

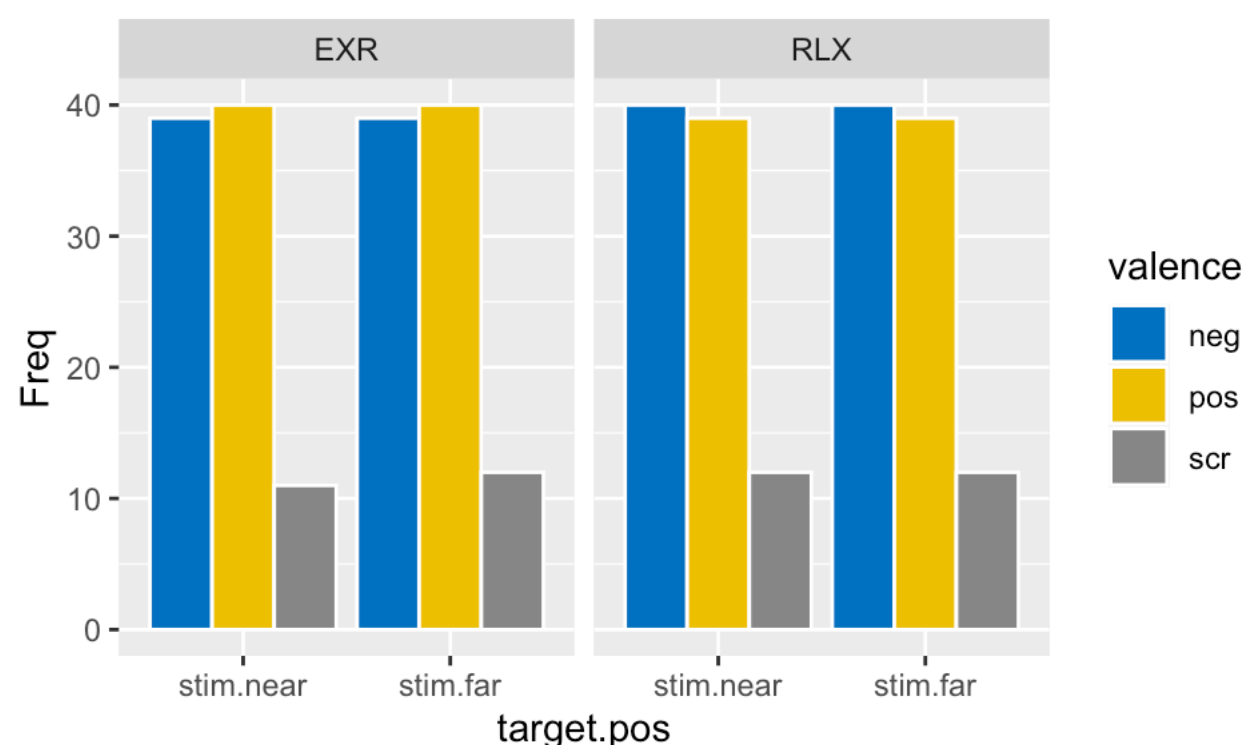
EXP3 pilot, version 3 (invested effort)

Subject 02

Abbreviations:

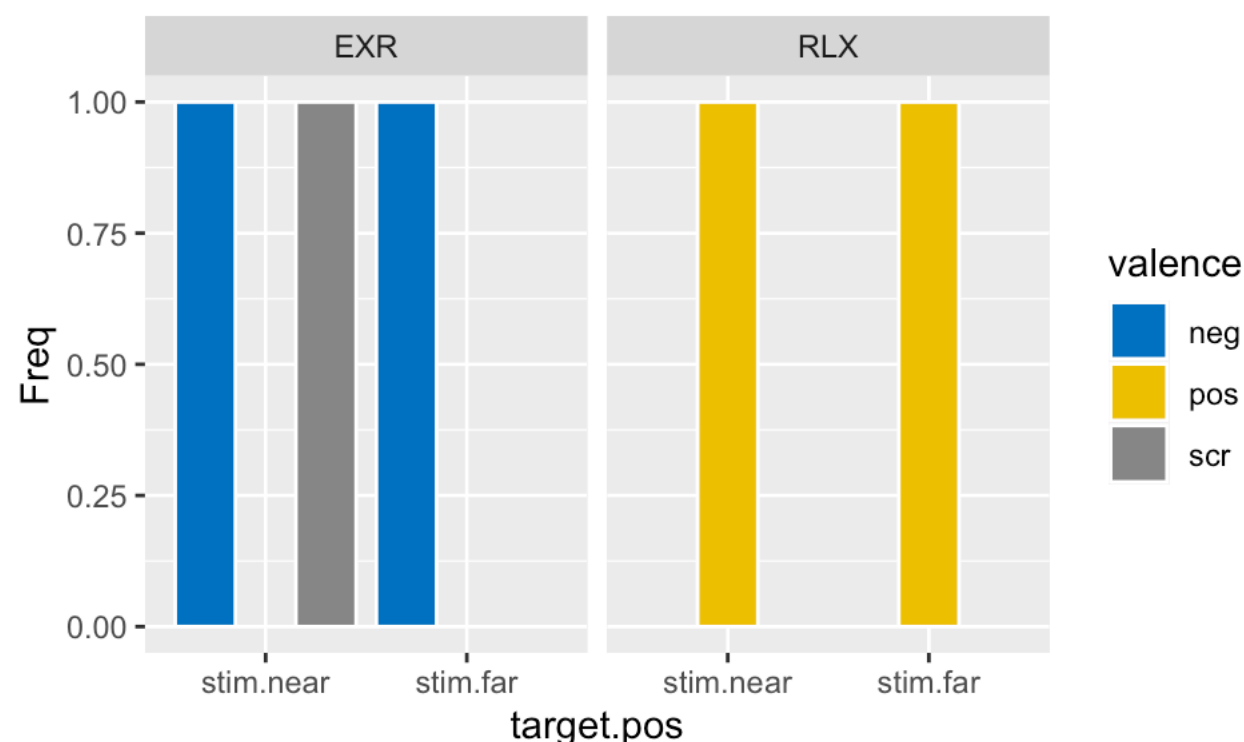
- *neg, pos, scr*: negative, positive, and scrambled faces, respectively
- *stim.near, stim.far*: position of the target (red ball) with respect to the face stimulus (*stim.near* = near the face stimulus)
- *EXR, RLX*: level of invested effort (EXR=max, RLX=min)

Number of correct responses



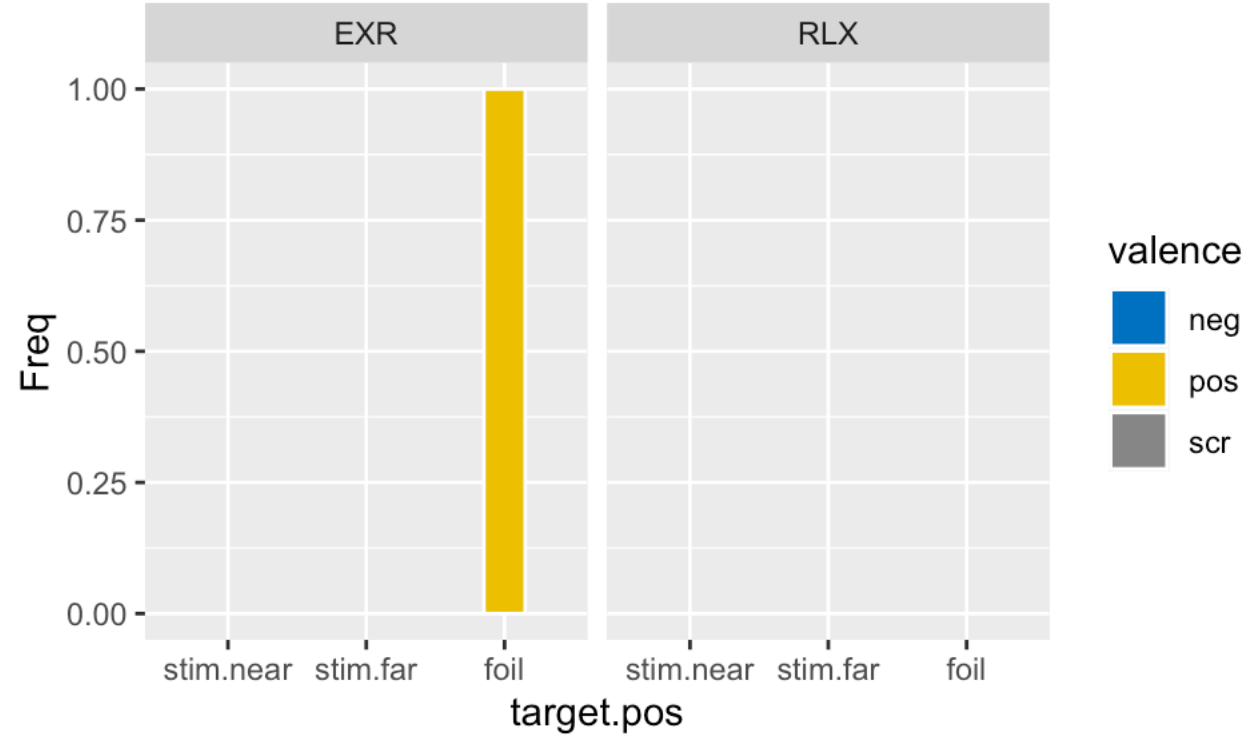
| | | target.pos | | stim.near | stim.far |
|--------|---------|------------|--|-----------|----------|
| effort | valence | | | | |
| EXR | neg | | | 39 | 39 |
| | pos | | | 40 | 40 |
| | scr | | | 11 | 12 |
| RLX | neg | | | 40 | 40 |
| | pos | | | 39 | 39 |
| | scr | | | 12 | 12 |

Number of errors of omission



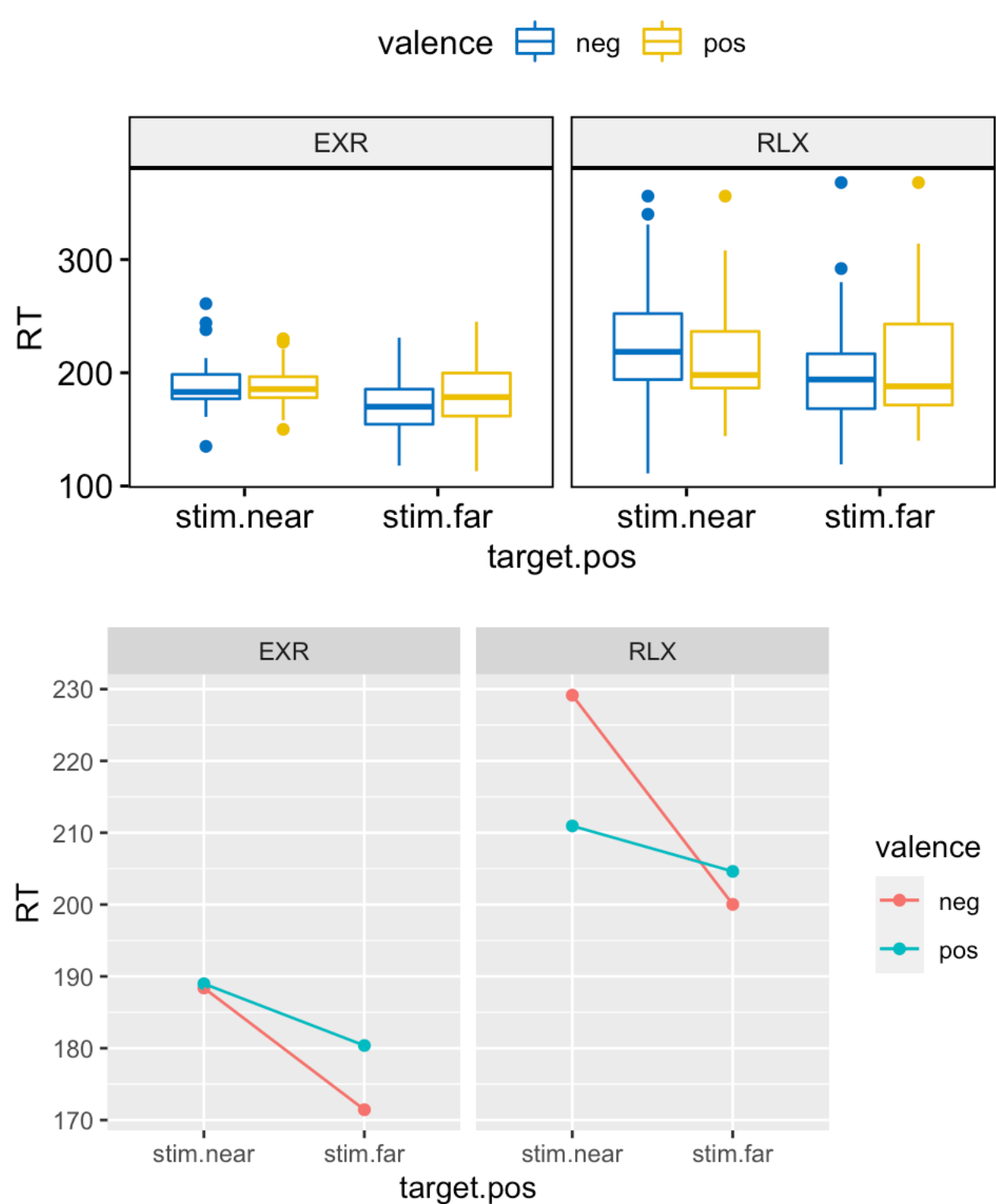
| | | target.pos | | stim.near | stim.far |
|--------|---------|------------|--|-----------|----------|
| effort | valence | | | | |
| EXR | neg | | | 1 | 1 |
| | pos | | | 0 | 0 |
| | scr | | | 1 | 0 |
| RLX | neg | | | 0 | 0 |
| | pos | | | 1 | 1 |
| | scr | | | 0 | 0 |

Number of errors of commission



| | | target.pos | | stim.near | stim.far | foil |
|--------|---------|------------|--|-----------|----------|------|
| effort | valence | | | | | |
| EXR | neg | | | 0 | 0 | 0 |
| | pos | | | 0 | 0 | 1 |
| | scr | | | 0 | 0 | 0 |
| RLX | neg | | | 0 | 0 | 0 |
| | pos | | | 0 | 0 | 0 |
| | scr | | | 0 | 0 | 0 |

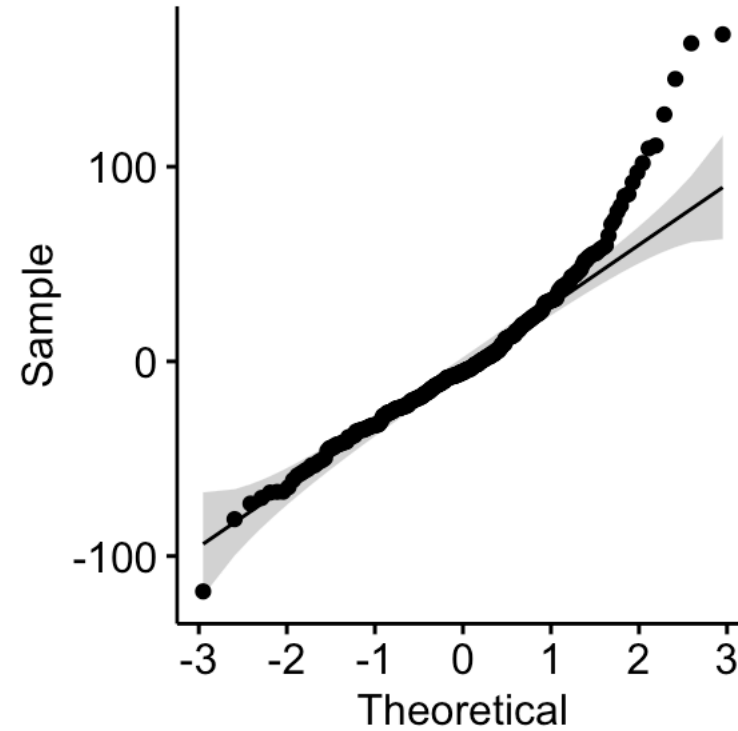
Response times (correct trials only)



Outliers

| valence | effort | target.pos | block | run | RT | is.outlier | is.extreme |
|---------|--------|------------|-------|-----|-----|------------|------------|
| neg | EXR | stim.near | 2 | 1 | 135 | TRUE | FALSE |
| neg | EXR | stim.near | 4 | 1 | 244 | TRUE | FALSE |
| neg | EXR | stim.near | 4 | 2 | 261 | TRUE | FALSE |
| neg | EXR | stim.near | 4 | 2 | 238 | TRUE | FALSE |
| pos | EXR | stim.near | 6 | 1 | 150 | TRUE | FALSE |
| pos | EXR | stim.near | 8 | 2 | 227 | TRUE | FALSE |
| pos | EXR | stim.near | 2 | 3 | 230 | TRUE | FALSE |
| pos | EXR | stim.near | 2 | 3 | 229 | TRUE | FALSE |
| neg | RLX | stim.near | 3 | 1 | 356 | TRUE | FALSE |
| neg | RLX | stim.near | 5 | 1 | 340 | TRUE | FALSE |
| pos | RLX | stim.near | 7 | 1 | 356 | TRUE | FALSE |
| neg | RLX | stim.far | 5 | 1 | 292 | TRUE | FALSE |
| neg | RLX | stim.far | 5 | 1 | 368 | TRUE | TRUE |
| pos | RLX | stim.far | 5 | 1 | 368 | TRUE | FALSE |

Normality check (Shapiro-Wilk)

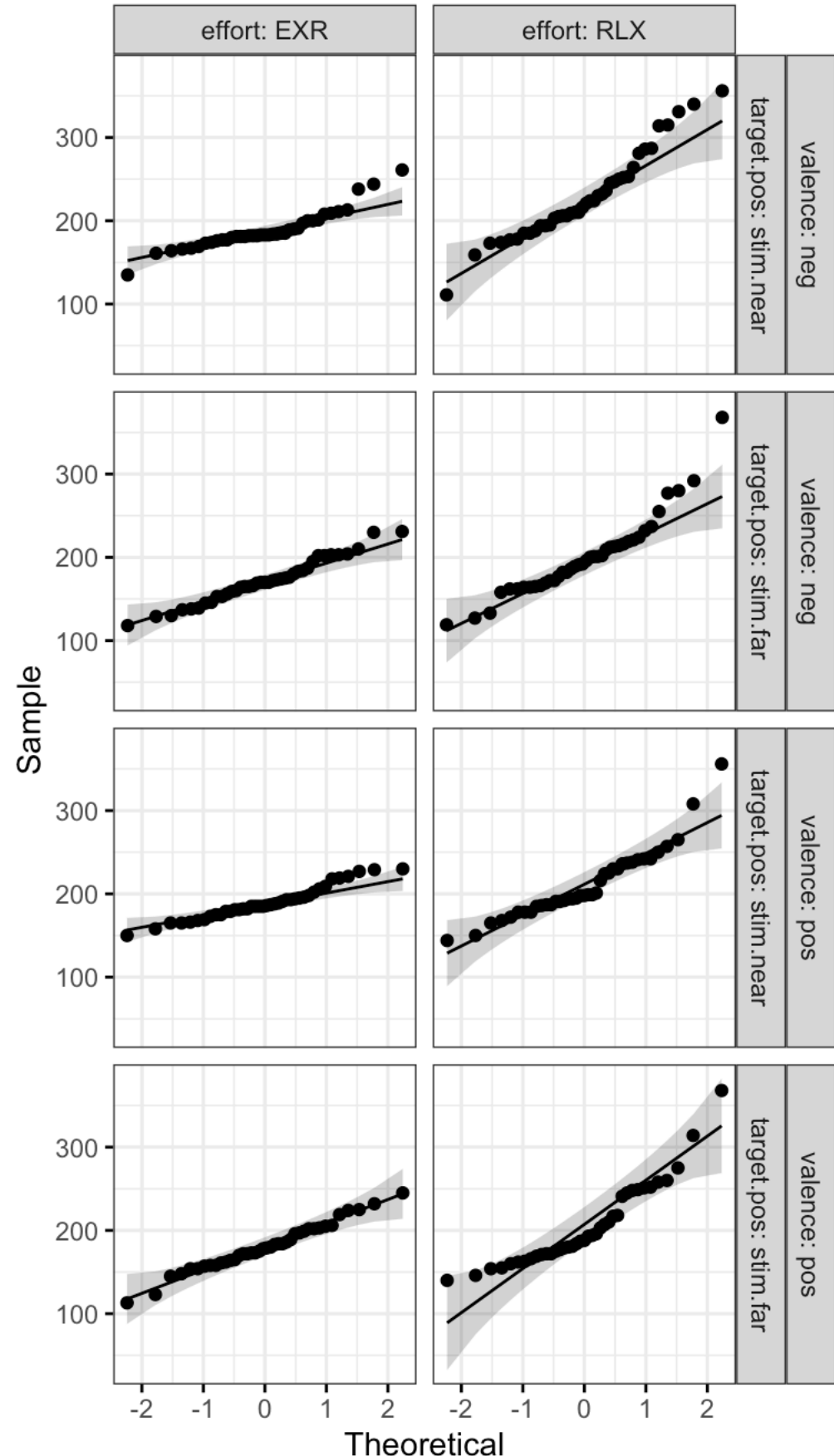


| variable | statistic | p.value |
|------------------|-----------|---------|
| residuals(rt_lm) | 0.9369103 | 0 |

Cell-wise normality check (Shapiro-Wilk)

| valence | effort | target.pos | variable | statistic | p |
|---------|--------|------------|----------|-----------|-----------|
| neg | EXR | stim.near | RT | 0.8919376 | 0.0013063 |
| pos | EXR | stim.near | RT | 0.9596497 | 0.1629393 |
| neg | EXR | stim.far | RT | 0.9786290 | 0.6537324 |
| pos | EXR | stim.far | RT | 0.9857657 | 0.8869084 |
| neg | RLX | stim.near | RT | 0.9540738 | 0.1047681 |
| pos | RLX | stim.near | RT | 0.9015225 | 0.0024402 |
| neg | RLX | stim.far | RT | 0.9122186 | 0.0044208 |
| pos | RLX | stim.far | RT | 0.8883258 | 0.0010383 |

Cell-wise QQplot for each cell



Homogeneity of variance

| df1 | df2 | statistic | p |
|-----|-----|-----------|---------|
| 7 | 308 | 5.310761 | 9.5e-06 |

ANOVA on RTs

| Effect | DFn | DFd | F | p | p<.05 | ges |
|---------------------------|-----|-----|-------|----------|-------|----------|
| valence | 1 | 308 | 0.057 | 0.811 | | 0.000185 |
| target.pos | 1 | 308 | 12.83 | 0.000397 | * | 0.04 |
| effort | 1 | 308 | 45.74 | 6.78e-11 | * | 0.129 |
| valence:target.pos | 1 | 308 | 3.321 | 0.069 | | 0.011 |
| valence:effort | 1 | 308 | 1.834 | 0.177 | | 0.006 |
| target.pos:effort | 1 | 308 | 0.336 | 0.562 | | 0.001 |
| valence:target.pos:effort | 1 | 308 | 0.714 | 0.399 | | 0.002 |

| valence | effort | target.pos | variable | n | mean | ci |
|---------|--------|------------|----------|----|-------|-------|
| neg | EXR | stim.near | RT | 39 | 188.4 | 7.466 |
| pos | EXR | stim.near | RT | 40 | 189 | 6.216 |
| neg | EXR | stim.far | RT | 39 | 171.4 | 8.649 |
| pos | EXR | stim.far | RT | 40 | 180.4 | 8.962 |
| neg | RLX | stim.near | RT | 40 | 229.2 | 16.94 |
| pos | RLX | stim.near | RT | 39 | 210.9 | 13.42 |
| neg | RLX | stim.far | RT | 40 | 200 | 15.09 |
| pos | RLX | stim.far | RT | 39 | 204.6 | 15.78 |