00 pm	Lunch	
2.00 pm to 3.30 pm	Data and Transform Functions in SPSS	Sorting Data, Data Merge, Splitting file, Selecting Cases, Using Syntax Compute, Recode, Categorization, Ranking,
3.30 pm to 3.45 pm	Tea	
3.45 pm to 5.00 pm	SPSS- Practice	Practice related to day work, Missing value analysis, data transform

13/02/2018

Timings	Session Theme	Major Contents
10.00 to 11.30 am	Scale Construction- Basics	Development of Scales, Item writing, Item Analysis, Psychometric Analysis
11.30 to 11.45 am	Tea	
11.45 am to 1.15 pm	Scale Construction with SPSS	Creating Indexes, Item Analysis- Item Reliability, Item Validity, ICC
1.15 pm to 2.00 pm	Lunch	
2.00 pm to 3.30 pm	Scale Construction with SPSS- Continue	Data Analysis related to Scale Construction, Reliability- Inter-item correlations, Chronback α , Validity, Factor Analysis
3.30 pm to 3.45 pm	Tea	
3.45 pm to 5.00 pm	SPSS- Practice	Practice for psychometric analysis

14/02/2018

Timings	Session Theme	Major Contents
10.00 to 11.30 am	Statistics Basics	Descriptive vs Inferential analysis, Deviation vs variance, statistics as a variance control device, one tailed vs two tailed tests, confidence intervals
11.30 to 11.45 am	Tea	
11.45 am to 1.15 pm	Descriptive analysis- SPSS	Descriptive analysis, data explore, Identifying and removing outliers
1.15 pm to 2.00 pm	Lunch	
2.00 pm to 3.30 pm	Testing Hypothesis	Comparing means, t tests- single group, independent, correlated, one way ANOVA, Summarizing and interpreting test results
3.30 pm to 3.45 pm	Tea	
3.45 pm to 5.00 pm	SPSS- Practice	Practice related to day work, descriptive analysis and hypothesis testing from dummy data

15/02/2018

Timings	Session Theme	Major Contents
10.00 to 11.30 am	Testing Complex Hypothesis	Introduction to various research designs- Factorial Designs, Multivariate analysis
11.30 to 11.45 am	Tea	
11.45 am to 1.15 pm	Testing Complex Hypothesis- SPSS	ANOVA- Univariate & Multivariate, Analysis of Covariance, Summarizing and interpreting test results
1.15 pm to 2.00 pm	Lunch	
2.00 pm to 3.30 pm	Estimating effects	Post- Hoc analysis, Trend analysis, Estimating effect size, Summarizing and interpreting test results
3.30 pm to 3.45 pm	Tea	
3.45 pm to 5.00 pm	SPSS- Practice	Practice related to day work using dummy data

16/02/2018

Timings	Session Theme	Major Contents
10.00 to 11.30 am	Correlational Analysis- Basics	Basics and uses of correlation regression and prediction
11.30 to 11.45 am	Tea	
11.45 am to 1.15 pm	Correlational Analysis- Basics	Computing correlations,
1.15 pm to 2.00 pm	Lunch	
2.00 pm to 3.30 pm	SPSS- Regression	simple and multivariate regression, summarizing and interpreting results
3.30 pm to 4.00 pm	Tea	

17/02/2018

Timings	Session Theme	Major Contents
10.00 to 11.30 am	Panel Discussion	
11.30 to 11.45 am	Tea	
11.45 am to 1.15 pm	Feedback, Valedictory and Closure	

Notes:

1. The aim of the workshop is to equip students with necessary skills so that they may develop their own understanding and mastery.
2. All topics will be covered in a progressive manner; some sessions may take more time than prescribed.
3. The stress of the workshop is on participatory learning rather than one way communication. The Participants are expected to initiate discussions.
4. Participants are expected to have own laptops or access to a computer lab.

“Be a bee, bee sucks honey from flowers but, spider sucks poison from flower”