

Giselle Swann

EDG500

2/10/2023

SPSS Chapter 7 Step by Step:

Report

Reported Pain Level

Dosage Level	Mean	N	Std. Deviation
Low Dosage	7.0000	3	1.00000
Moderate Dosage	5.6667	3	2.08167
High Dosage	2.0000	3	1.00000
Total	4.8889	9	2.57121

Figure 7.10. Means and standard deviations (Unformatted SPSS Output)

Table 7.2

Means and Standard Deviations of Pain Scores for Three Dosage Levels

Dosage Level	Mean	Std. Deviation
High (n = 3)	2.00	1.00
Moderate (n = 3)	5.67	2.08
Low (n = 3)	7.00	1.00

Note: Pain measured on a scale from 0 (pain) to 10 (extreme pain). The higher the scores, the more pain.

Chapter 7 Exercise:

Report

Dollars in Savings Account

Socioeconomic Level	Mean	N	Std. Deviation
Low	3500.0000	4	2380.47614
Medium	13250.0000	4	4716.99057
High	14750.0000	4	10812.80106
Total	10500.0000	12	8163.10992

Figure 7.11. Means and standard deviations (Unformatted SPSS Output)

On a scale from low to high, the group that has a higher amount of dollars in savings accounts are on a higher socioeconomic level ($m = 14,750.00$, $sd = 10,812.11$, $n = 4$) than the medium level group ($m = 13,250.00$, $sd = 4,717.00$, $n = 4$) and the low-level group ($m = 3,500.00$, $sd = 2,380.48$, $n = 4$).

Table 7.3
Means and Standard Deviations of Dollars in Savings Account for Three SES Levels

Socioeconomic Level	Mean	Std. Deviation
High (n = 4)	14,750.00	10,812.11
Moderate (n = 4)	13,250.00	4,717.00
Low (n = 4)	3,500.00	2,380.48

Note: Socioeconomic Level measured on a scale from low to high. The higher the scores, the more dollars in savings account.

Giselle Swann

EDG500

2/10/2023

SPSS Chapter 8 Step by Step:

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Math	7	4.00	16.00	10.0000	4.32049
Reading	7	24.00	36.00	30.0000	4.32049
Valid N (listwise)	7				

Figure 8.6. Output for Math and Reading Scores

Math	Reading	Zmath	Zreading
4.00	24	-1.38873	-1.38873
6.00	26	-0.92582	-0.92582
8.00	28	-0.46291	-0.46291
10.00	30	0.00000	0.00000
12.00	32	0.46291	0.46291
14.00	34	0.92582	0.92582
16.00	36	1.38873	1.38873

Figure 8.7. The z-scores for Math and the z-scores for Reading

Chapter 8 Exercise:

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Esteem	9	15.00	30.00	20.6667	5.59017
Optimism	9	10.00	19.00	14.0000	3.00000
Valid N (listwise)	9				

Figure 8.2. Output for Self-Esteem and Optimism

Esteem	Optimism	ZEsteem	ZOptimism
30.00	17	1.6696	1.00
27.00	19	1.13294	1.66667
25.00	15	0.77517	0.33333
22.00	14	0.23851	0.00000
19.00	16	-0.29814	0.66667
17.00	10	-0.65591	-1.33333
16.00	12	-0.8348	-0.66667
15.00	11	-1.01368	-1.00
15.00	12	-1.01368	-0.66667

Figure 8.3. The z-scores for Self-Esteem and the z-scores for Optimism

1. What is the z-score on **Optimism** for Participant 3? 0.33
2. Which participant is exactly at the mean (i.e., exactly average) on **Optimism**? Participant 4. What is the z-score for this participant? 0.00
3. How many participants have negative z-scores on **Self-Esteem**? 5 participants
4. On **Self-Esteem**, which participant is the furthest from the mean? Participant 8 & 9. What is his or her z-score? -1.01