

## Other assessments for Pre-Stat course:

### Quiz 2 (about 6th week of 17-week semester)

#### Question: Are men larger than women?

Instructions:

Find an attribute for which men have significantly larger measurements than women. Make a graph to compare men and women for the measurement you chose. Use the concepts of shape, center, and spread to compare the two distributions. Explain how the data shows that men are larger than women for this measurement.

Repeat the instructions for an attribute for which the differences between men and women are not significant. (Make a graph, use concepts of shape, center and spread to compare the two distributions, explain how data shows men and women are not significantly different for this measurement.)

### Midterm 2 (about 11<sup>th</sup> week of 17-week semester)

Choose one question from each set. You will be answering three questions. Answer each question you chose with a written analysis that is supported by a graph and other relevant statistical tools. Remember that this is an opportunity to demonstrate your understanding of course concepts.

CHOOSE ONE:

- (1) In this data set is there an association between study time and sleep?
- (2) In this data set is there an association between the hours spent watching tv and the hours spent studying in a week?

CHOOSE ONE:

- (4) Do males in this sample exercise more than females?
- (5) In this data set do students who describe themselves as procrastinators send more text messages?

CHOOSE ONE:

- (6) Are males in this sample more likely to describe themselves as procrastinators?
- (7) In this data set are students who describe themselves as procrastinators less likely to also report that they always turn in their homework?

#### Body Measurements

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Attribute	Value	Unit	F...
Gender	male		
Age	21	years	
Height	174	cm	
Weight	65.6	kg	
Pelvic_dia	26	cm	
Chest_depth	17.7	cm	
Chest_dia	28	cm	
Elbow_dia	13.1	cm	
Wrist_dia	10.4	cm	
Knee_dia	18.8	cm	
Ankle_dia	14.1	cm	
Shoulder_girth	106.2	cm	
Chest_girth	89.5	cm	
Waist_girth	71.5	cm	
Abdominal_girth	74.5	cm	
Hip_girth	93.5	cm	
Thigh_girth	51.5	cm	
Bicep_girth	32.5	cm	
Forearm_girth	26	cm	
Knee_girth	34.5	cm	
Calf_girth	36.5	cm	
Ankle_girth	23.5	cm	
Wrist_girth	16.5	cm	
<new attribute>			

#### Math 909 Survey Fall 2010

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Attribute	Value	Unit
texts	20	
email	4	
work	0	
sleep	6.0	
games	0.0	
tv	4.0	
study	12.5	
exercise	12.5	
gender	female	
age	no	
status	yes	
family_educ...	yes	
grades	yes	
financial_aid	yes	
credit_cards	1	
absence	10	
homework	always	
procrastinate	yes	
multitask	yes	
sports_fan	yes	
music	rock	
Time_Taken	11:56 AM on...	
<new attribute>		