

ENS 495 Fall 2017

Problem Set: Chapter 3

Name: \_\_\_\_\_

Discussion among students is encouraged but all answers must be written in your own words.  
Points will be deducted if you answers are identical to other students.

**Ch 3: Describing Data**

Ch 3	a)	mean / median? (circle answer)
17		Why: Ex:
	b)	Standard deviation (sd) / interquartile range (circle answer)
		Why:

Answer this question **using R. Attach the R code used to make the calculations**

Ch 3	a	Attach a graph of the data produced in R. Once you have the data organized you should be able to do this with a single plotting command. (Hint: this plot does not have means plotted on it).
#14 pg 89		Explain choice of graph:
	b	Contrl mean: _____ V1a-enhanced mean: _____
	c	Contrl SD _____ V1a-enhanced SD _____

Ch 3	a)	
#18		
	b)	
	c)	
	d)	

Answer this question using R. Attach the R code used to make the calculations

Ch 3	a	mean =
21	b	median =
(pg	c	variance (var) =
91)	d	stand. dev (SD) =

Answer this question using R. Attach the R code used to make the calculations

Ch 3	a	Plot the data with a method other than a boxplot. Attach the plot
#28		Is there an association: Yes / No
(pg	b	Best way to compare data: mean / median
93)		Values: AA = _____ BB = _____
	c	Best way to compare spread: standard deviation / interquartile range
		Value: AA = _____ BB = _____
		(you can get the interquartile range using the summary() command, returns the median and the quartiles)