Introduction to Frequency and Basic Statistics

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Objectives

Participants to be able to:

- 1. Run frequency procedure
- 2. Extract relevant information to be presented in appropriate presentation mode
- 3. Prepare tables and charts

Prequencies

Frequency is an SPSS procedure to obtain:

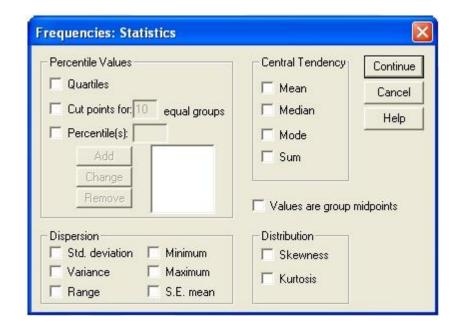
- Frequency distribution
- Percentage distribution
- Basic statistics



Basic Statistics

Statistics option in Frequency procedure provides the following statistics:

- Percentile Values
- Central Tendency
- Dispersion
- Distribution



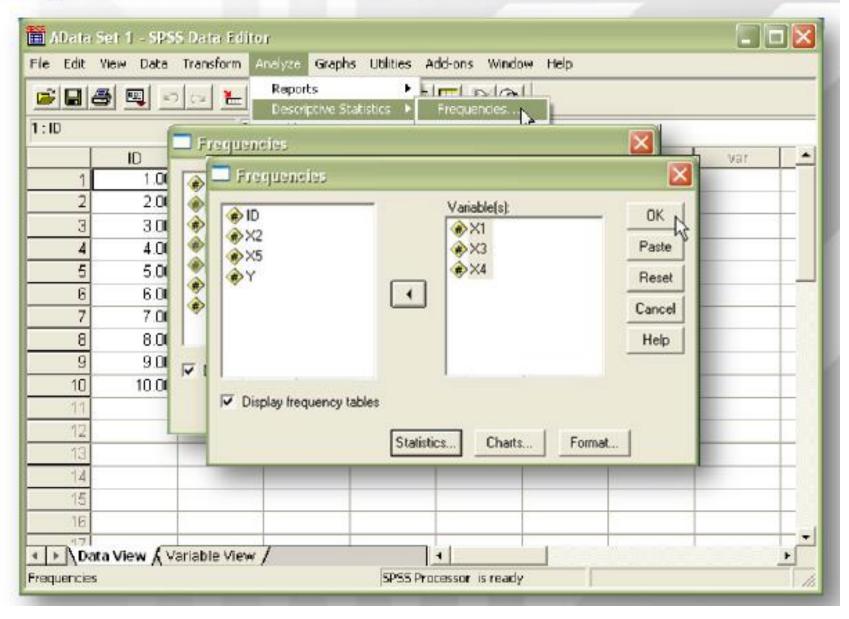
working EXAMPLES

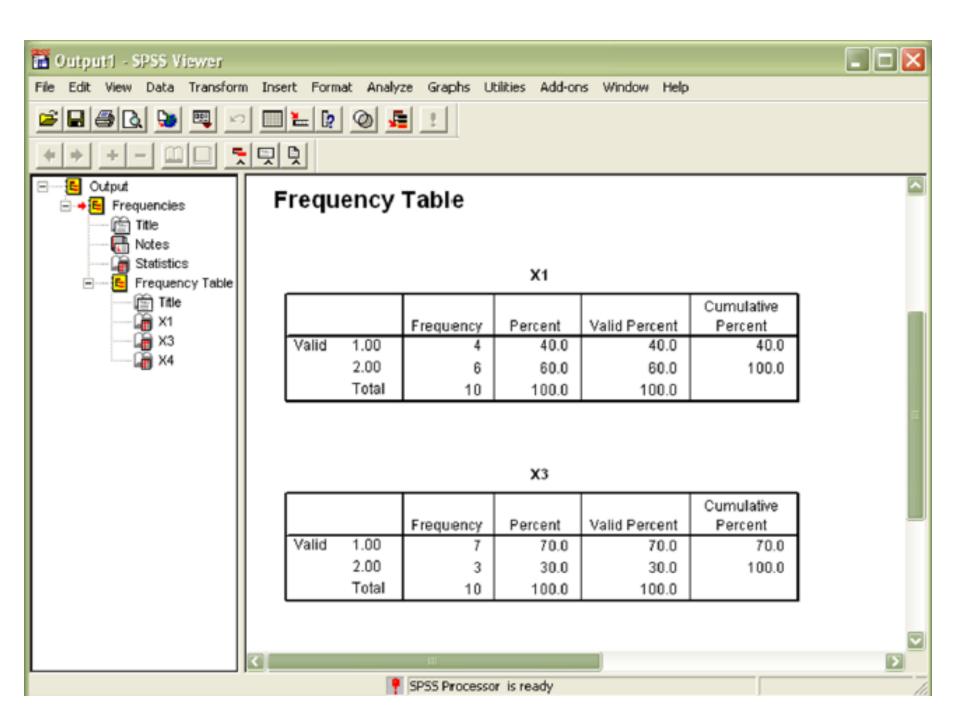


In this example, you will be using the Practice Data. Run the Frequencies procedure, extract and present the results in the given tables.

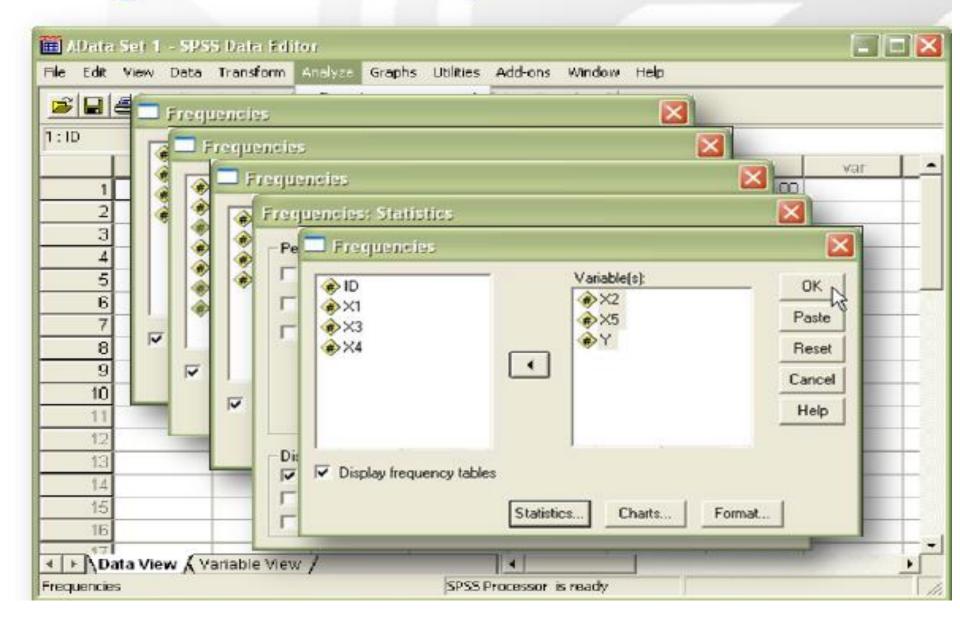
- Run Frequencies for Gender (X1), Marital status (X3) dan Job Category (X4)
- 2. Run Frequencies for Age (X2), Tenure (X5), Job Commitment (X6) and Job Performance (Y). Request for Mean and Std. deviation

Frequencies: X1, X3 and X4





Frequencies: x2, x5 and Y



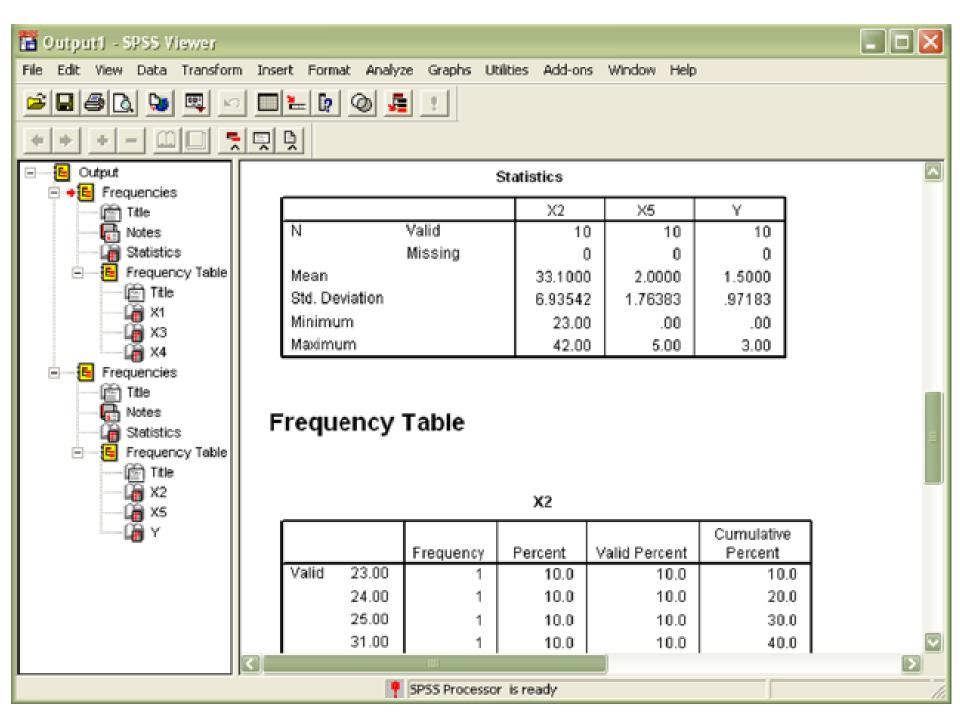


Table 1: Gender, Marital Status and Job Categories

Freq Variables Gender Male Female Marital Status Married Widowed Bachelor Job Categories Support Clerical Administrator

Table 2: Age, and Tenure

| Variable | Freq | % | Mean | SD |
|----------------|------|---|------|----|
| Age (years) | | | | _ |
| < 30 | | | | |
| 30 - 40 | | | | |
| > 40 | | | | |
| Tenure (years) | | | _ | |
| 1–3 3 | | | | |
| 4–66 | | | | |
| >68 | | _ | | |

Table 3: Job Commitment and Performance

| Variable | Freq | % | Mean | SD |
|---|------|---|------|----|
| Job Commitment | | | | _ |
| Low $(1 - 3)$ Moderate $(4 - 6)$ High $(7 - 9)$ | | | | |
| | | _ | | |
| | | | | |
| Job Performance | | | | |
| Low (6 – 13) Moderate (14 – 22) High (23 – 30) | | | | |
| | | - | | |
| | | - | | |

Exercise

Use the QWL Data and run Frequencies for the following variables and present the results in the given tables.

- 1. Frequencies for Marital status (X3) Job category (X4)
- 2. Run Frequencies for Peer Support (X7), Attitude, and Quality of Work Life (QWL). Request for Mean, Std. deviation, Minimum and Maximum

Table 4: Marital status and Job Categories

| Variables | Freq | % |
|----------------------------|------|---|
| Marital Status | | |
| Married | | |
| Divorced | | |
| Bachelor | | |
| Job Categories | | |
| Support | | |
| Administrator | _ | |
| Management | | |
| CONTRACTOR TO THE PARTY OF | | |

Table 5: Peer Support, Attitude and QWL

| Variable | Freq | % | Mean | SD |
|------------------------|------|---|------|----|
| Peer Support | | | _ | _ |
| Low (≤ 3) | | | | |
| Moderate (4-6) | | | | |
| High (> 6) | | | | |
| Attitude | | | _ | |
| Low (1 - 2.33) | | | | |
| Moderate (2.34 - 3.66) | | | | |
| High (3.67 - 5) | | | | |
| Quality of Work Life | | | | |
| Low (1 - 2.33) | | | | |
| Moderate (2.34 - 3.66) | | | | |
| High (3.67 - 5) | | | | |