

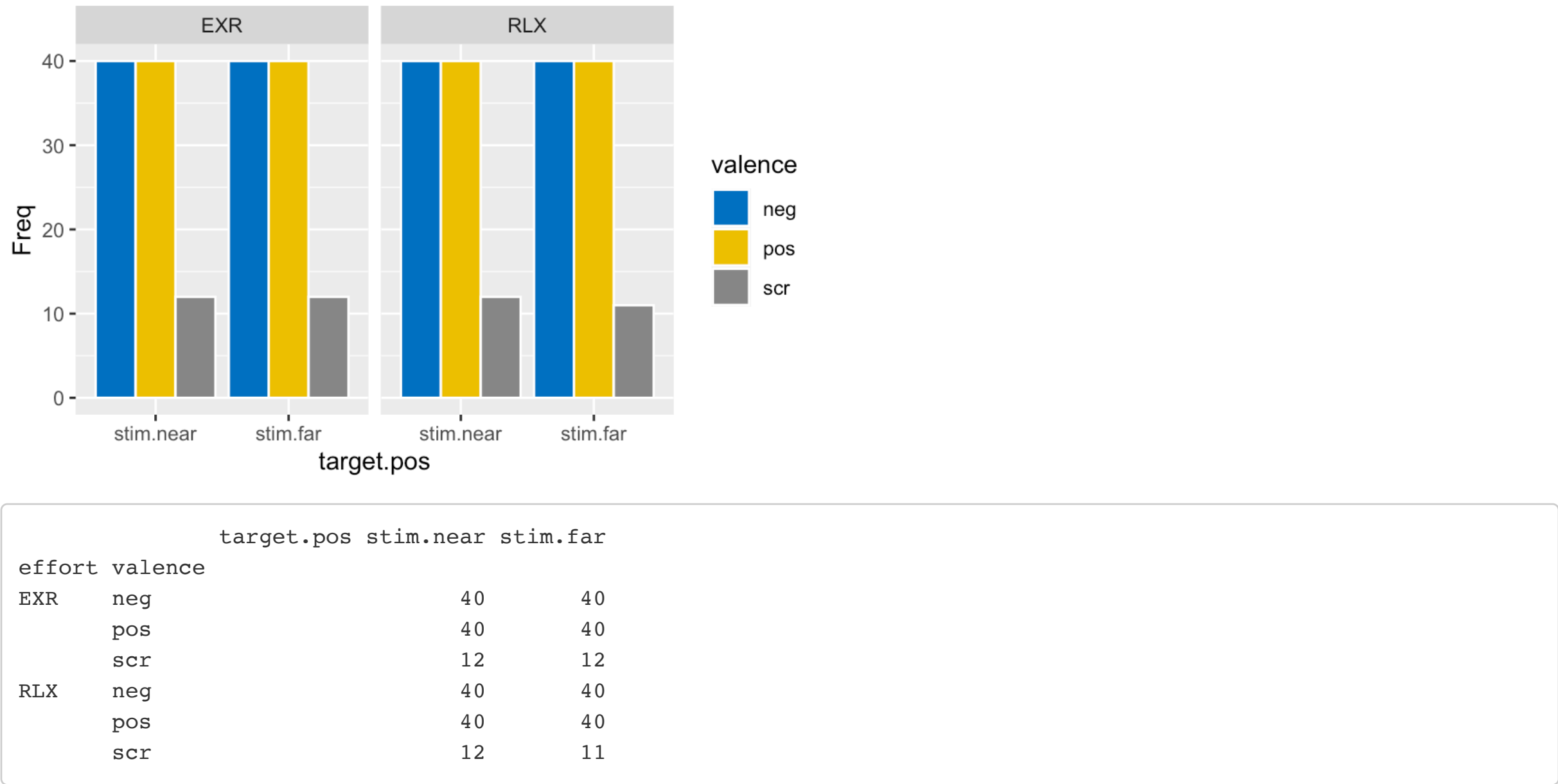
EXP3 pilot, version 3 (invested effort)

Subject 10

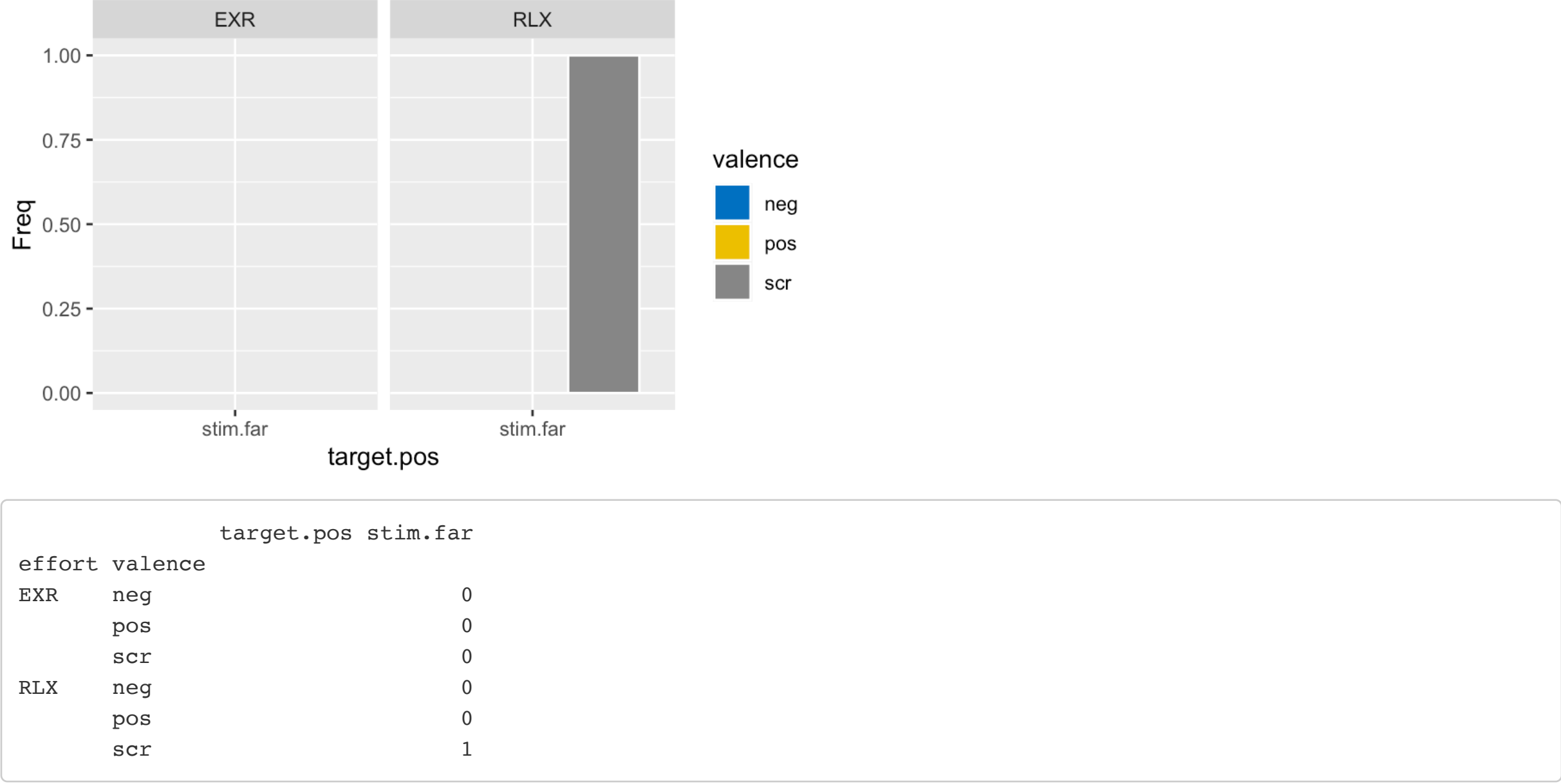
Abbreviations:

- *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



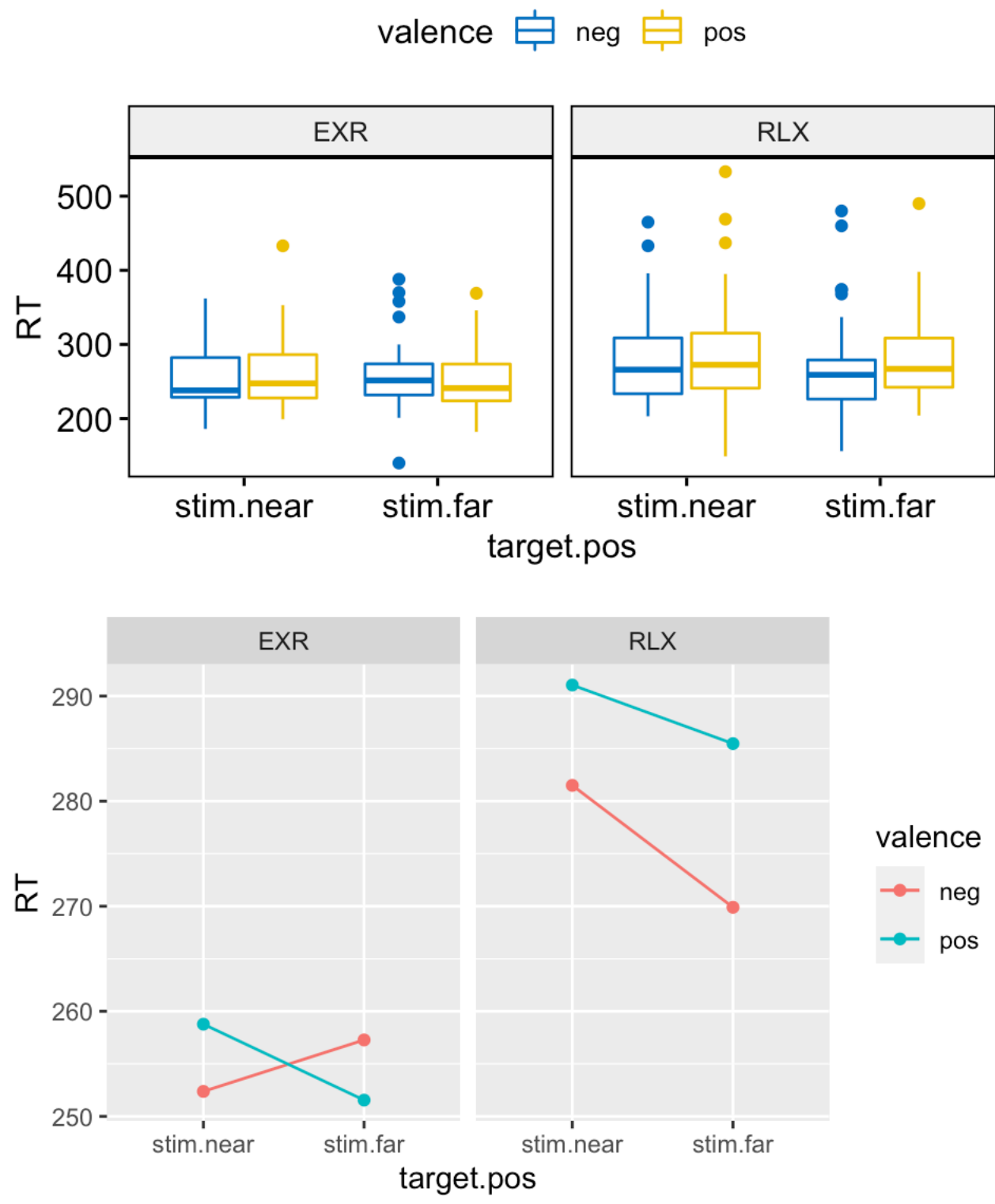
Number of errors of omission



Number of errors of commission



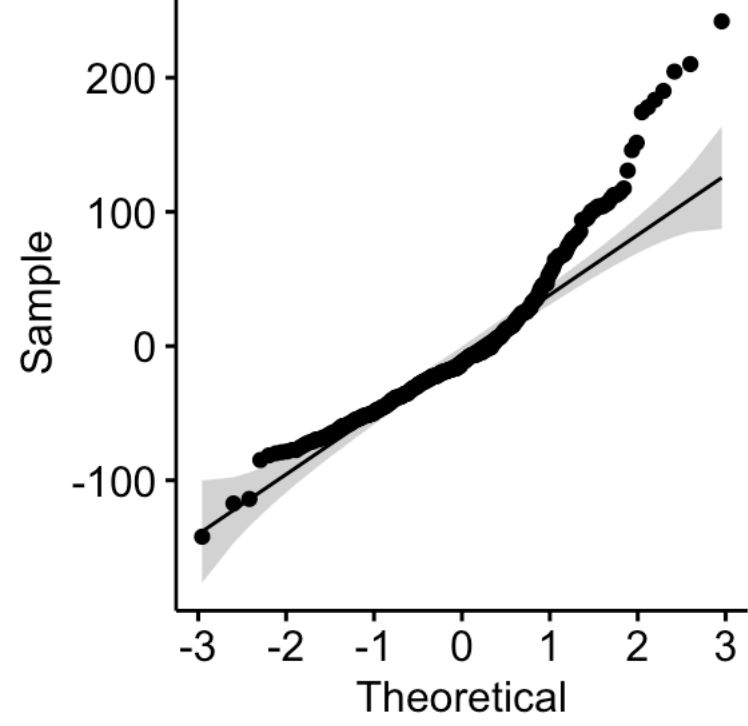
Response times (correct trials only)



Outliers

| valence | effort | target.pos | block | run | RT | is.outlier | is.extreme |
|---------|--------|------------|-----------|-----|-------|------------|------------|
| 1 | pos | EXR | stim.near | 5 | 1 433 | TRUE | FALSE |
| 2 | neg | EXR | stim.far | 2 | 1 388 | TRUE | FALSE |
| 3 | neg | EXR | stim.far | 4 | 1 358 | TRUE | FALSE |
| 4 | neg | EXR | stim.far | 6 | 1 370 | TRUE | FALSE |
| 5 | neg | EXR | stim.far | 1 | 1 337 | TRUE | FALSE |
| 6 | neg | EXR | stim.far | 4 | 1 140 | TRUE | FALSE |
| 7 | pos | EXR | stim.far | 6 | 1 369 | TRUE | FALSE |
| 8 | neg | RLX | stim.near | 3 | 1 433 | TRUE | FALSE |
| 9 | neg | RLX | stim.near | 3 | 1 465 | TRUE | FALSE |
| 10 | pos | RLX | stim.near | 1 | 1 437 | TRUE | FALSE |
| 11 | pos | RLX | stim.near | 1 | 1 533 | TRUE | FALSE |
| 12 | pos | RLX | stim.near | 7 | 1 469 | TRUE | FALSE |
| 13 | neg | RLX | stim.far | 1 | 1 460 | TRUE | TRUE |
| 14 | neg | RLX | stim.far | 3 | 1 480 | TRUE | TRUE |
| 15 | neg | RLX | stim.far | 3 | 1 374 | TRUE | FALSE |
| 16 | neg | RLX | stim.far | 5 | 1 374 | TRUE | FALSE |
| 17 | neg | RLX | stim.far | 8 | 1 368 | TRUE | FALSE |
| 18 | pos | RLX | stim.far | 1 | 1 490 | TRUE | FALSE |

Normality check (Shapiro-Wilk)

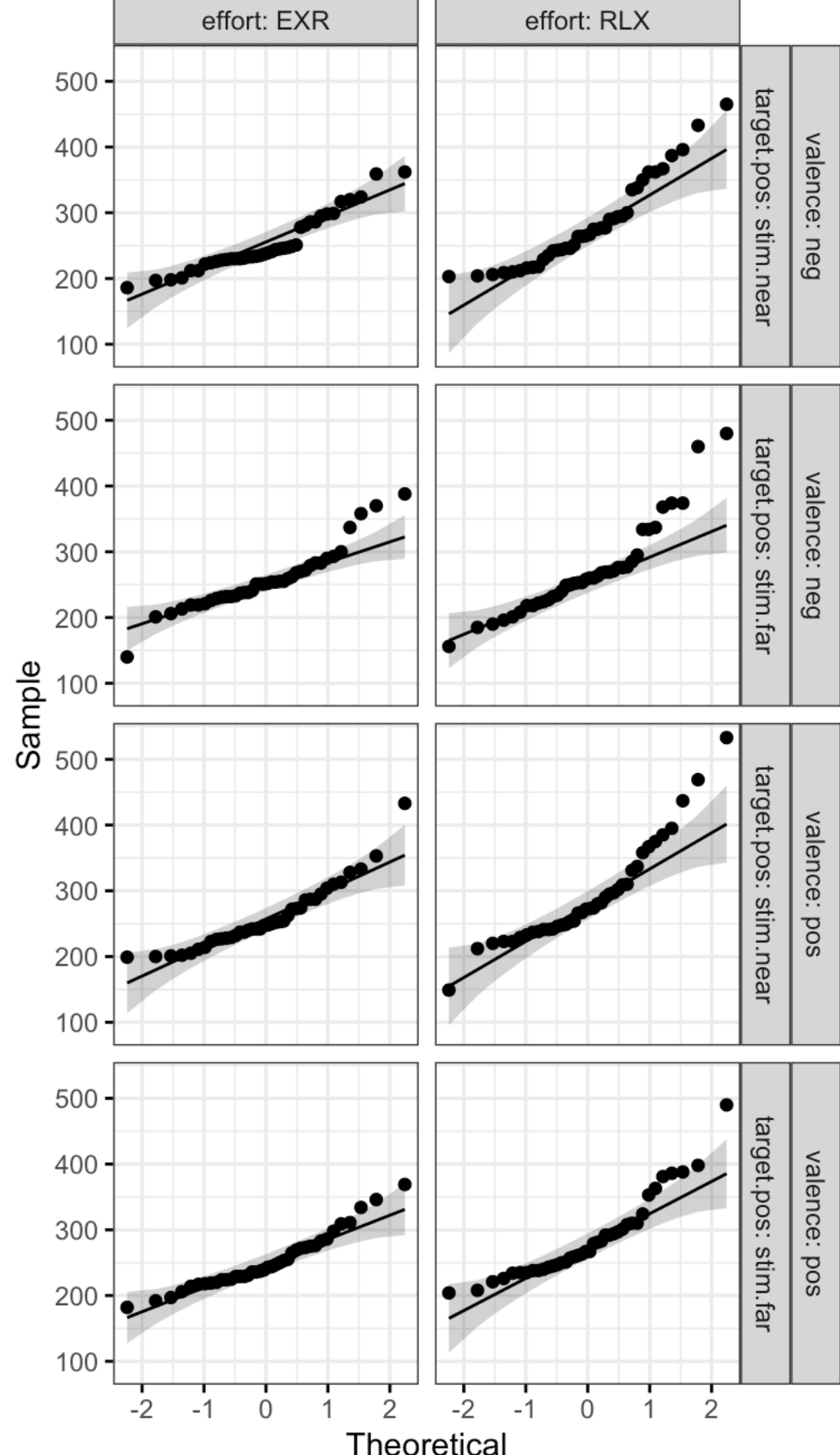


| variable | statistic | p.value |
|------------------|-----------|---------|
| residuals(rt_lm) | 0.9155101 | 0 |

Cell-wise normality check (Shapiro-Wilk)

| valence | effort | target.pos | variable | statistic | p |
|---------|--------|------------|----------|-----------|-----------|
| neg | EXR | stim.near | RT | 0.9037718 | 0.0024658 |
| pos | EXR | stim.near | RT | 0.8931850 | 0.0012183 |
| neg | EXR | stim.far | RT | 0.9144609 | 0.0051786 |
| pos | EXR | stim.far | RT | 0.9381780 | 0.0300318 |
| neg | RLX | stim.near | RT | 0.9056115 | 0.0027956 |
| pos | RLX | stim.near | RT | 0.8970240 | 0.0015680 |
| neg | RLX | stim.far | RT | 0.8902746 | 0.0010086 |
| pos | RLX | stim.far | RT | 0.8867879 | 0.0008066 |

Cell-wise QQplot for each cell



Homogeneity of variance

| df1 | df2 | statistic | p |
|-----|-----|-----------|----------|
| 7 | 312 | 1.985445 | 0.056669 |

ANOVA on RTs

| Effect | DFn | DFd | F | p | p<.05 | ges |
|---------------------------|-----|-----|-------|----------|-------|----------|
| valence | 1 | 312 | 1 | 0.318 | | 0.003 |
| target.pos | 1 | 312 | 0.571 | 0.45 | | 0.002 |
| effort | 1 | 312 | 17.51 | 3.72e-05 | * | 0.053 |
| valence:target.pos | 1 | 312 | 0.056 | 0.813 | | 0.000179 |
| valence:effort | 1 | 312 | 0.898 | 0.344 | | 0.003 |
| target.pos:effort | 1 | 312 | 0.331 | 0.565 | | 0.001 |
| valence:target.pos:effort | 1 | 312 | 0.495 | 0.482 | | 0.002 |

| valence | effort | target.pos | variable | n | mean | ci |
|---------|--------|------------|----------|----|-------|-------|
| neg | EXR | stim.near | RT | 40 | 252.4 | 13.65 |
| pos | EXR | stim.near | RT | 40 | 258.8 | 15.42 |
| neg | EXR | stim.far | RT | 40 | 257.3 | 14.88 |
| pos | EXR | stim.far | RT | 40 | 251.6 | 13.31 |
| neg | RLX | stim.near | RT | 40 | 281.5 | 21.26 |
| pos | RLX | stim.near | RT | 40 | 291 | 24.29 |
| neg | RLX | stim.far | RT | 40 | 269.9 | 21.92 |
| pos | RLX | stim.far | RT | 40 | 285.5 | 19.43 |