Chapter 7 Report: On a scale from 1 (no pain) to 10 (extreme pain), the group that received the high dosage reported less pain (m = 2.00, sd = 1.00, n = 3) than the moderate dosage group (m = 5.67, sd = 2.08, n = 3) and the low-dosage group (m = 7.00, sd = 1.00, n = 3).

Table 1

Means and Standard Deviations of Pain Scores for Three Dosage Levels

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

Exercise 7 Report: When comparing socioeconomic(SES) levels and dollars in savings, the group with the highest SES reports a higher amount in their savings accounts (m = 14,750.00, sd = 10,812.80, n = 4) than medium SES group (m = 13,250.00, sd = 4,716.99, n = 4) and the low SES group (m = 3,500.00, sd = 2,380.48, n = 4).

Table 2

Means and Standard Deviations of Savings Amounts for Three SES Levels

Socioeconomic Level	Mean	Standard Deviation
High (n=4)	3500.00	2380.48
Medium (n=4)	13250.00	4716.99
Low (n=4)	14750.00	10812.80

Chapter 8 Report:

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				

	Math	Reading	ZMath	ZReading
1	4.00	24.00	-1.38873	-1.38873
2	6.00	26.00	-.92582	-.92582
3	8.00	28.00	-.46291	-.46291
4	10.00	30.00	.00000	.00000
5	12.00	32.00	.46291	.46291
6	14.00	34.00	.92582	.92582
7	16.00	36.00	1.38873	1.38873

Exercise 8 Report:

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				

	Esteem	Optimism	ZEsteem	ZOptimism
1	30.00	17.00	1.66960	1.00000
2	27.00	19.00	1.13294	1.66667
3	25.00	15.00	.77517	.33333
4	22.00	14.00	.23851	.00000
5	19.00	16.00	-.29814	.66667
6	17.00	10.00	-.65591	-1.33333
7	16.00	12.00	-.83480	-.66667
8	15.00	11.00	-1.01368	-1.00000
9	15.00	12.00	-1.01368	-.66667

1. What is the z-score on optimism for participant 3? 0.33
2. Which participant is exactly at the mean on Optimism? What is the z-score for this participant? Participant 4, z-score = 0.00
3. How many participants have negative z-scores on Self-Esteem? 5
4. On Self-Esteem, which participant is furthest from the mean? What is his or her z-score? Participant 1 is furthest from the mean, z-score = 1.67