Math 13800 Group Quiz Project – Section 30.6 2016

Work in groups of 2-4 students. This project is not to be done solo.

Your name: _____ Your class time: _____

Names of other group members: _____

Staple YOUR pages together. Do not use the back of any page. This project will count as two quiz scores.

Decide on a survey question to use for this project. The question must have a specific, objective number answer for each person surveyed and a reasonable spread of values. Think about this carefully.

Write the survey question here:

Collect 30 responses to your question including one response from each group member. List them on page 2.

NOTE: EACH GROUP MEMBER MUST HAVE THE SAME LIST OF 30 RESPONSES.

Use that set of 30 values to do the following:

Create a stem-and-leaf plot of the values (in order).

Q_1 = Median= Q_3 =

IQR = Arithmetic work to determine whether there are any outliers:

Draw a box-and-whisker plot.

On a separate sheet, make a histogram using at least six, but no more than ten evenly-spaced intervals.

	Original data values	Data values in order	Difference from mean	Square of differences
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
	total		XXXXXXXXXXXXX	

STOP: Do not continue unless all group members have matching tables.
Work leading to <u>mean</u> (rounded to the nearest 0.1):

mean: _____

Work leading to <u>standard deviation</u> (rounded to the nearest 0.01):

standard deviation: _____

Work leading to YOUR PERSONAL z-score (rounded to the nearest 0.01):

z-score: _____