ENS 49	5 Fall 2	2017		
		Types of Models & ANOVA (Ch 9, 12, 15, 17)		
		<del></del>		
		mong students is encouraged but all answers must be written in your own words. Points will be		
deduc	ted if y	you answers are identical to other students.		
Chapte	er 9: C	ontingency analysis: associations between categorical variables Termites		
Ch 9	NEW	How is the data for this question organized:		
21	NEW	What is the response variable?		
pg	NEW	What is the predictor variable?		
264	NEW	What type of data is the response variable?		
	NEW	What type of data is the predictor variables?		
		How many groups are there in the predictor variable?		
		Genotypes at codon 129		
Ch 9	new	How is the data for this question organized:		
pg	new	The predictor variable is "age". How many groups are there?		
267	new The predictor variable is "genotype". How many groups are there?  new If "age" was given as a number (eg 28 years old) what type of variable would it be?  new What if the values for the MM and MV genotypes were combined so that the response variable had 2 groups.			
		M_ and VV (where _ = M or V). If we treat age as a real number (not justold vs young) and use this new		
		response variable (M_ vs VV), what type of regression would we use? (this was first mentioned on Wed		
		10/15 and followed up on 10/27; also discussed in Ch. 17.9) regression		
	new	Explain when this type of regression is used:		
From "	Reviev	v Problems" after chapter 9		
		MathWorld Web Page (page 272)		
Rev		Explain why this statement is false:		
Prob				
14				

## Problem Set: Chapter 12: Comparing 2 means (t-tests)

	Spinocerebellar ataxia	
new	What type of error bars are these?	
365 b	Read section 12.6 (pg 346-347) to answer this question Explain why it is possible to predict the outcome of a statistical test b what is that outcome? State in terms of an approximate p value (p>0	= :
	What term do I use to describe the difference between the 2 means	5?
new	What type of test would you use:	
new	Redraw the graph in this box graph so that the opposite conclureached	usion would be
the scatte	r plot to the right, what type of variables is on	560
axis <u>: Nu</u>	meric / Numeric count / Factor / Other meric / Numeric count / Factor / Other	(N) 540 \$520 \$500 \$500 \$480 \$460 \$440
hat type o	f plot is this?	a 460 440

The following statement has a minor mistake, but it drives me nuts. What isi t?

What type of method would you use to analyze these data?

"There was a significant differene between the control and the group that received the anti-malarial treatment (t = 2.43432, p = 0.0034243, df = 16, difference = 13.34123, CI = 10.012 - 15.3434)"

440 420 400

1960

1980

2000

Year

2020

What is the miskate? \_\_\_\_\_\_-

