

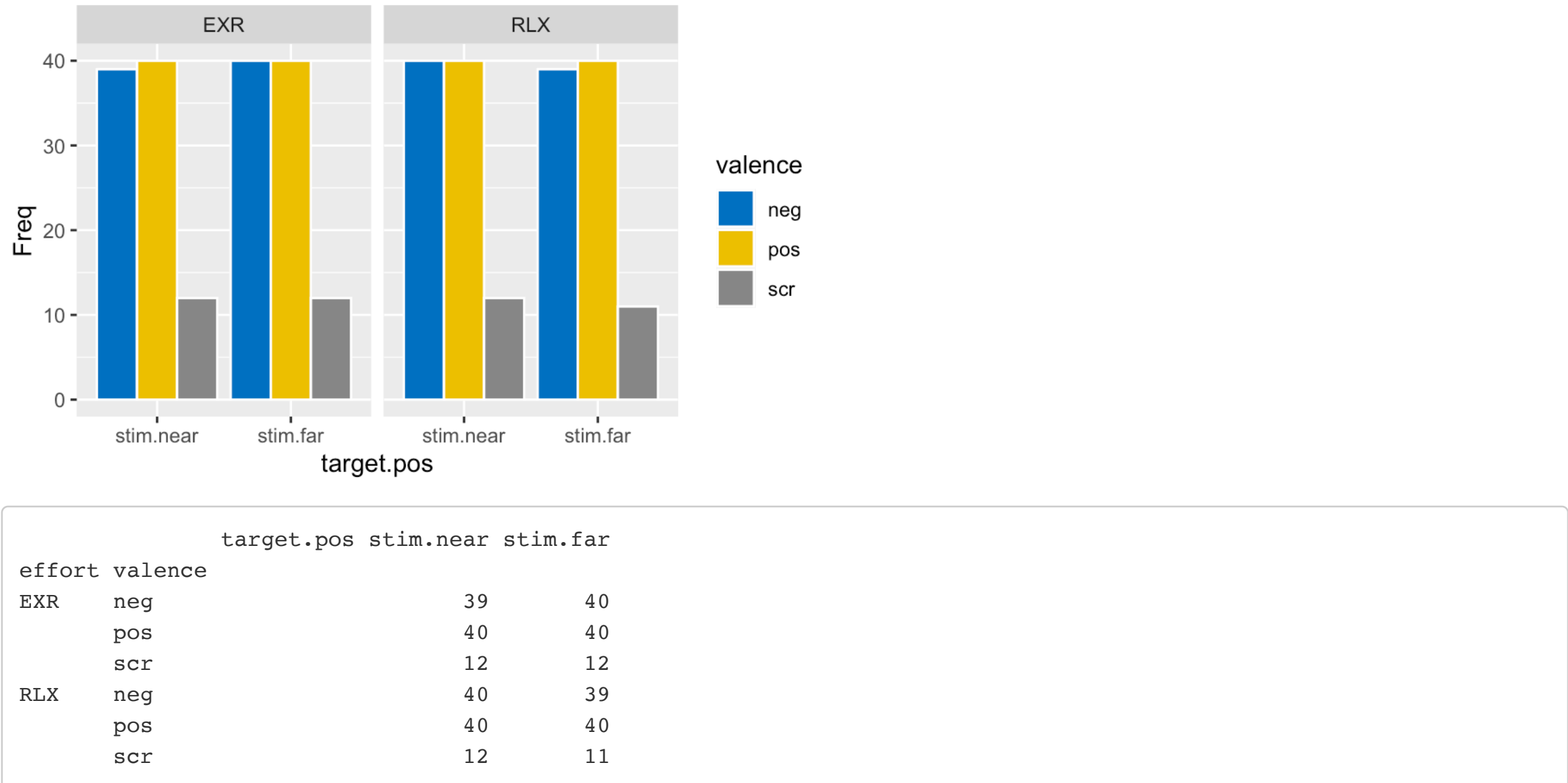
EXP3 pilot, version 3 (invested effort)

Subject 11

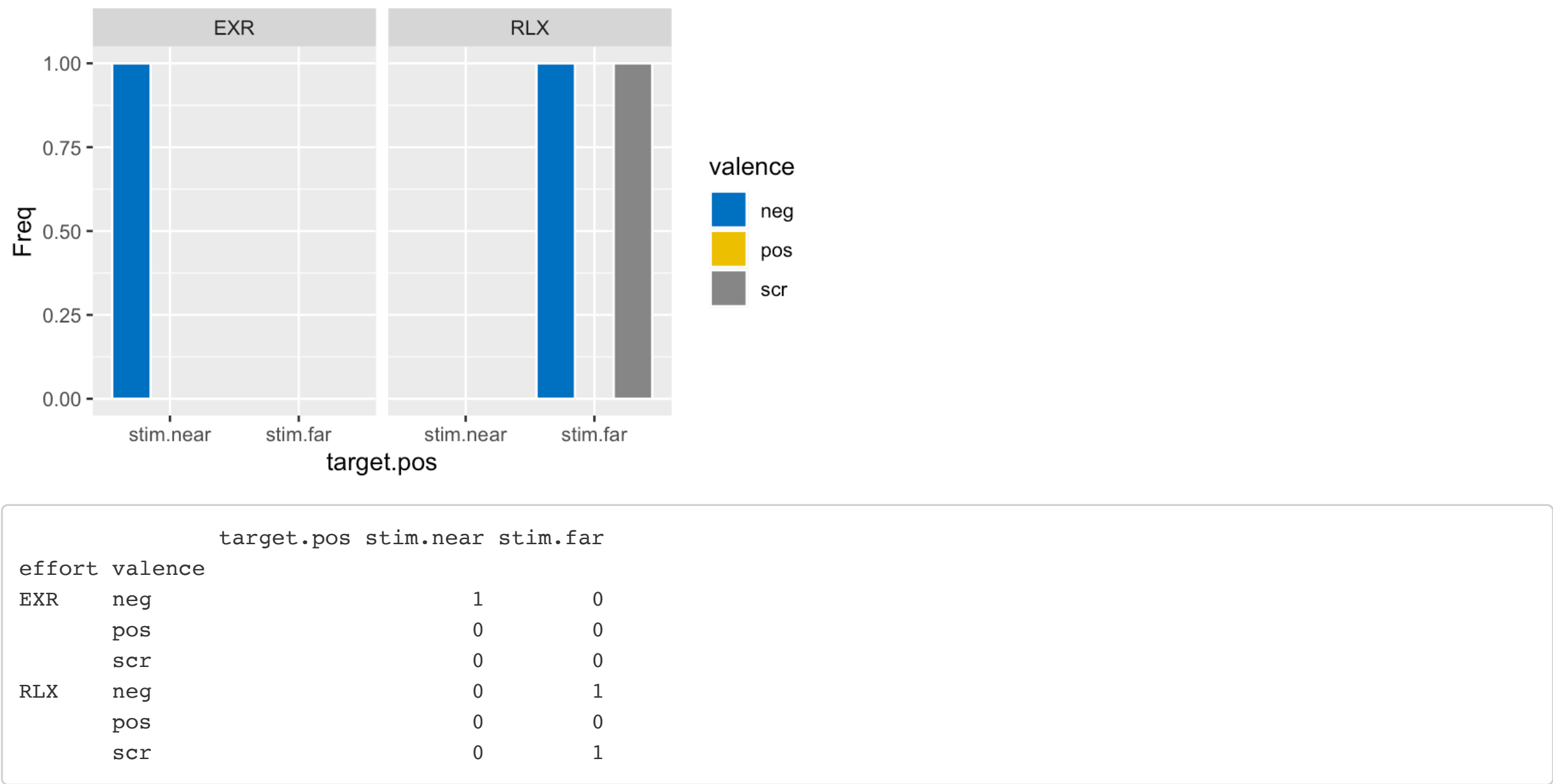
Abbreviations:

- *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



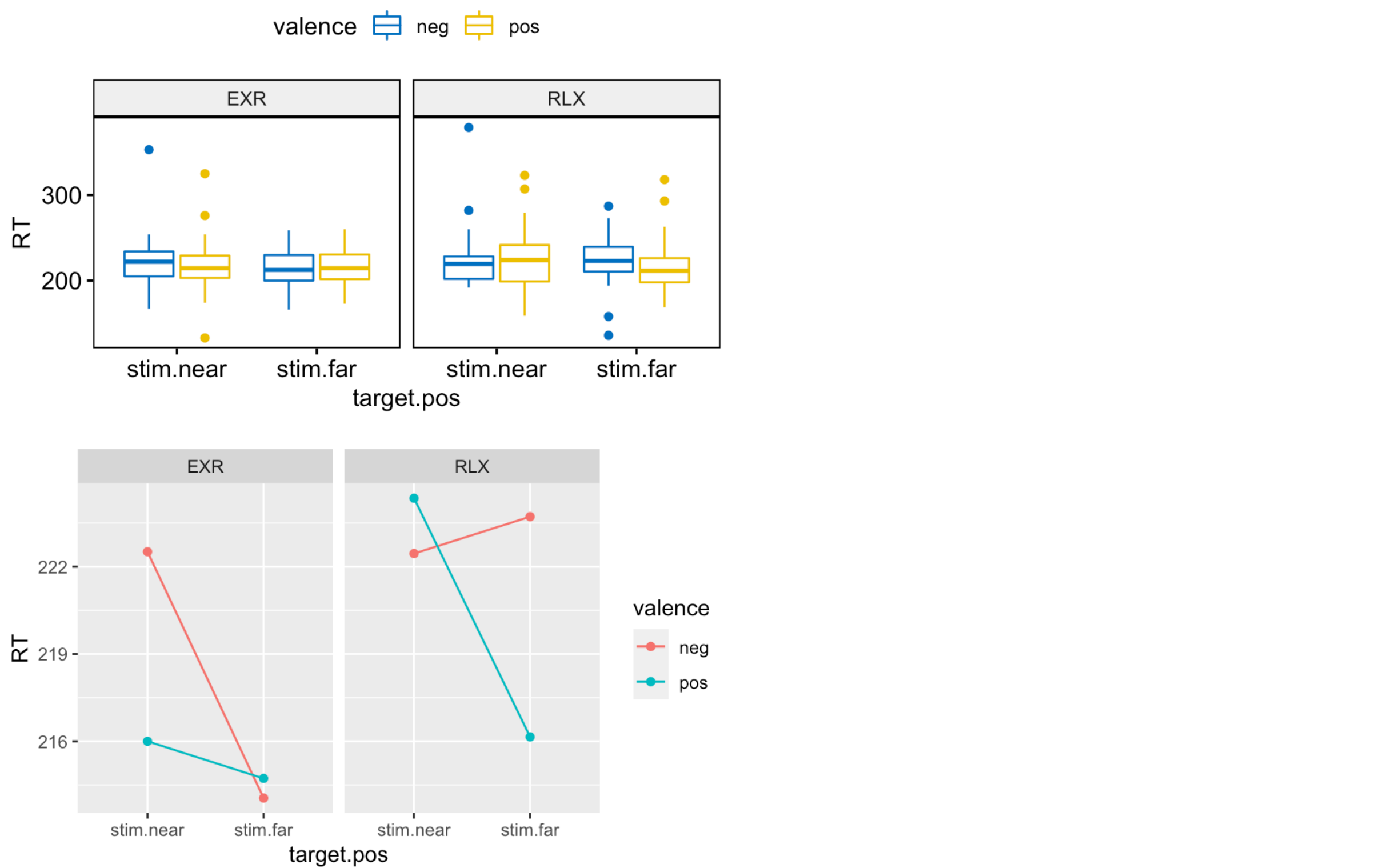
Number of errors of omission



Number of errors of commission



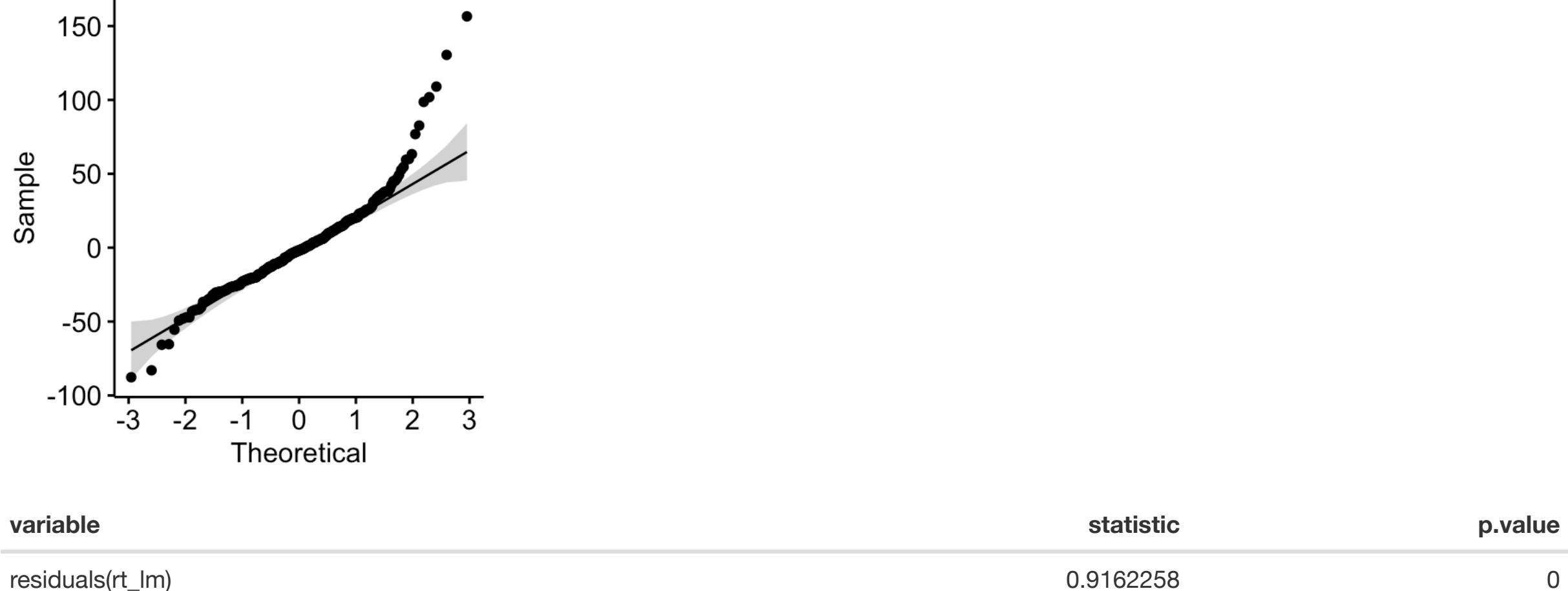
Response times (correct trials only)



Outliers

| | valence | effort | target.pos | block | run | RT | is.outlier | is.extreme |
|----|---------|--------|------------|-------|-----|-----|------------|------------|
| 1 | neg | EXR | stim.near | 3 | 1 | 353 | TRUE | TRUE |
| 2 | pos | EXR | stim.near | 2 | 1 | 276 | TRUE | FALSE |
| 3 | pos | EXR | stim.near | 8 | 1 | 133 | TRUE | FALSE |
| 4 | pos | EXR | stim.near | 8 | 1 | 325 | TRUE | TRUE |
| 5 | neg | RLX | stim.near | 6 | 1 | 282 | TRUE | FALSE |
| 6 | neg | RLX | stim.near | 8 | 1 | 379 | TRUE | TRUE |
| 7 | pos | RLX | stim.near | 5 | 1 | 307 | TRUE | FALSE |
| 8 | pos | RLX | stim.near | 4 | 1 | 323 | TRUE | FALSE |
| 9 | neg | RLX | stim.far | 1 | 1 | 287 | TRUE | FALSE |
| 10 | neg | RLX | stim.far | 4 | 1 | 158 | TRUE | FALSE |
| 11 | neg | RLX | stim.far | 6 | 1 | 136 | TRUE | FALSE |
| 12 | pos | RLX | stim.far | 1 | 1 | 293 | TRUE | FALSE |
| 13 | pos | RLX | stim.far | 6 | 1 | 318 | TRUE | TRUE |

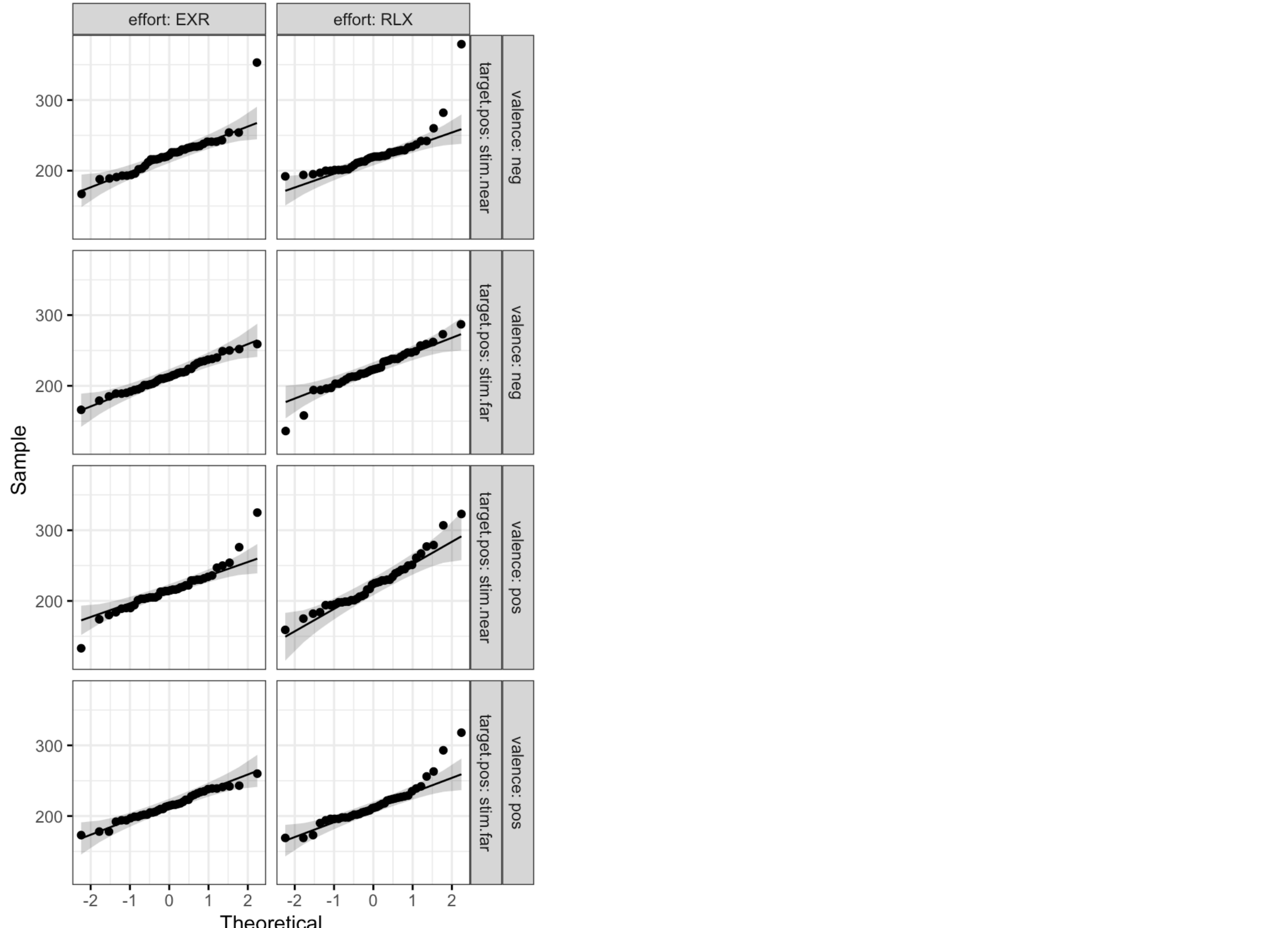
Normality check (Shapiro-Wilk)



Cell-wise normality check (Shapiro-Wilk)

| valence | effort | target.pos | variable | statistic | p |
|---------|--------|------------|----------|-----------|-----------|
| neg | EXR | stim.near | RT | 0.8157493 | 0.0000180 |
| pos | EXR | stim.near | RT | 0.9114396 | 0.0041856 |
| neg | EXR | stim.far | RT | 0.9883447 | 0.9485466 |
| pos | EXR | stim.far | RT | 0.9830125 | 0.7990242 |
| neg | RLX | stim.near | RT | 0.6667337 | 0.0000000 |
| pos | RLX | stim.near | RT | 0.9524701 | 0.0922425 |
| neg | RLX | stim.far | RT | 0.9602970 | 0.1824509 |
| pos | RLX | stim.far | RT | 0.8860253 | 0.0007684 |

Cell-wise QQplot for each cell



Homogeneity of variance

| df1 | df2 | statistic | p |
|-----|-----|-----------|-----------|
| 7 | 310 | 1.035238 | 0.4062603 |

ANOVA on RTs

| Effect | DFn | DFd | F | p | p<.05 | ges |
|---------------------------|-----|-----|----------|-------|-------|----------|
| valence | 1 | 310 | 0.8 | 0.372 | | 0.003 |
| target.pos | 1 | 310 | 1.714 | 0.191 | | 0.006 |
| effort | 1 | 310 | 2.313 | 0.129 | | 0.007 |
| valence:target.pos | 1 | 310 | 0.032 | 0.858 | | 0.000103 |
| valence:effort | 1 | 310 | 0.000178 | 0.989 | | 5.73e-07 |
| target.pos:effort | 1 | 310 | 0.045 | 0.832 | | 0.000145 |
| valence:target.pos:effort | 1 | 310 | 1.708 | 0.192 | | 0.005 |

| valence | effort | target.pos | variable | n | mean | ci |
|---------|--------|------------|----------|----|-------|-------|
| neg | EXR | stim.near | RT | 39 | 222.5 | 9.476 |
| pos | EXR | stim.near | RT | 40 | 216 | 9.658 |
| neg | EXR | stim.far | RT | 40 | 214 | 6.864 |
| pos | EXR | stim.far | RT | 40 | 214.7 | 6.308 |
| neg | RLX | stim.near | RT | 40 | 222.4 | 10.01 |
| pos | RLX | stim.near | RT | 40 | 224.3 | 11.03 |
| neg | RLX | stim.far | RT | 39 | 223.7 | 9.25 |
| pos | RLX | stim.far | RT | 40 | 216.2 | 9.346 |