

Tables from Statistica

Loading the csv files, these are the results from Statistica, used as reference in the glm testing function fir limo meeg

ANOVA 2 groups

	Test of SS Whole Model vs. SS Residual				
	R ²	df Model	df Residual	F	p
2 gp	0.543624	1	8	9.529412	0.014958

	df	SS	MS	F	p
effect	1	32.4000	32.4000	9.52941	0.014958
error	8	27.2000	3.4000		

ANOVA 3 groups

	Test of SS Whole Model vs. SS Residual				
	R ²	df Model	df Residual	F	p
3 gp	0.582166	2	12	8.359777	0.005321

	df	SS	MS	F	p
effect	2	47.5048	23.7524	8.3598	0.005321
error	12	34.0952	2.8413		

	estimate	std	t	p
[1 -1 0]	3.28571	0.986990	3.32902	0.006009
[0 1 -1]	-3.95238	1.163179	-3.39791	0.005290

2 ways ANOVA (factorial)

	Test of SS Whole Model vs. SS Residual				
	R ²	df Model	df Residual	F	p
2 factors	0.6939	4	10	5.668217	0.012004

	df	SS	MS	F	p
Effect 1	2	51.8251	25.9126	10.3755	0.003637
Effect 2	2	9.1204	4.5602	1.8259	0.210885
error	10	24.9749	2.4975		

2 ways ANOVA (factorial) with interaction

	Test of SS Whole Model vs. SS Residual				
	R ²	df Model	df Residual	F	p
2 factors	0.482900	5	6	1.120635	0.438895

	df	SS	MS	F	p
Effect 1	1	18.7500	18.7500	3.57143	0.107679
Effect 2	2	0.1667	0.0833	0.01587	0.984293
interaction	2	10.5000	5.2500	1.00000	0.421875
error	6	31.5000	5.2500		

3 ways ANOVA with interaction

	Test of SS Whole Model vs. SS Residual				
	R ²	df Model	df Residual	F	p
3 factors	0.693136	11	12	2.464115	0.068242

	df	SS	MS	F	p
Effect 1	2	7.5833	3.7917	1.1974	0.335633
Effect 2	1	0.6667	0.6667	0.2105	0.654555
Effect 3	1	6.0000	6.0000	1.8947	0.193810
Interaction 12	2	31.5833	15.7917	4.9868	0.026526
Interaction 23	2	0.7500	0.3750	0.1184	0.889347
Interaction 31	1	0.1667	0.1667	0.0526	0.822409
Interaction123	2	39.0833	19.5417	6.1711	0.014353
error	12	38.0000	3.1667		

Simple Regression

	Test of SS Whole Model vs. SS Residual				
	R ²	df Model	df Residual	F	p
1 var	0.031613	1	13	0.424388	0.526105

Multiple Regression

	Test of SS Whole Model vs. SS Residual				
	R ²	df Model	df Residual	F	p
2 factors	0.081383	2	12	0.531554	0.600908

	df	SS	MS	F	p
Effect 1	1	1.4775	1.4775	0.23653	0.635482
Effect 2	1	4.0612	4.0612	0.65014	0.435751
error	12	74.9592	6.2466		

	Partial	Semi-Partial	t	p
Var 1	-0.1390328	-0.1345622	-0.4863471	0.6354819
Var 2	-0.2267025	-0.2230903	-0.8063135	0.4357508

➔ Note limo computes the part of variance explained (rather than like here giving the difference) to R2 along with F values, since it's the same stats, limo F must equal t^2

1 way ANCOVA

	Test of SS Whole Model vs. SS Residual				
	R ²	df Model	df Residual	F	p
3 variables	0.598562	4	10	3.727608	0.041627

	df	SS	MS	F	p
Cov1	1	0.0569	0.0569	0.0174	0.897759
Cov2	1	1.3272	1.3272	0.4052	0.538737
Cat	2	42.2018	21.1009	6.4416	0.015938
error	10	32.7574	3.2757		

2 ways ANCOVA

	Test of SS Whole Model vs. SS Residual				
	R ²	df Model	df Residual	F	p
3 variables	0.706808	6	8	3.214315	0.065197

	df	SS	MS	F	p
Cat 1	2	43.5130	21.7565	7.2751	0.015840
Cat 2	2	8.8329	4.4165	1.4768	0.284533
Cont 1	1	0.1773	0.1773	0.0593	0.813750
Cont 2	1	0.7180	0.7180	0.2401	0.637294
error	8	23.9245	2.9906		