

STATDISK CH 2 Answer sheet (Total pts: 6)
(Beginning on p. 22)

Name _____

2-1 Use Datasets - Essentials of stats 3rd ed. - Female Health Part I - Col. 9
Attach **histogram** (turn labels on) approximately bell-shaped? _____

Frequency Distribution here (see p. 18) -----> BMI Frequency

2-3 Attach **scatter plot**. Reference p. 19 in the lab manual.

Question: _____

STATDISK CH 3 Answer sheet (Total pts: 34)
(Beginning on p. 34)

Can be started after completion of study of standard deviation (3.5); Question 3-13 is worth 16 points.

3-1 Mean: _____ Median: _____ Std. Dev: _____ Range: _____
Min: _____ Q1: _____ Q2: _____ Q3: _____ Max: _____ Outliers: _____

3-2 Mean: _____ Median: _____ Std. Dev: _____ Range: _____
Min: _____ Q1: _____ Q2: _____ Q3: _____ Max: _____ Outliers: _____

Comparison: _____

3-5 Attach **boxplots**. (To put the boxplot on the same graph, it's easiest to paste women's BMI into the 8th column of Male health Part 1 and then under "Data" and "Boxplot" select columns 8 and 9.)

What notable differences do you see? _____

3-8 (6 pts) Mean: _____ Median: _____ Std. Dev: _____ Min: _____ Max: _____

Outliers: _____

Ques. #1 _____

Ques. #2 _____

Ques. #3 _____

Attach **histogram**.

Compare to the histogram for 3-1. How is this histogram affected by the outlier? _____

Does the outlier disguise the true nature of the distribution? _____

3-9 Mean: _____ Median: _____ Std. Dev: _____ Min: _____ Max: _____

Outliers: _____

3-13 Attach a **[printout]** of all of your data. Be sure to choose data that is "ratio" in nature. See Chap 1.

a. Describe your data. What do these **sample** values represent? _____

b. What method was used to collect these sample values? _____

c. What is the **population** for this sample? _____

What are some of the reasons that your sample might not be a true representation of the population?

d. Mean: _____ Median: _____
St. Dev.: _____ Variance: _____ Range: _____
Min: _____ Q₁: _____ Q₂: _____ Q₃: _____ Max: _____

Outliers: _____ Attach **histogram** and **boxplot [printouts]**.

e. Describe the shape of the distribution _____

f. What particular characteristics are interesting about this data? _____