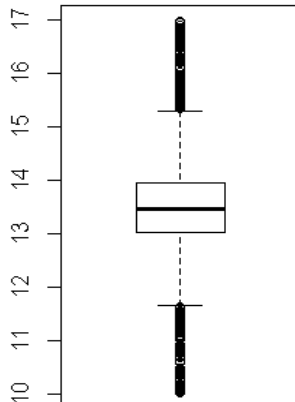


Name: _____

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.

Chapter 2: Displaying Data

Ch 2	a)	What is the mode?: About 12
	b)	about 50%
	d)	Name of frequency distribution: biomodal
	new	Estimate the median: about 12
	new	Describe how you estimated the median: <u>You find the value that is in the exact middle. The median in this case is probably similar to the mode, but it doesn't have to be.</u>
#20	new	Is the data shown in the boxplot to the right likely represent this data? Why or why not? <u>NO The histogram in the book is skewed, while this boxplot indicates a symmetrical distribution. The median of the boxplot is in the middle, while the median of the histogram in the book is off to one side</u>
		

Ch 2	a)	Principal 1: <u>represent magnitude accurately (skinny cones make determining height hard; the fact that the width varies implies that width means something, but it doesn't)</u>
		Principal 2: <u>make patterns in the data easy to see (hard to interpret y-axis b/c it is 3D and has depth; cones are separate from each other making it hard to compare; also purple background behind purple bars could cause problems)</u>
#30	b)	1) <u>y axis not labeled; no units</u>
		2) <u>x axis not labeled</u>

Name: _____

c) Redraw the graph by hand; doesn't have to be too pretty

barplot would be the best way to present the data

Ch 2	a	<u>boxplot</u>
#34	b	<u>a</u> / b / c / <u>d</u> / <u>e</u>
	c	a / <u>b</u> / <u>c</u> / d / e
	d	a / <u>b</u> / <u>c</u> / d / e
	e	a / b / c / <u>d</u> / e
	f	a / b / c / d / <u>e</u>
	g	a / b / <u>c</u> / d / e

Its b or c - I always forget which one is which is which (pos vs. neg). What's important is to know what skew is.

Ch 2	a)	<u>boxplot</u>
#36		Association: <u>Yes</u> / No
		Explain: <u>swearing increases latency; latency ~ swearing; swearing is associated with latency b/c latency increaes while swearing; the median depends on ifyou are swearing</u>
	b)	<u>smallest and largest "non-extreme" value; represent the range if there are no outliers</u>
	c)	
		1) <u>histogram</u> 2) <u>stripchart / dot plot / bargraph</u> ; NOT line graph, pie graph, scatterplot, cummulative dist.
	d)	

ENS 495 Fall 2016

Problem set: Chapters 2

Name: _____

Chapter 2: Displaying Data

Ch 2	a)
	b)
#20	d)
	new
	new
	new

Ch 2	a)
#30	
	b)

Name: _____

c)

Ch 2

a

#34

b

c

d

e

f

g

Ch 2

a)

#36

b)

c)

d)

Some students interpreted
"associated" as referring to "as non-
swearing and swearing similar"
That is, comparing nonswearing to