

## Perceptual Difficulty - Perceptibility

### Stimuli check

```
##
##           color material
## 'no'      0      81      81
## 'yes'     0      81      81
```

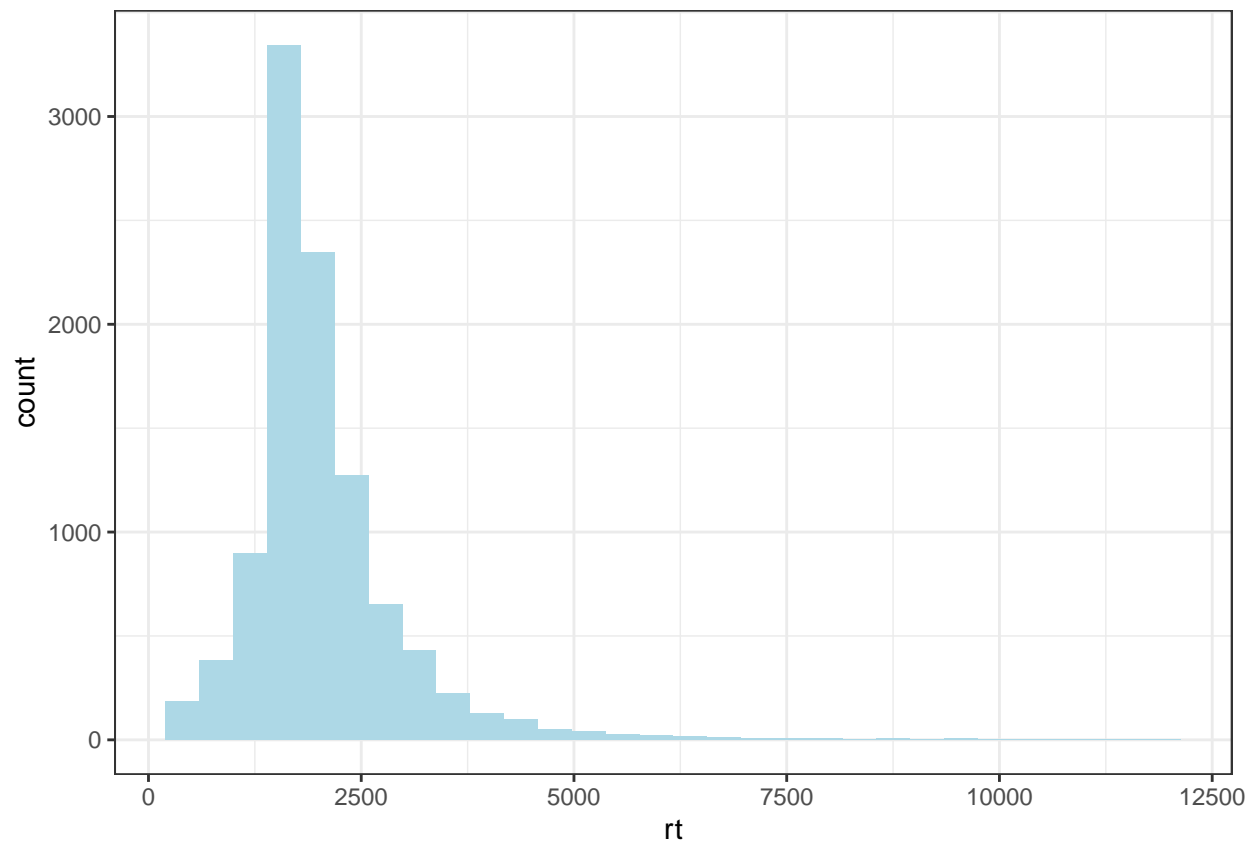
### Fastest and slowest response times

```
## [1] 408 408 415 415 416 417 417 423 423 424
## [1] 25746 29143 36444 37743 40953 66284 71226 77544 133226 484279
```

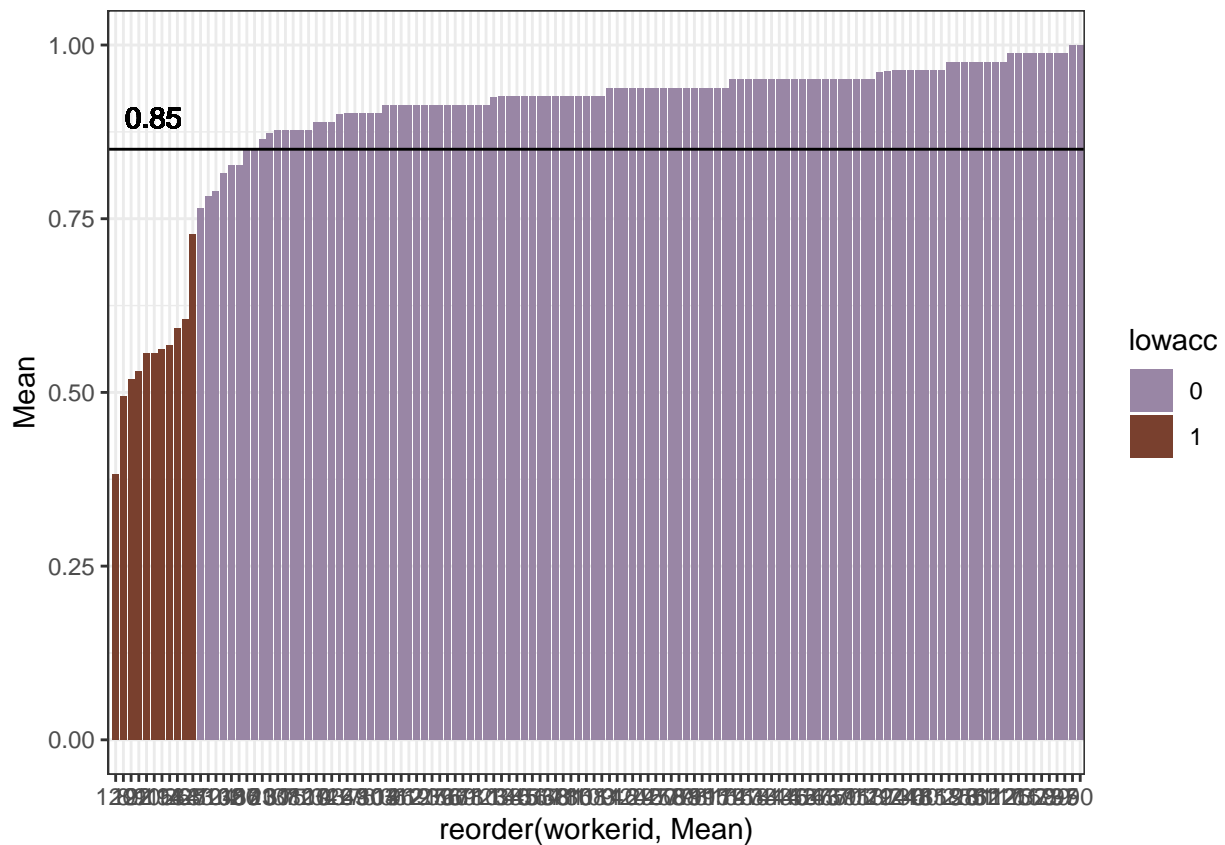
**RT Exclusions and distribution** Response times that are 2SD away from the mean are excluded (25 responses)

```
## workerid label rt slow Mean SD Ulimit id
## 1 1 chair_plastic_purple 40953 1 2158.266 5260.45 12679.16 101
## 2 8 plate_paper_blue 29143 1 2158.266 5260.45 12679.16 671
## 3 8 chair_wood_original 37743 1 2158.266 5260.45 12679.16 693
## 4 14 chair_metal_purple 16517 1 2158.266 5260.45 12679.16 1153
## 5 22 jacket_leather_purple 71226 1 2158.266 5260.45 12679.16 1827
## 6 25 bag_paper_blue 66284 1 2158.266 5260.45 12679.16 2046
## 7 25 boot_leather_original 133226 1 2158.266 5260.45 12679.16 2059
## 8 25 chair_metal_original 22654 1 2158.266 5260.45 12679.16 2080
## 9 25 bowl_metal_green 77544 1 2158.266 5260.45 12679.16 2087
## 10 36 plate_plastic_original 13863 1 2158.266 5260.45 12679.16 2937
## 11 72 pitcher_plastic_blue 20260 1 2158.266 5260.45 12679.16 5868
## 12 72 pitcher_glass_blue 36444 1 2158.266 5260.45 12679.16 5891
## 13 72 chair_plastic_purple 18509 1 2158.266 5260.45 12679.16 5892
## 14 74 pitcher_glass_original 484279 1 2158.266 5260.45 12679.16 6054
## 15 79 bottle_glass_green 13542 1 2158.266 5260.45 12679.16 6417
## 16 79 box_cardboard_green 13458 1 2158.266 5260.45 12679.16 6418
## 17 79 cup_plastic_blue 20541 1 2158.266 5260.45 12679.16 6419
## 18 79 jacket_denim_original 13042 1 2158.266 5260.45 12679.16 6420
## 19 96 jacket_denim_purple 24776 1 2158.266 5260.45 12679.16 7802
## 20 100 table_metal_blue 25746 1 2158.266 5260.45 12679.16 8110
## 21 100 chair_plastic_purple 14417 1 2158.266 5260.45 12679.16 8111
## 22 114 table_metal_green 15818 1 2158.266 5260.45 12679.16 9243
## 23 124 pitcher_glass_original 14008 1 2158.266 5260.45 12679.16 10087
## 24 125 bag_paper_green 16797 1 2158.266 5260.45 12679.16 10126
## 25 125 chair_metal_original 20352 1 2158.266 5260.45 12679.16 10163

## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```

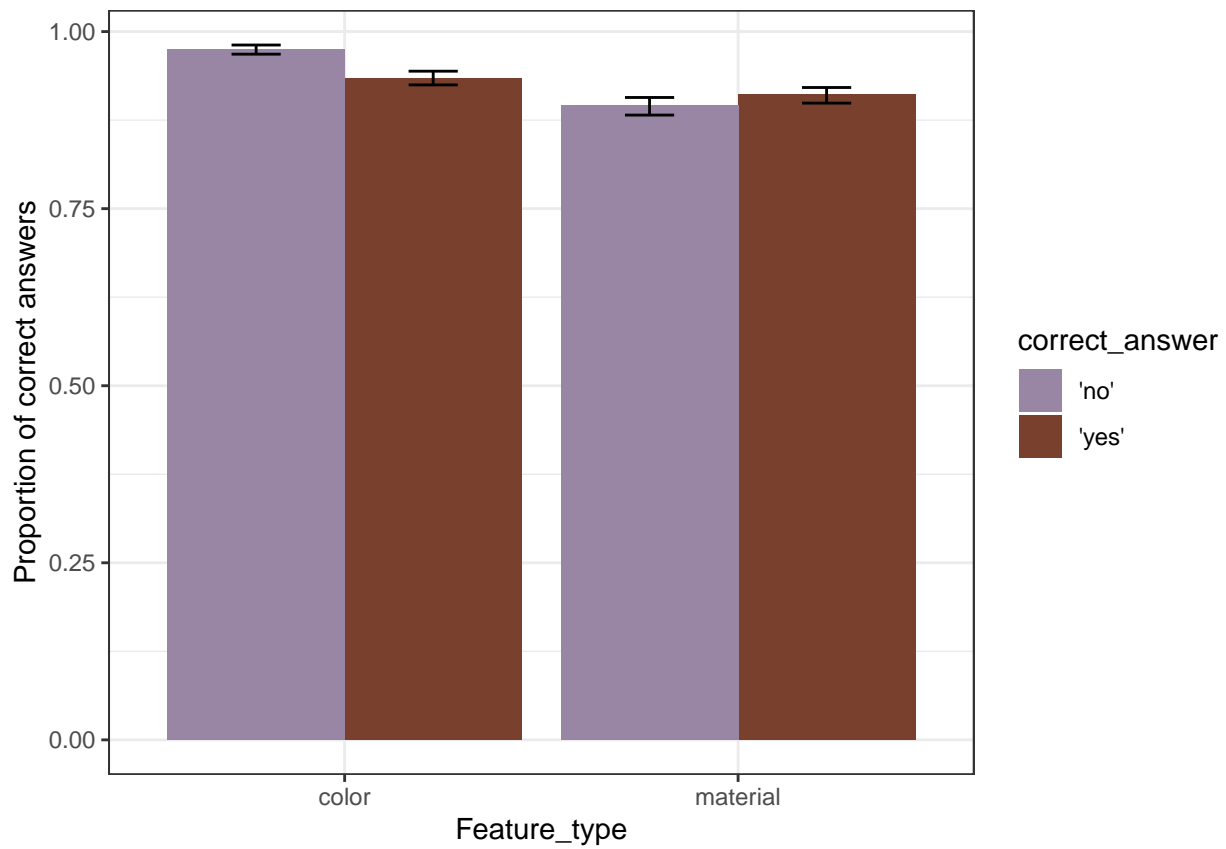


**Accuracy exclusions** Participants with accuracy lower than 75% are excluded (11 participants)

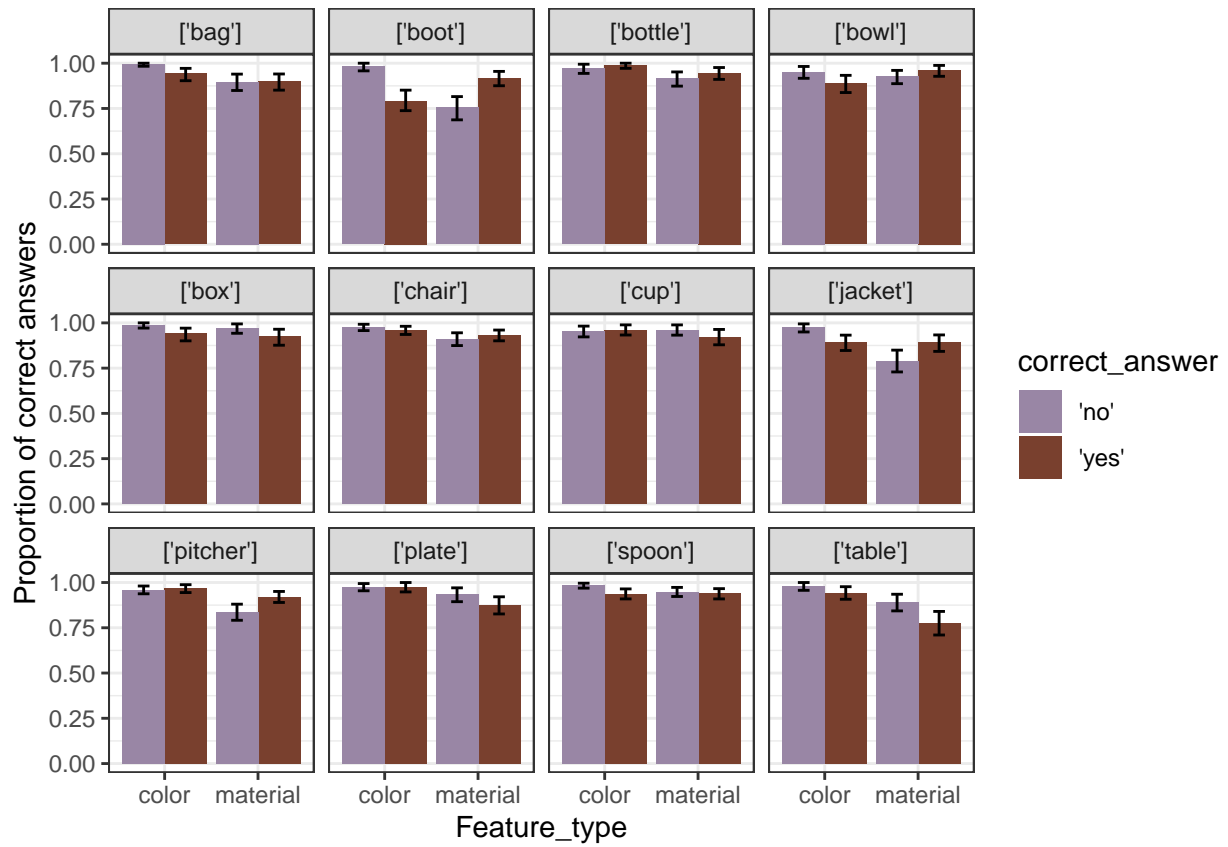


```
## # A tibble: 11 x 7
##   workerid Mean  CILow CIHigh YMin  YMax lowacc
##   <int> <dbl> <dbl> <dbl> <dbl> <dbl> <chr>
## 1      8 0.494 0.114 0.114 0.380 0.608 1
## 2     25 0.727 0.104 0.0909 0.623 0.818 1
## 3     26 0.593 0.123 0.111 0.469 0.704 1
## 4     84 0.605 0.0991 0.111 0.506 0.716 1
## 5     91 0.556 0.111 0.0988 0.444 0.654 1
## 6     92 0.531 0.0988 0.111 0.432 0.642 1
## 7     94 0.568 0.0991 0.111 0.469 0.679 1
## 8    105 0.556 0.111 0.111 0.444 0.667 1
## 9    114 0.562 0.112 0.100 0.45 0.662 1
## 10   120 0.383 0.111 0.0988 0.272 0.481 1
## 11   122 0.519 0.111 0.111 0.407 0.630 1
```

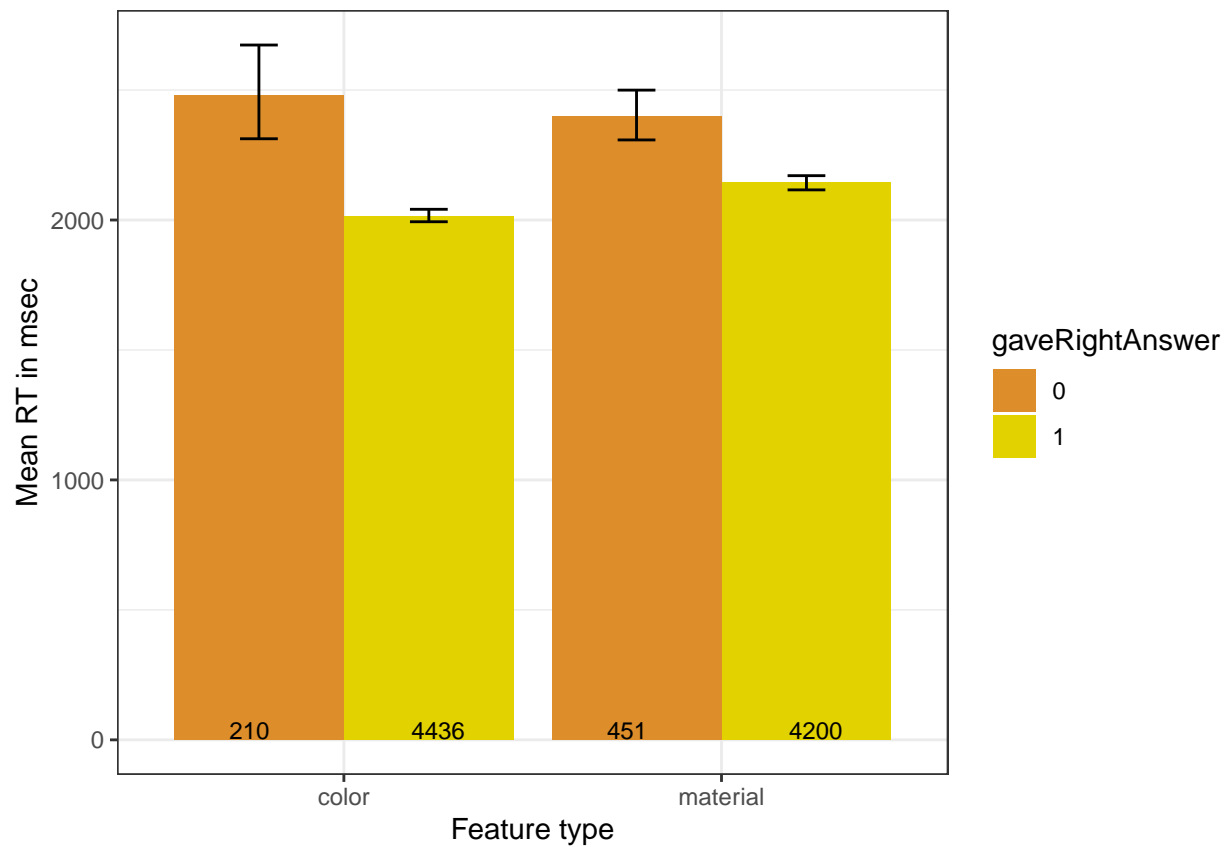
Proportion of correct responses



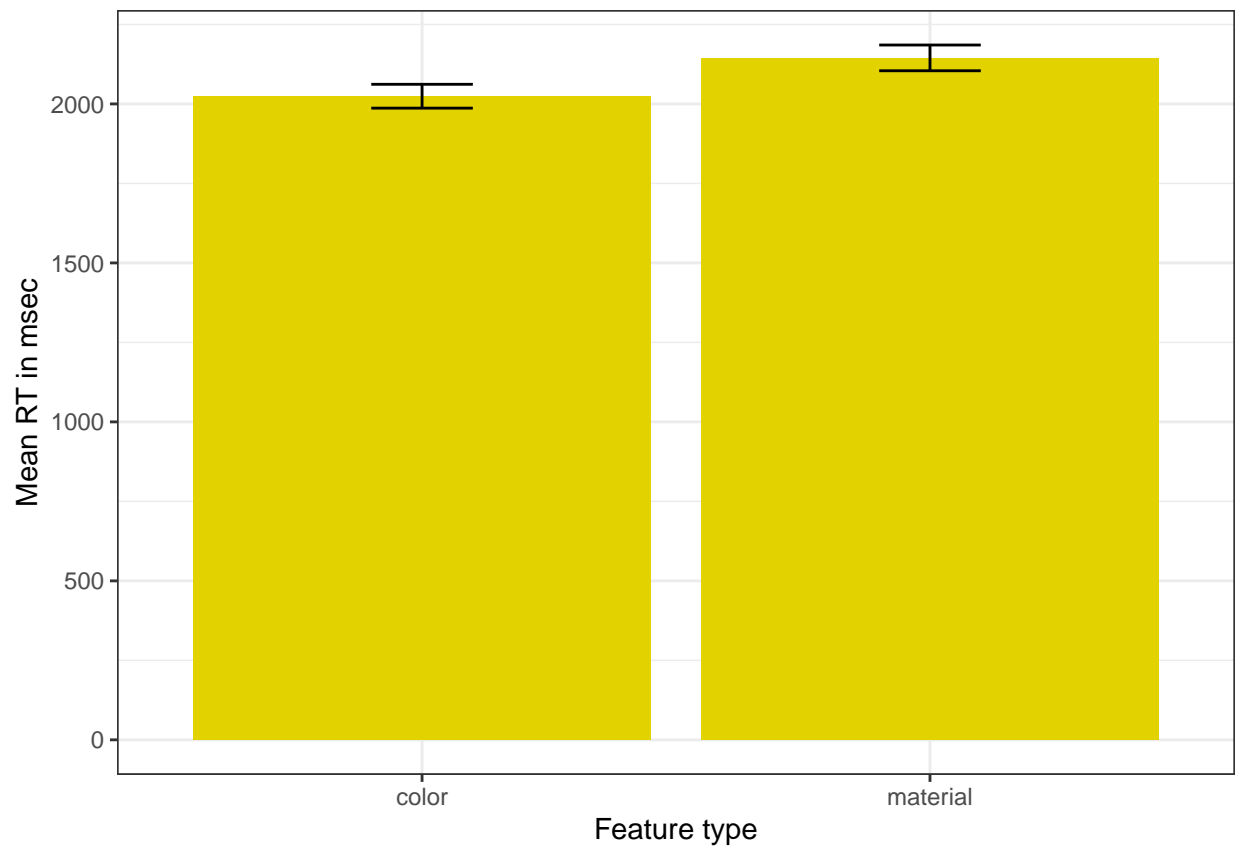
By item - Proportion of correct and incorrect responses



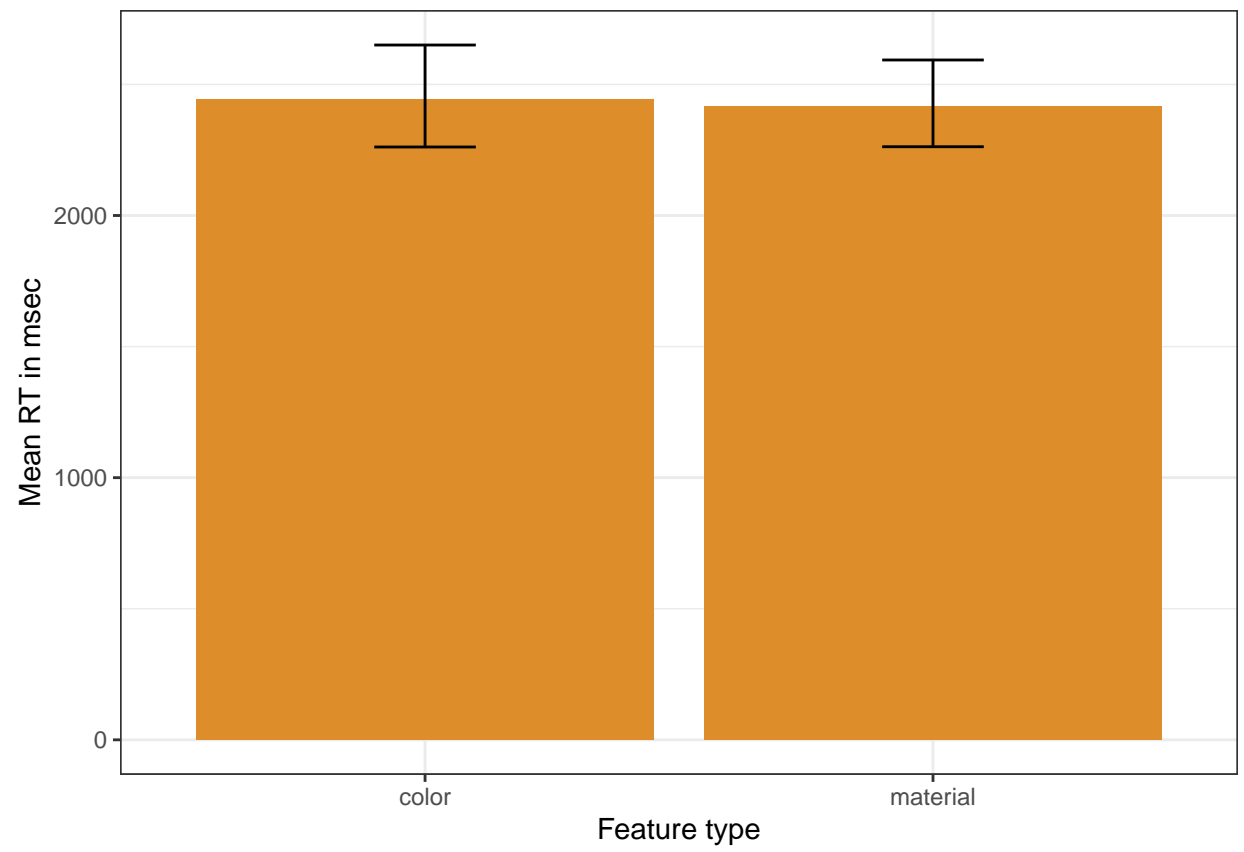
RTs to color and material features (everything collapsed)



RTs to color and material features (only expected YES cases and CORRECT responses)

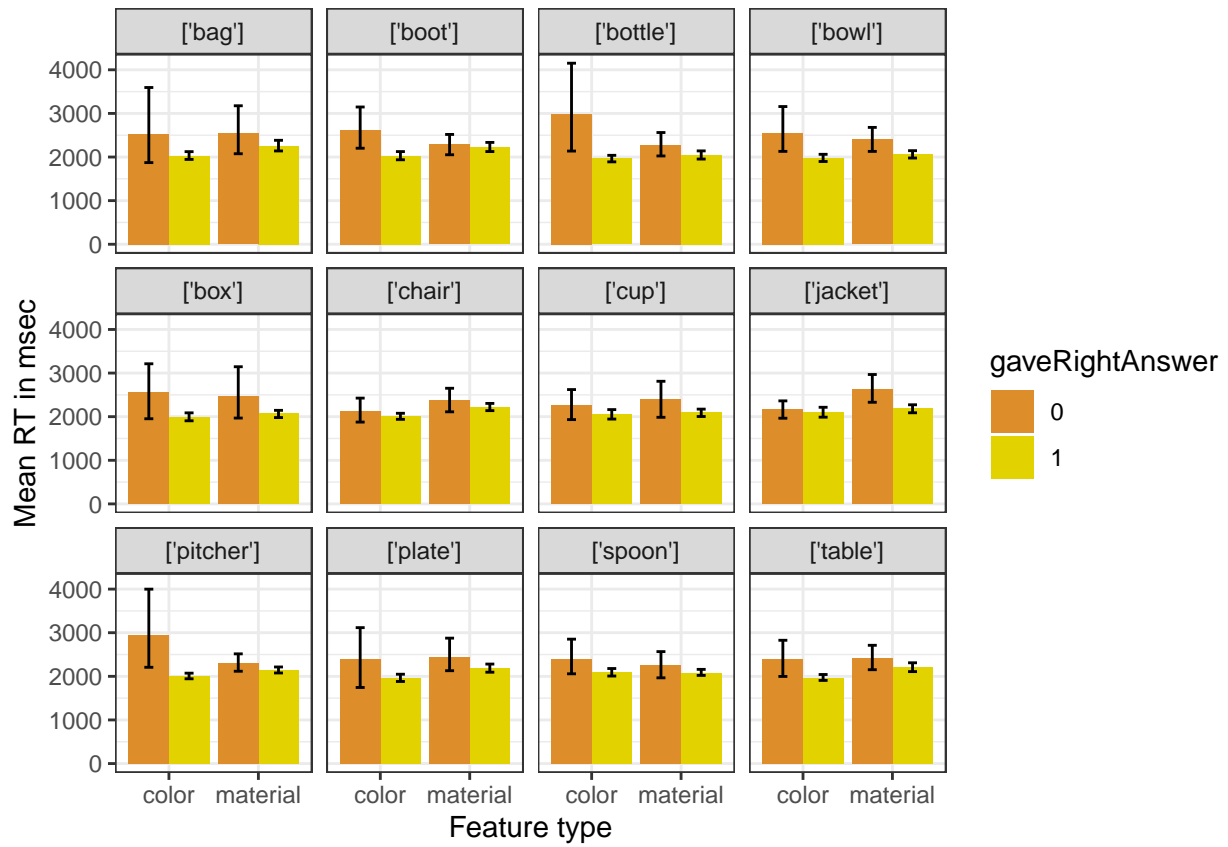


RTs to color and material features (only expected YES cases and INCORRECT responses)

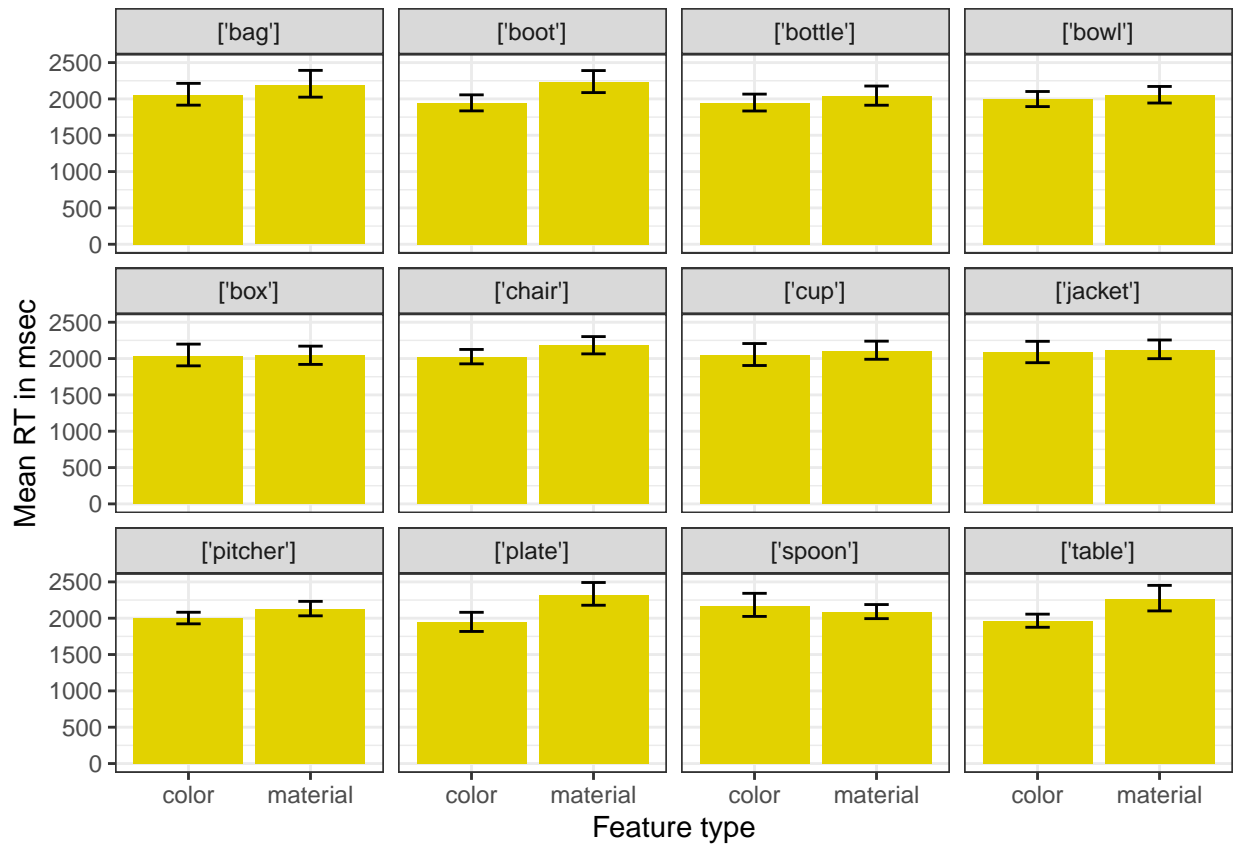


By item

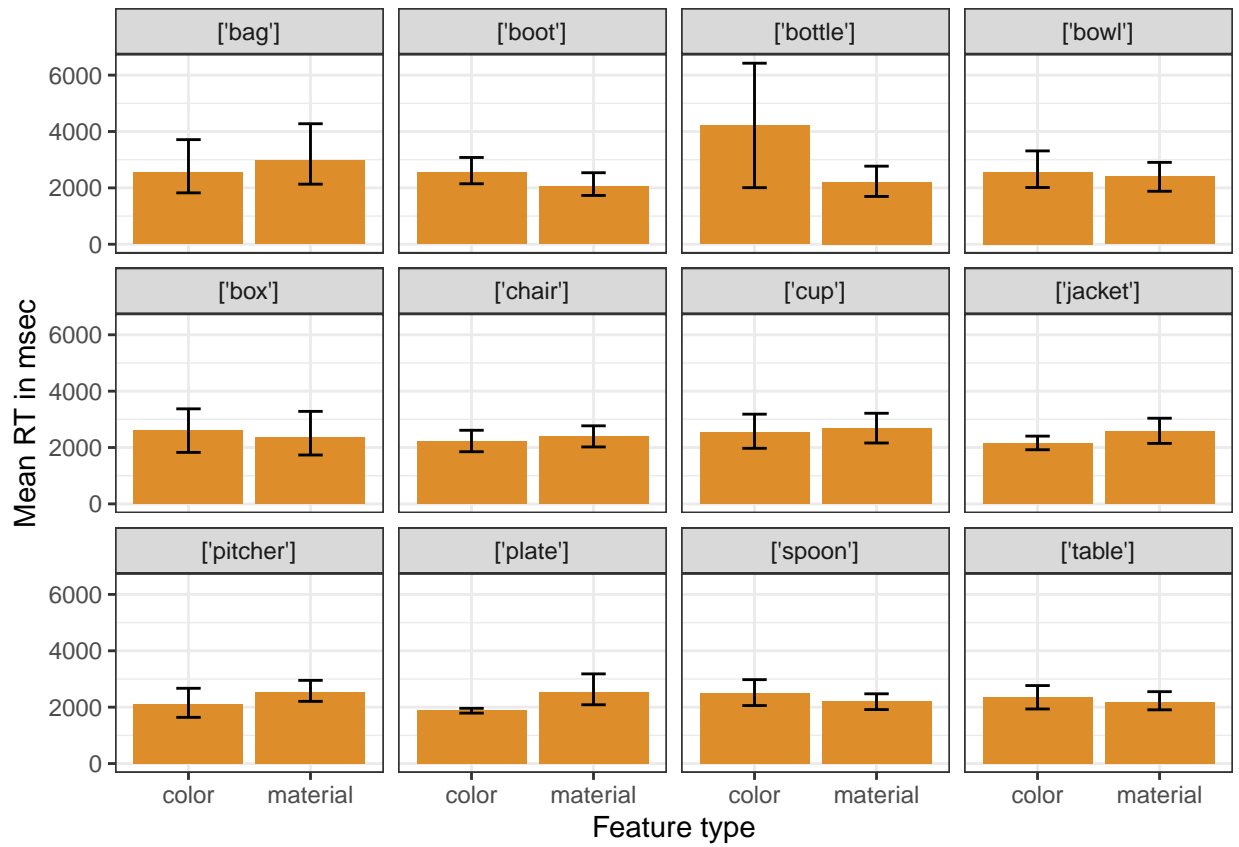




By item (only expected YES cases and CORRECT responses)



By item (only expected YES cases and INCORRECT responses)



By image (plot in graphs/)

By image (only expected YES cases and CORRECT responses) (plot in graphs/)

By image (only expected YES cases and INCORRECT responses) (plot in graphs/)