

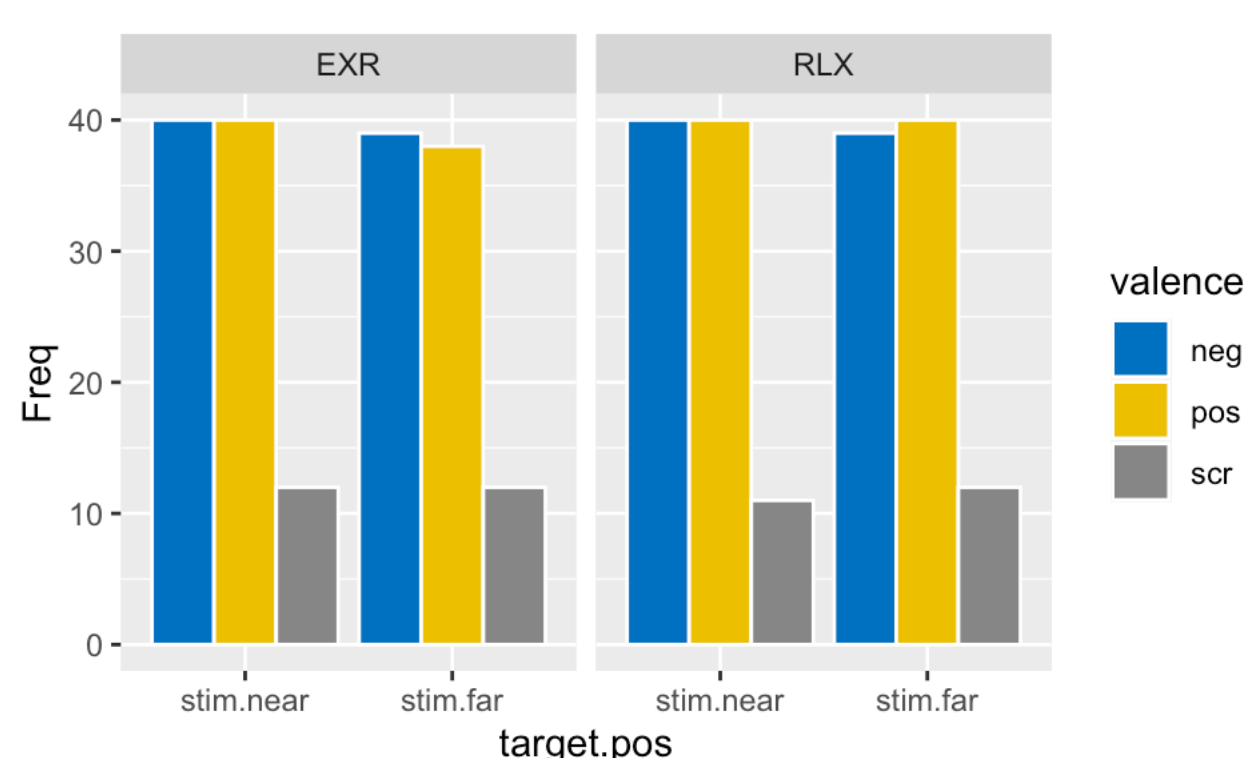
# EXP3 pilot, version 3 (invested effort)

## Subject 13

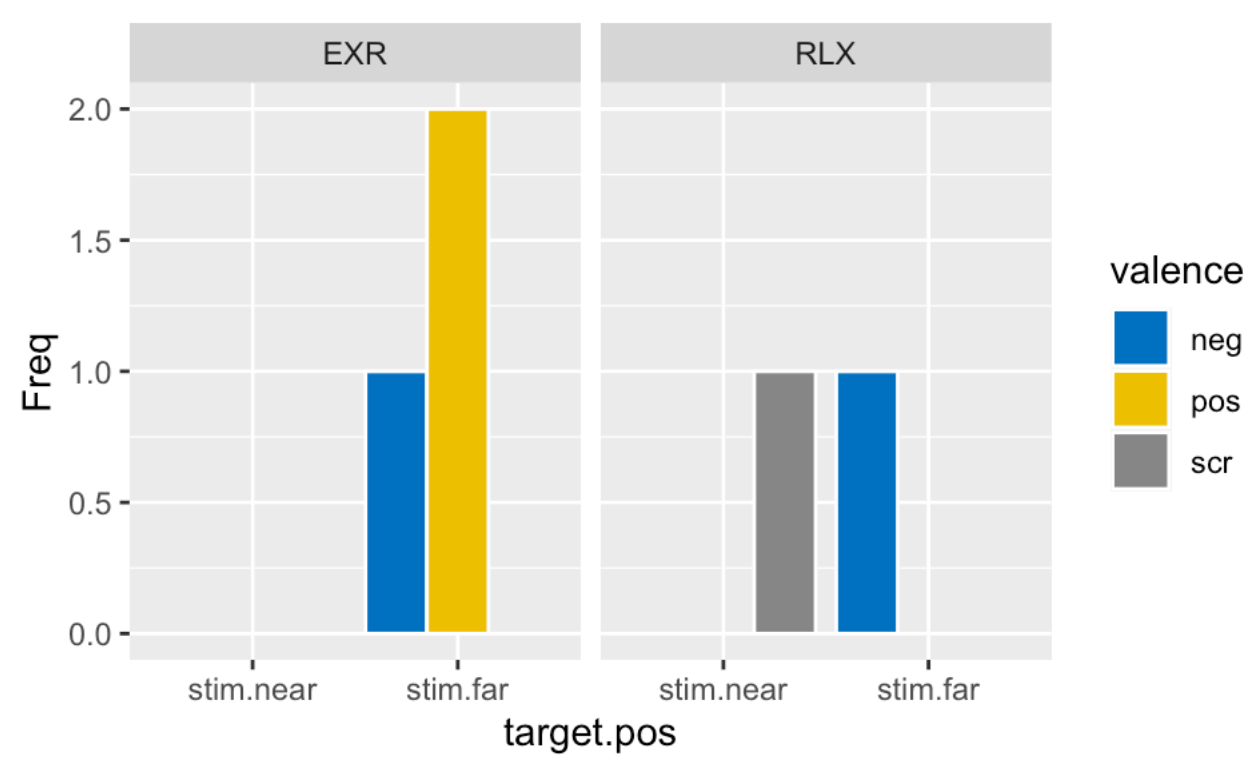
Abbreviations:

- *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)

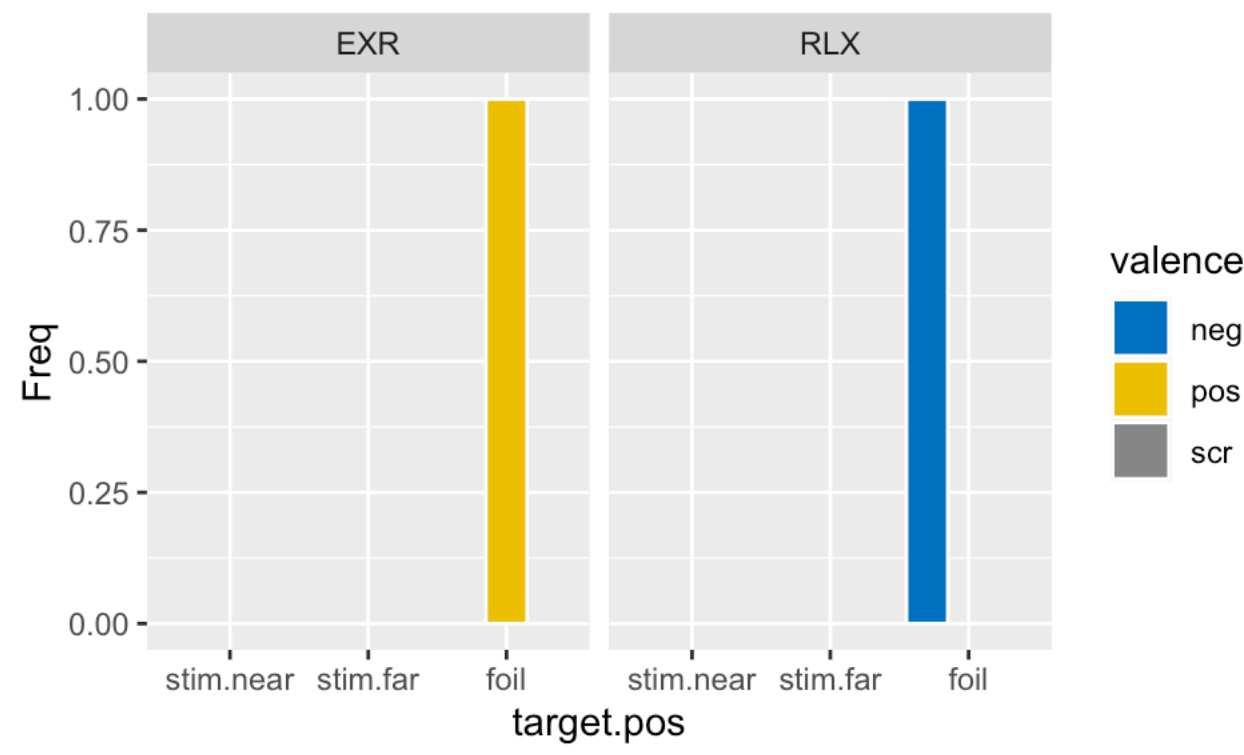
## Number of correct responses



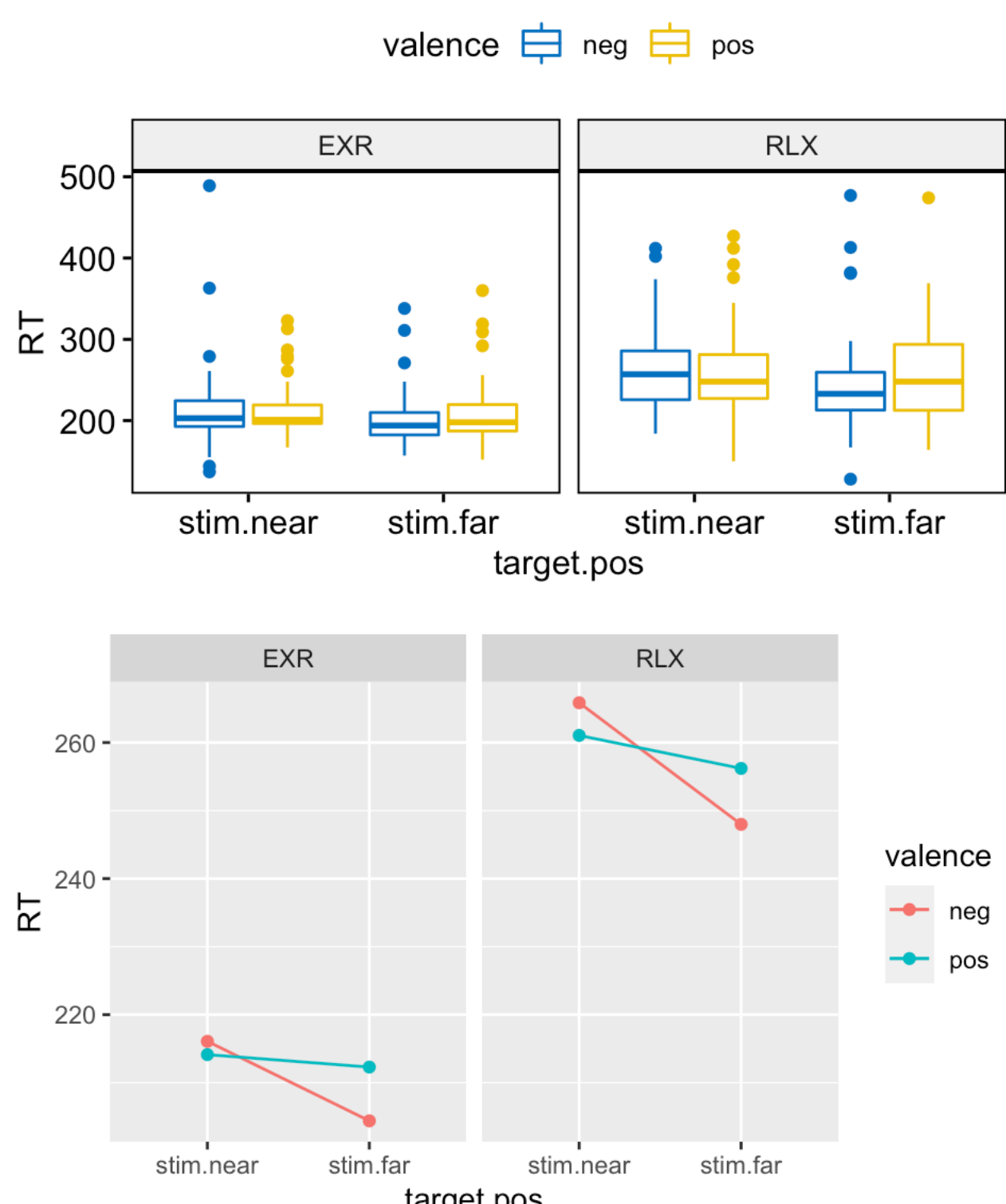
## Number of errors of omission



## Number of errors of commission



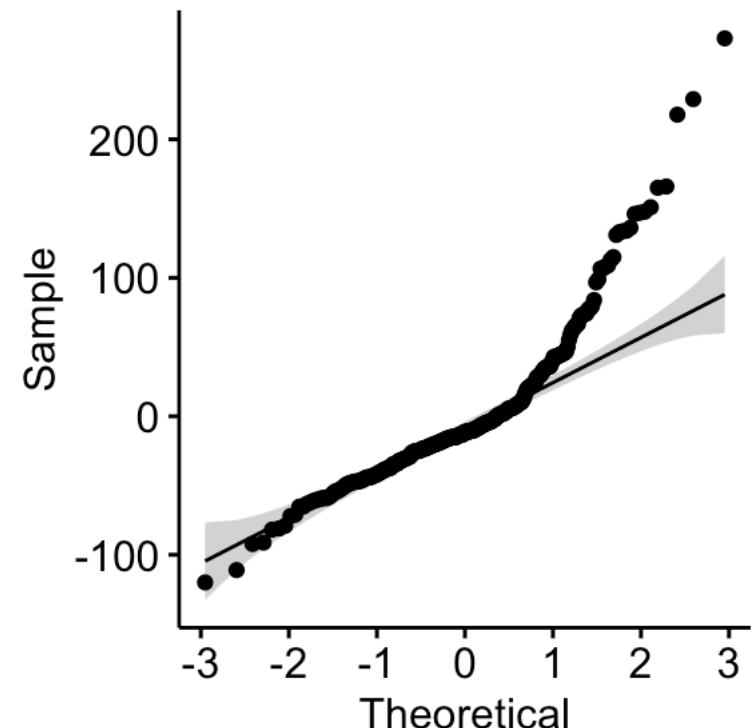
## Response times (correct trials only)



## Outliers

	valence	effort	target.pos	block	run	RT	is.outlier	is.extreme
1	neg	EXR	stim.near	2	1	279	TRUE	FALSE
2	neg	EXR	stim.near	8	1	363	TRUE	TRUE
3	neg	EXR	stim.near	5	1	144	TRUE	FALSE
4	neg	EXR	stim.near	5	1	137	TRUE	FALSE
5	neg	EXR	stim.near	7	1	489	TRUE	TRUE
6	pos	EXR	stim.near	2	1	261	TRUE	FALSE
7	pos	EXR	stim.near	2	1	279	TRUE	FALSE
8	pos	EXR	stim.near	4	1	313	TRUE	TRUE
9	pos	EXR	stim.near	6	1	323	TRUE	TRUE
10	pos	EXR	stim.near	7	1	287	TRUE	FALSE
11	pos	EXR	stim.near	8	1	276	TRUE	FALSE
12	neg	EXR	stim.far	2	1	311	TRUE	TRUE
13	neg	EXR	stim.far	6	1	338	TRUE	TRUE
14	neg	EXR	stim.far	7	1	271	TRUE	FALSE
15	pos	EXR	stim.far	4	1	292	TRUE	FALSE
16	pos	EXR	stim.far	1	1	360	TRUE	TRUE
17	pos	EXR	stim.far	8	1	319	TRUE	TRUE
18	pos	EXR	stim.far	3	1	309	TRUE	FALSE
19	neg	RLX	stim.near	3	1	402	TRUE	FALSE
20	neg	RLX	stim.near	3	1	412	TRUE	FALSE
21	pos	RLX	stim.near	1	1	376	TRUE	FALSE
22	pos	RLX	stim.near	1	1	427	TRUE	FALSE
23	pos	RLX	stim.near	1	1	412	TRUE	FALSE
24	pos	RLX	stim.near	4	1	392	TRUE	FALSE
25	neg	RLX	stim.far	1	1	382	TRUE	FALSE
26	neg	RLX	stim.far	1	1	381	TRUE	FALSE
27	neg	RLX	stim.far	5	1	413	TRUE	TRUE
28	neg	RLX	stim.far	8	1	128	TRUE	FALSE
29	neg	RLX	stim.far	8	1	477	TRUE	TRUE
30	pos	RLX	stim.far	1	1	474	TRUE	FALSE

## Normality check (Shapiro-Wilk)

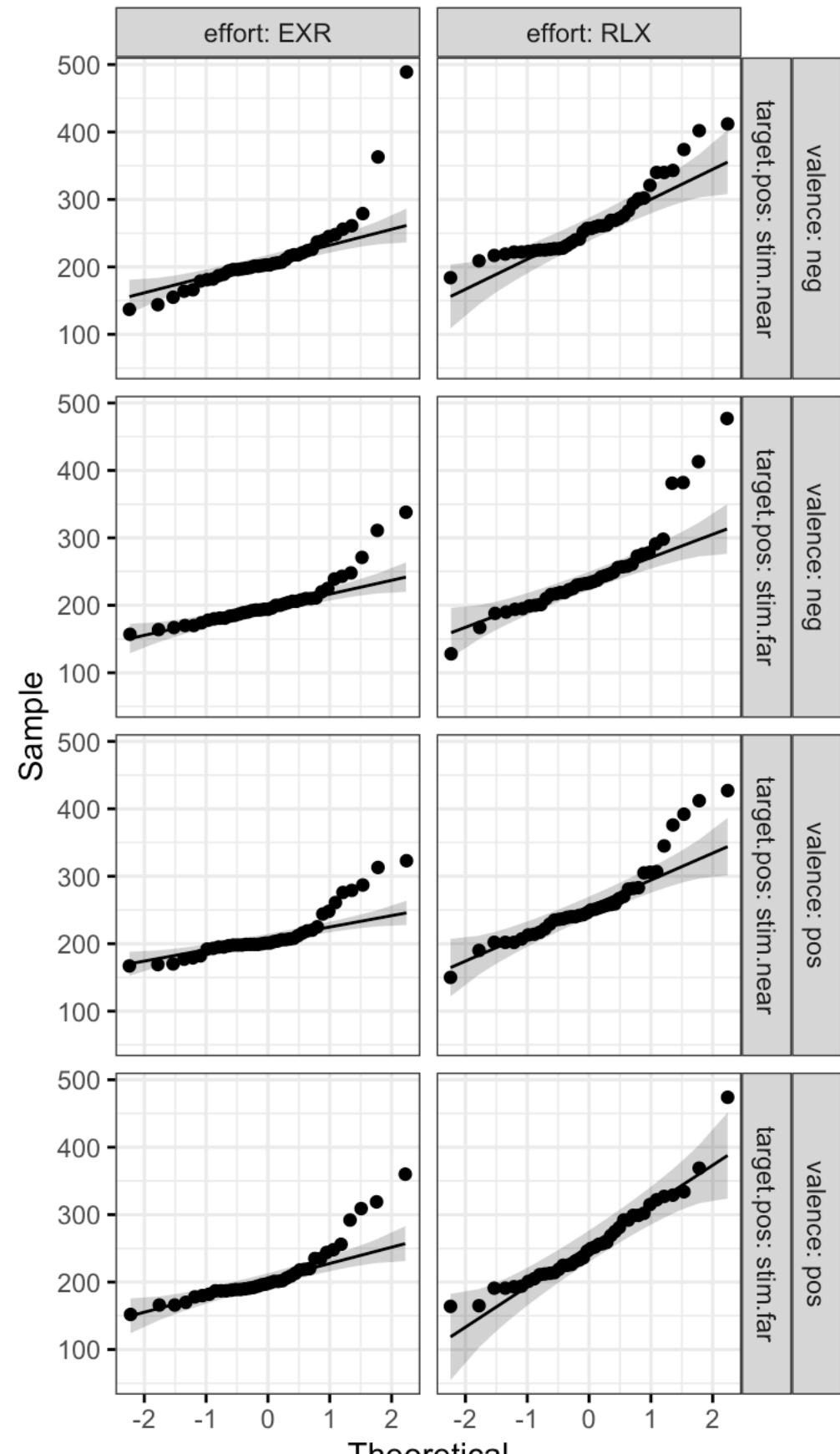


variable	statistic	p.value
residuals(rt_lm)	0.8655488	0

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

valence	effort	target.pos	variable	statistic	p
neg	EXR	stim.near	RT	0.7211732	0.0000002
pos	EXR	stim.near	RT	0.8246230	0.0000230
neg	EXR	stim.far	RT	0.8122554	0.0000152
pos	EXR	stim.far	RT	0.8266688	0.0000383
neg	RLX	stim.near	RT	0.8815872	0.0005810
pos	RLX	stim.near	RT	0.8877820	0.0008594
neg	RLX	stim.far	RT	0.8427637	0.0000729
pos	RLX	stim.far	RT	0.9214132	0.0085332

## Cell-wise QQplot for each cell



## Homogeneity of variance

df1	df2	statistic	p
7	308	1.783793	0.0899515

## ANOVA on RTs

Effect	DFn	DFd	F	p	p<.05	ges
valence	1	308	0.142	0.706		0.000462
target.pos	1	308	2.269	0.133		0.007
effort	1	308	58.53	2.59e-13	*	0.16
valence:target.pos	1	308	0.903	0.343		0.003
valence:effort	1	308	0.011	0.915		3.69e-05
target.pos:effort	1	308	0.146	0.703		0.000473
valence:target.pos:effort	1	308	0.017	0.895		5.62e-05

valence	effort	target.pos	variable	n	mean	ci
neg	EXR	stim.near	RT	40	216.1	18.89
pos	EXR	stim.near	RT	40	214.1	11.89
neg	EXR	stim.far	RT	39	204.4	12.02
pos	EXR	stim.far	RT	38	212.3	14.65
neg	RLX	stim.near	RT	40	265.9	17.02
pos	RLX	stim.near	RT	40	261	19.13
neg	RLX	stim.far	RT	39	248	21.72
pos	RLX	stim.far	RT	40	256.2	19.59