

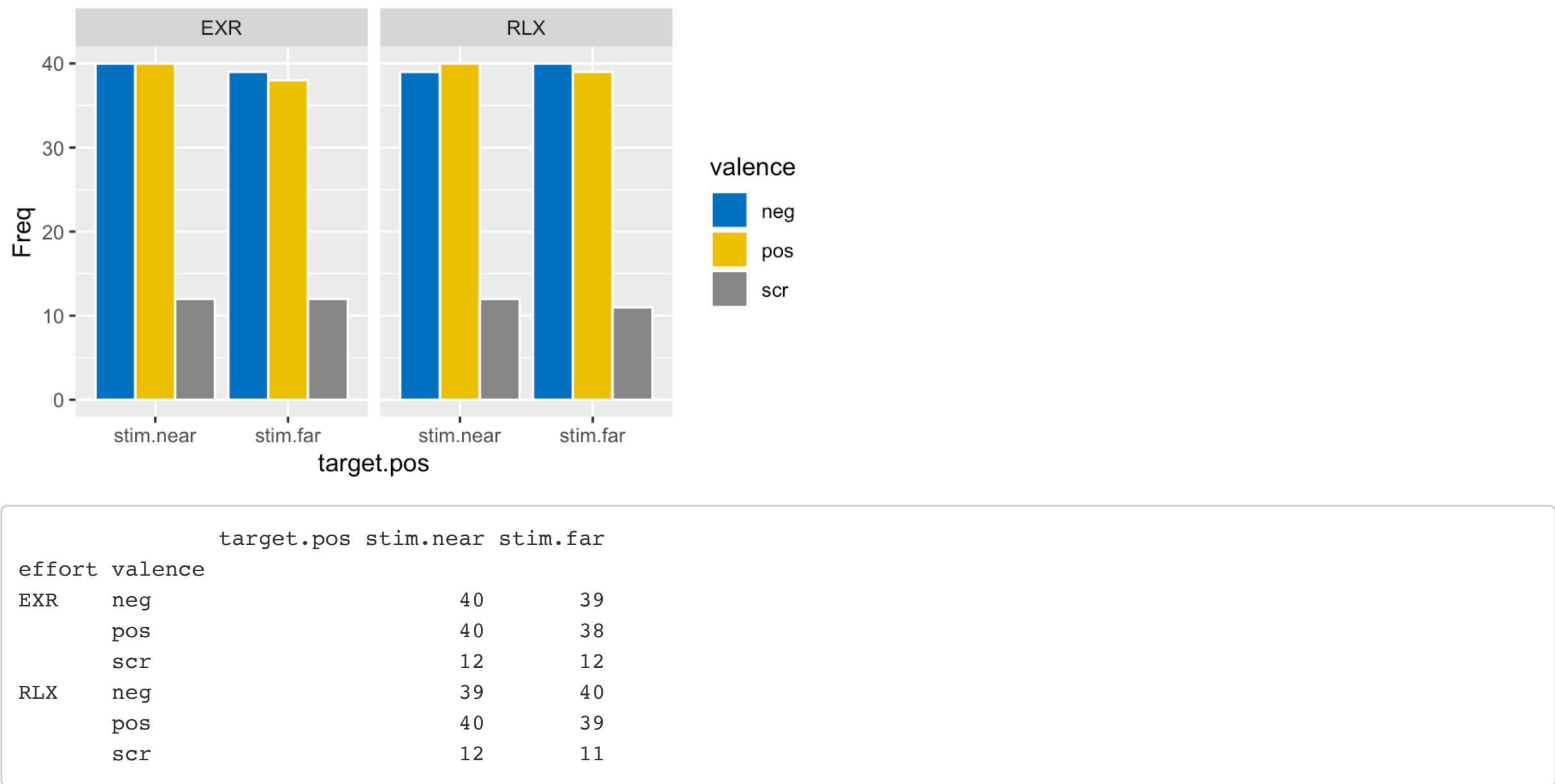
# EXP3 pilot, version 3 (invested effort)

## Subject 04

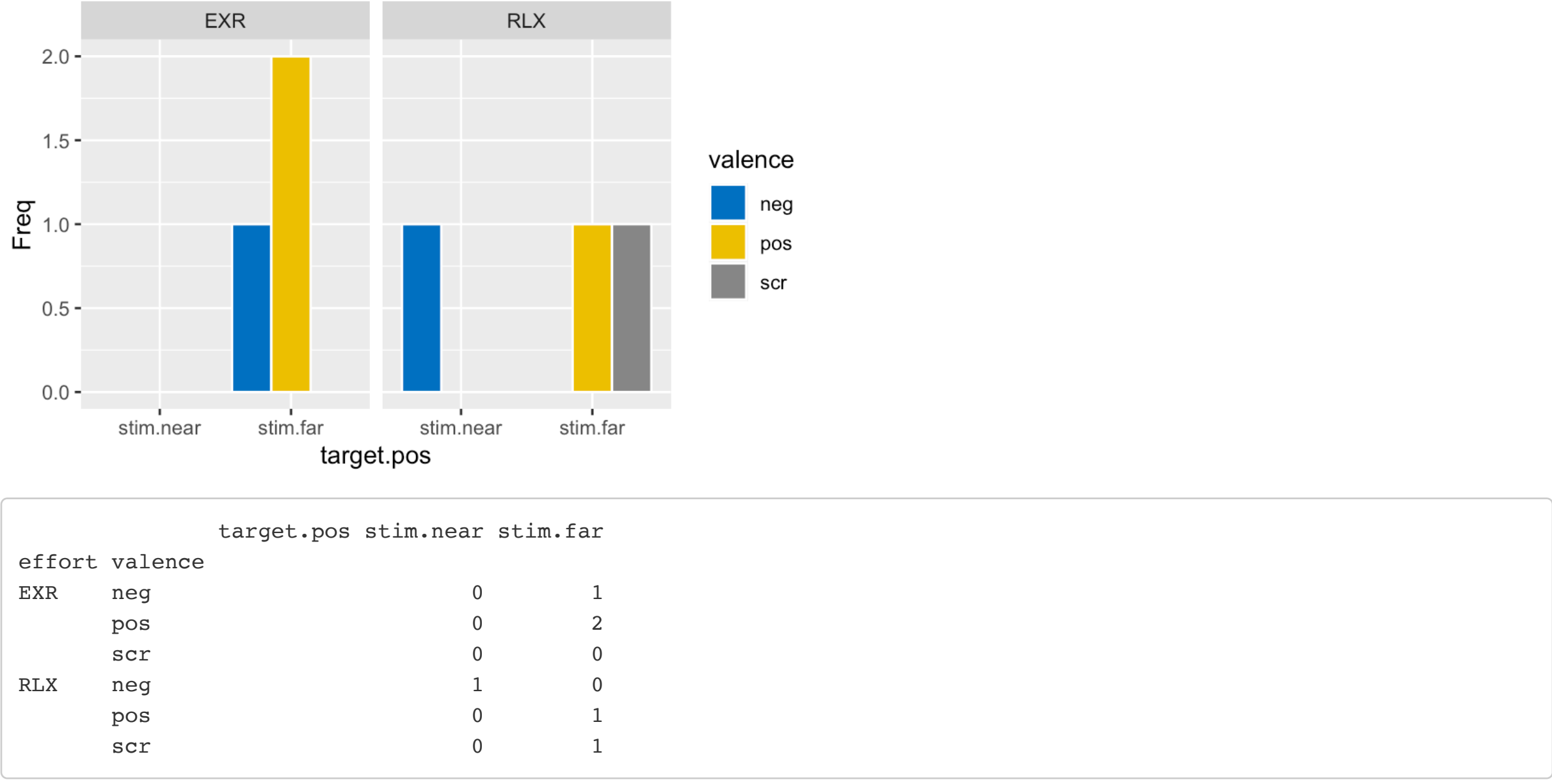
Abbreviations:

- *neg, pos, scr*: **negative**, positive, and scrambled faces, respectively
- *stim.near, stim.far*: position of the target (red ball) with respect to the face stimulus (*stim.near* = near the face stimulus)
- *EXR, RLX*: level of invested effort (EXR=max, RLX=min)

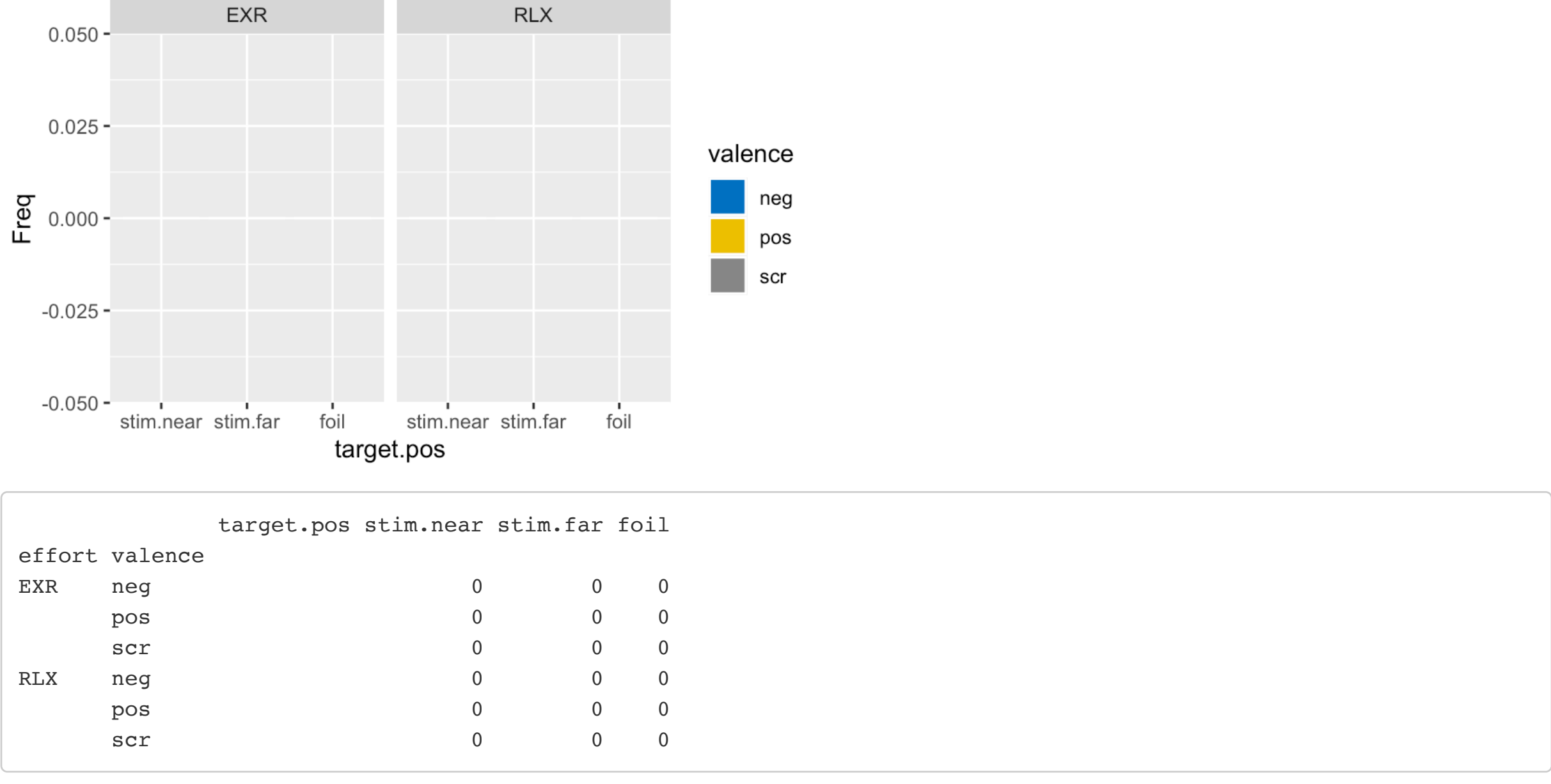
## Number of correct responses



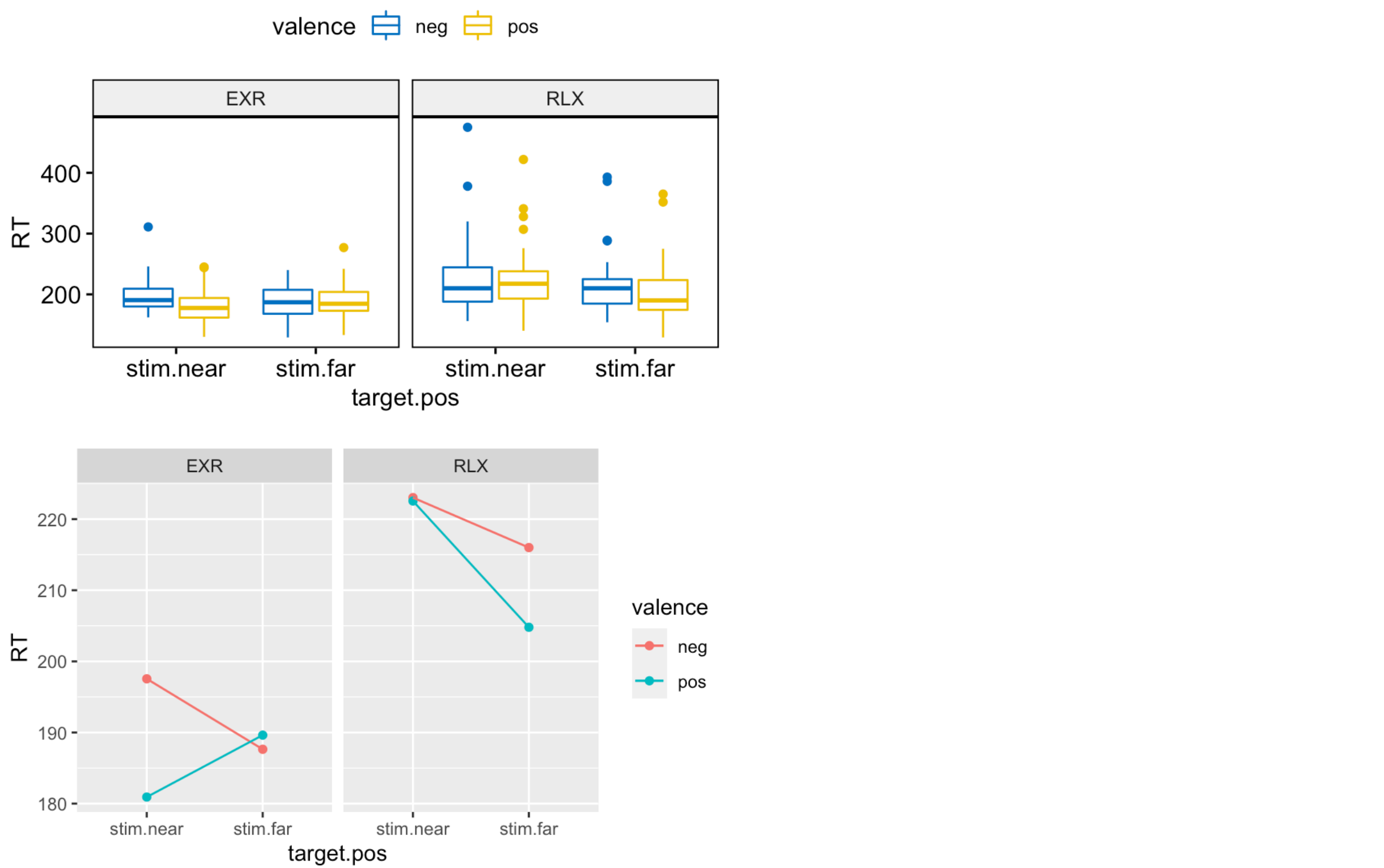
## Number of errors of omission



## Number of errors of commission



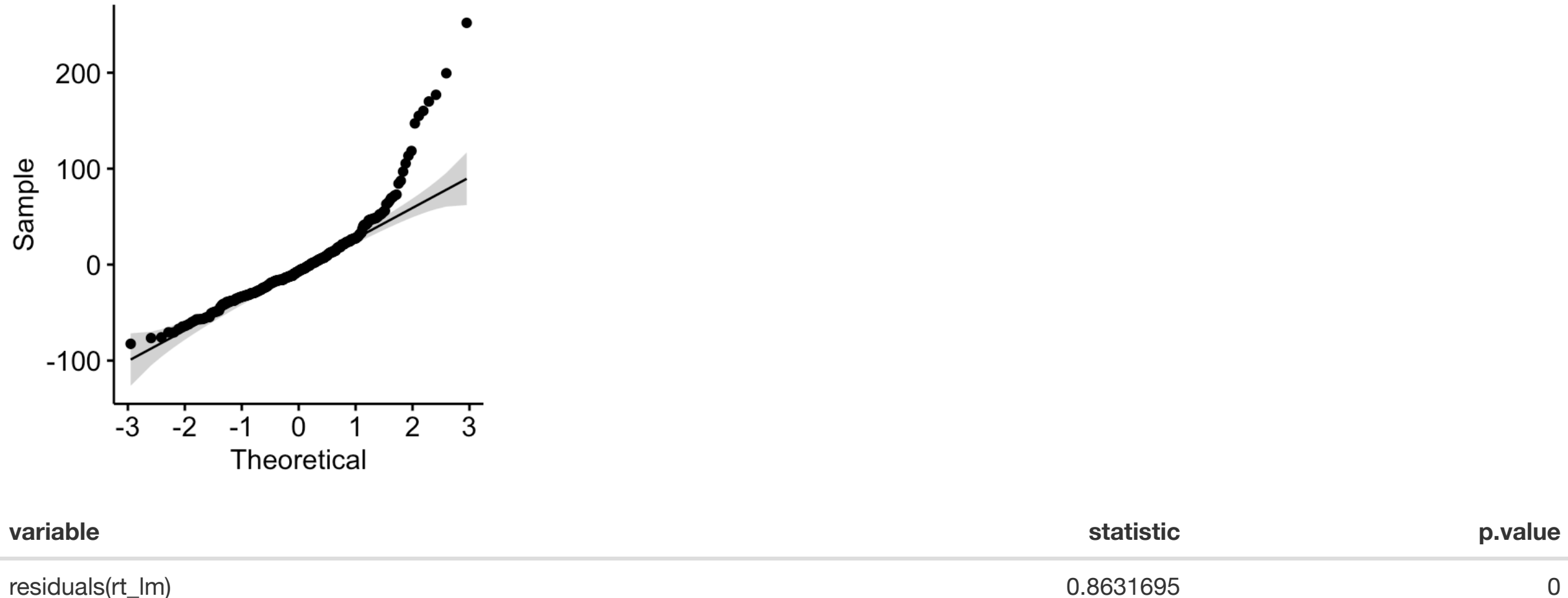
## Response times (correct trials only)



## Outliers

valence	effort	target.pos	block	run	RT	is.outlier	is.extreme
1	neg	EXR	stim.near	2	1 311	TRUE	TRUE
2	pos	EXR	stim.near	3	1 244	TRUE	FALSE
3	pos	EXR	stim.near	5	1 245	TRUE	FALSE
4	pos	EXR	stim.far	5	1 277	TRUE	FALSE
5	neg	RLX	stim.near	3	1 378	TRUE	FALSE
6	neg	RLX	stim.near	3	1 475	TRUE	TRUE
7	pos	RLX	stim.near	1	1 341	TRUE	FALSE
8	pos	RLX	stim.near	1	1 422	TRUE	TRUE
9	pos	RLX	stim.near	1	1 328	TRUE	FALSE
10	pos	RLX	stim.near	4	1 307	TRUE	FALSE
11	neg	RLX	stim.far	1	1 393	TRUE	TRUE
12	neg	RLX	stim.far	3	1 386	TRUE	TRUE
13	neg	RLX	stim.far	5	1 289	TRUE	FALSE
14	neg	RLX	stim.far	6	1 288	TRUE	FALSE
15	pos	RLX	stim.far	1	1 352	TRUE	FALSE
16	pos	RLX	stim.far	5	1 365	TRUE	FALSE

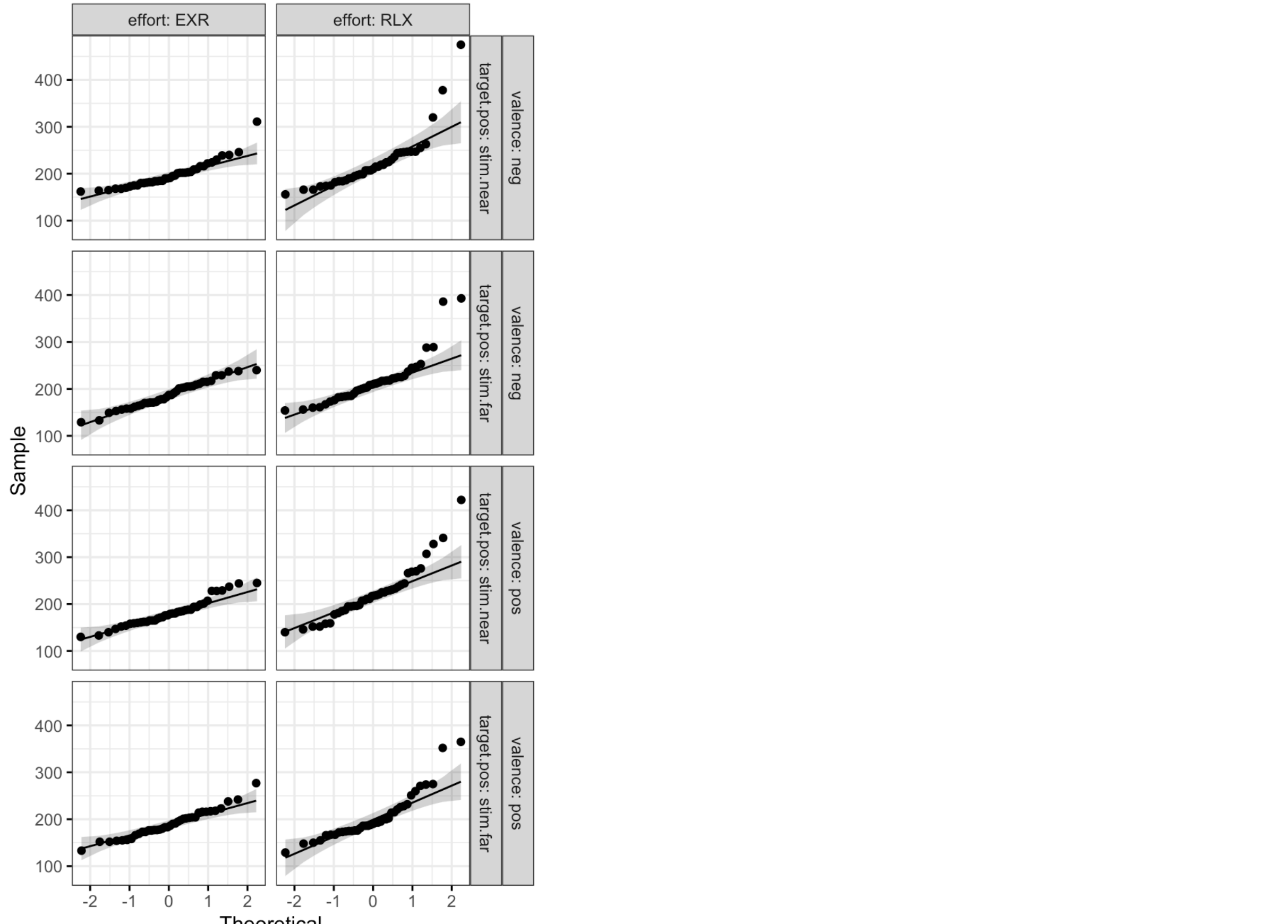
## Normality check (Shapiro-Wilk)



## Cell-wise normality check (Shapiro-Wilk)

valence	effort	target.pos	variable	statistic	p
neg	EXR	stim.near	RT	0.8650161	0.0002128
pos	EXR	stim.near	RT	0.9452848	0.0522584
neg	EXR	stim.far	RT	0.9750496	0.5279130
pos	EXR	stim.far	RT	0.9673374	0.3251454
neg	RLX	stim.near	RT	0.7485833	0.0000009
pos	RLX	stim.near	RT	0.9006621	0.0019985
neg	RLX	stim.far	RT	0.8014640	0.0000073
pos	RLX	stim.far	RT	0.8587894	0.0001770

## Cell-wise QQplot for each cell



## Homogeneity of variance

df1	df2	statistic	p
7	307	1.995685	0.0553914

## ANOVA on RTs

Effect	DFn	DFd	F	p	p<.05	ges
valence	1	307	1.842	0.176		0.006
target.pos	1	307	1.776	0.184		0.006
effort	1	307	31.99	3.55e-08	*	0.094
valence:target.pos	1	307	0.157	0.692		0.000512
valence:effort	1	307	0.027	0.869		8.84e-05
target.pos:effort	1	307	1.428	0.233		0.005
valence:target.pos:effort	1	307	2.231	0.136		0.007

valence	effort	target.pos	variable	n	mean	ci
neg	EXR	stim.near	RT	40	197.6	9.16
pos	EXR	stim.near	RT	40	180.9	9.283
neg	EXR	stim.far	RT	39	187.6	9.327
pos	EXR	stim.far	RT	38	189.6	9.596
neg	RLX	stim.near	RT	39	223	19.18
pos	RLX	stim.near	RT	40	222.6	18.04
neg	RLX	stim.far	RT	40	216	16.32
pos	RLX	stim.far	RT	39	204.8	16.35