

STATISTICS (SPSS FOR BEGINNERS)



Chapter 5

Descriptive Statistics (Part 1)

Dimaz Ramananda, S.E., M.Ak

- In Statistical activities are not only making tables and graphs, other activities are presenting a summary of data which can be interpreted as an effort to describe data through various statistical measures.
- Descriptive statistics are more related to collecting and summarizing data, as well as presenting the results of the summary.
- SPSS provides two menus related to descriptive statistics, namely reports and descriptive statistics.
- Reports menu are more related to report from the variables that are categorical types and have relation with variable scale.
- Descriptive statistics menu has more deeper use of descriptive data (eg. Skewness etc). Submenu on the descriptive statististics are:
 - Frequencies: gives simple image from group of data
 - Descriptives: shows many statistics size on a table for one or more quantitative variables
 - Explore: checking more details of group of data.
 - Crosstabs: uses for present descriptive data on the form of crosstab
 - Ratio: gives statistics summary of comparation from two specific data
 - P-P Plots & Q-Q Plots: shows data distribution test chart
 - Codebook: gives information about the variable properties
 - Case Summaries: uses to see the content of statistical descriptive
 - Olap Cubes: uses to make a table that connect some variables

- height.sav dataset

	 gender	 height
1	male	69.5
2	male	70.1
3	female	65.7
4	female	66.8
5	male	69.9
6	female	67.8
7	male	71.5
8	female	65.9
9	female	66.4
10	male	68.9
11	male	70.5
12	male	70.2
13	female	69.3
14	female	69.8
15	male	69.2
16	female	67.8
17	male	71.7
18	female	69.2
19	female	67.6
20	male	69.6

- Using Descriptive Statistics
 - A. Frequency table and descriptive statistics (height)
 - How to:
 1. Open height.sav
 2. Choose Analyze
 3. Choose Descriptive statistics
 4. Choose frequencies
 5. Put height on Variable(s)
 6. Click Statistics
 7. Follow the tutorial
 8. Click Charts
 9. Follow the tutorial
 10. Click Format

11. Follow the tutorial
12. Click OK

B. Frequency table and descriptive statistics (gender)

How to:

1. Open height.sav
2. Choose Analyze
3. Choose Descriptive statistics
4. Choose frequencies
5. Put gender on Variable(s)
6. Click Charts
7. Follow the tutorial
8. Click Format
9. Follow the tutorial
10. Click OK

C. Frequency table with style

How to:

1. Open height.sav
2. Choose Analyze
3. Choose Descriptive statistics
4. Choose frequencies
5. Put height on Variable(s)
6. Click Statistics
7. Follow the tutorial
8. Click Style
9. Follow the tutorial
10. Click OK

D. Using Descriptive submenu

How to:

1. Open height.sav
2. Choose Analyze
3. Choose Descriptive statistics
4. Choose descriptives
5. Put height on Variable(s)
6. Click Options
7. Follow the tutorial
8. Click OK

E. Using Explore submenu (explore data)

How to:

1. Open height.sav
2. Choose Analyze
3. Choose Descriptive statistics
4. Choose explore
5. Put height on Dependent list
6. Put gender on Factor list
7. Click Statistics

8. Follow the tutorial
9. Click Plots
10. Follow the tutorial
11. Choose Both on Displays
12. Click OK