Biology 4605 / 7220	Name
Quiz #8a (revised)	4 November 2015
1. For each of the following two named tests, write a gen model to partition the degrees of freedom and fill in the fir table. The list of sources of variance should match the mo the response variable has 50 values (samples size = 50). U Q = response variable X1, X2 = regression (explanatory) variable or varia F1, F2 = factor (categorical explanatory) variable of	neral linear model, then use the rst two columns in the ANOVA del that you write. Assume that Use the following symbols. ables or variables
t-test	
glm:	Source df

Source

df

ANCOVA WILL J Callegones	ANCOVA	with 3	5 cates	gories
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1	
gim:	 _

2. The energy value (in kilocalories) was measured from fruit in a total of 72 mango trees (*Mangifera indica*) grown in three geographic regions ( $3 \times 24 = 72$ ).

Define response and explanatory variables, with symbols.

Using your symbols, write a general linear model to analyze whether energy content depends on geographic region, then use the general linear model you wrote to complete the first two columns of an ANOVA table.

glm:	Source	df
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