

For the following tests list the number of regression (ratio scale) explanatory variables, the number of nominal scale explanatory variables (factors), and the number of interaction terms. Write a GLM with df below each term.

	Regression	Factors	Interaction
1. Paired comparison of reaction times in 30 subjects, before and after alcohol intake.	_____	_____	_____

GLM: \_\_\_\_\_ = \_\_\_\_\_  
df: \_\_\_\_\_

2. Carpal tunnel symptom severity with and without surgery, in 4 different hospitals (ntotal = 32)	_____	_____	_____
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GLM: \_\_\_\_\_ = \_\_\_\_\_  
df: \_\_\_\_\_

3. Regression analysis of growth rates in 25 babies as a function of birth weight	_____	_____	_____
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GLM: \_\_\_\_\_ = \_\_\_\_\_  
df: \_\_\_\_\_

4. With the bicycle ECG stress test, does maximum power output by male and female patients depend on whether the investigator is male or female? ntotal = 27	_____	_____	_____
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GLM: \_\_\_\_\_ = \_\_\_\_\_  
df: \_\_\_\_\_