For the following tests list the number of 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.

	Ratio	Factors	Interaction
1. Oneway ANOVA comparing hematocrit in 3 treated groups and one control group. N = 10 in each group.	0	1	0
df total = (10*4) - 1 39 = 1 + 38			
2. Twoway ANOVA for BACI design (before / after at control and impacted sites, in environmental assessment). N = 4 me before impact, then 4 more at control and impact and impact of the state of the st			1 e impact, 4 at impacted
df total = (4*4) - 1 15 = 1 + 1 + 1 + 12			
3. Paired comparison of reaction times in 30 subjects, before and after alcohol intake.  df total = (2*30) - 1 59 = 1 + 29 + 29	0	2	0
4. Carpal tunnel symptom severity with and without surgery, in 4 different hospitals (ntotal = 32)	0_	2	1
df total = 32 - 1 31 = 1 + 3 + 3 + 24			
5. Regression analysis of growth rates in 25 babies as a function of birth weight	1_	0	0
df total = 25 - 1			