

Experiment 1: some

Before Exclusions

Number of participants tested:

```
## [1] 150
```

Participants in each condition:

```
##
## all_QUD any_QUD no_QUD
##      50      50      50
```

Exclusions

Non-unique participants:

```
## [1] 0
```

Participants whose native language is not english:

```
## [1] workerid
## <0 rows> (or 0-length row.names)
```

Participants who got at least two practice trials wrong:

```
##
##  2  3  4
## 24  2  6
```

Participants who got the audio check wrong more than one once:

```
## < table of extent 0 >
```

Participants who got the second comprehension question wrong more than twice:

```
## < table of extent 0 >
```

Participants with accuracy of lower than 85% on non-critical trials:

```
## # A tibble: 4 x 4
## # Groups:   workerid, gaveRightAnswer [4]
##   workerid gaveRightAnswer     n accuracy
##   <int> <chr>           <int>   <dbl>
## 1      32 1              3     4.69
## 2      65 1             32     50
## 3     105 1             38    59.4
## 4     115 1             40    62.5
```

Additional Exclusions

Participants who gave more than 5 very slow (logRT>20) responses:

```
## # A tibble: 0 x 3
## # Groups:   workerid [0]
## # ... with 3 variables: workerid <int>, slowResponse <lgl>, n <int>
```

Responses that are very slow (logRT>20)

```
## [1] 3
```

After Exclusions

Number of participants:

```
## [1] 114
```

Participants left in each condition:

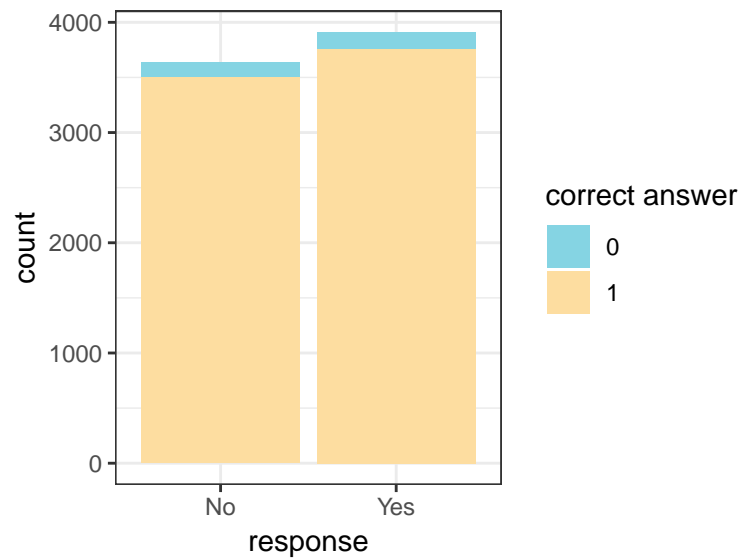
```
##  
## all_QUD any_QUD no_QUD  
##      41      35      38
```

General

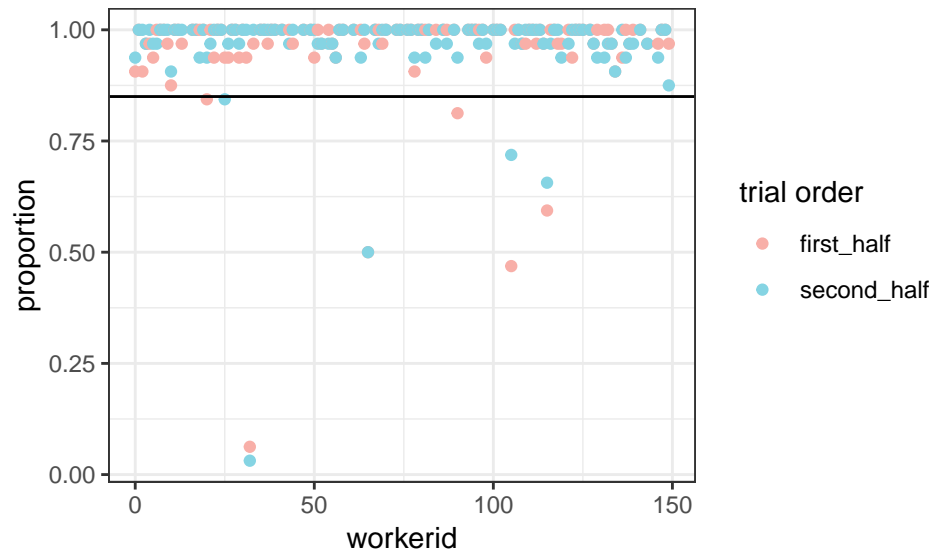
Expected number of yes and no answers:

```
##  
##   No  Yes  
## 3658 3894
```

Accuracy



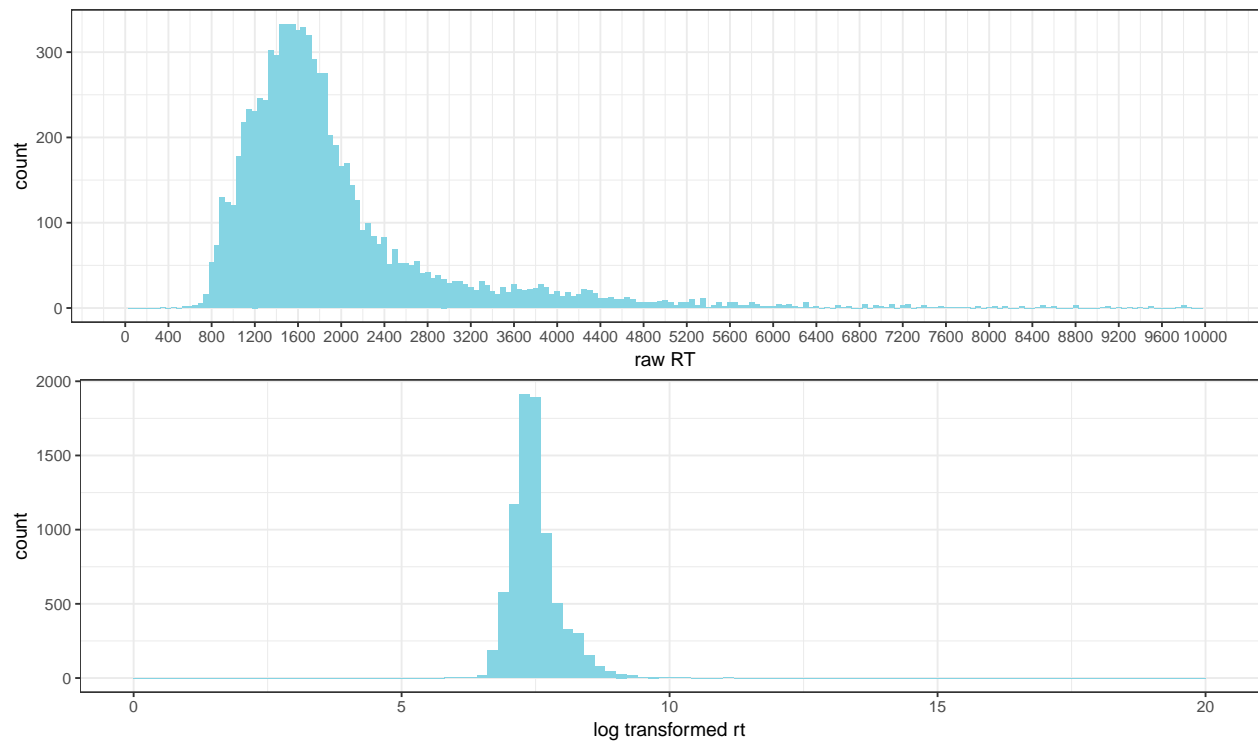
Accuracy and trial order



Distribution of RT and logRT

Warning: Removed 39 rows containing non-finite values (stat_bin).

Warning: Removed 2 rows containing missing values (geom_bar).



15 fastest responses (raw RT)

[1] 371 440 533 574 592 619 661 673 673 705 707 714 721 724 730

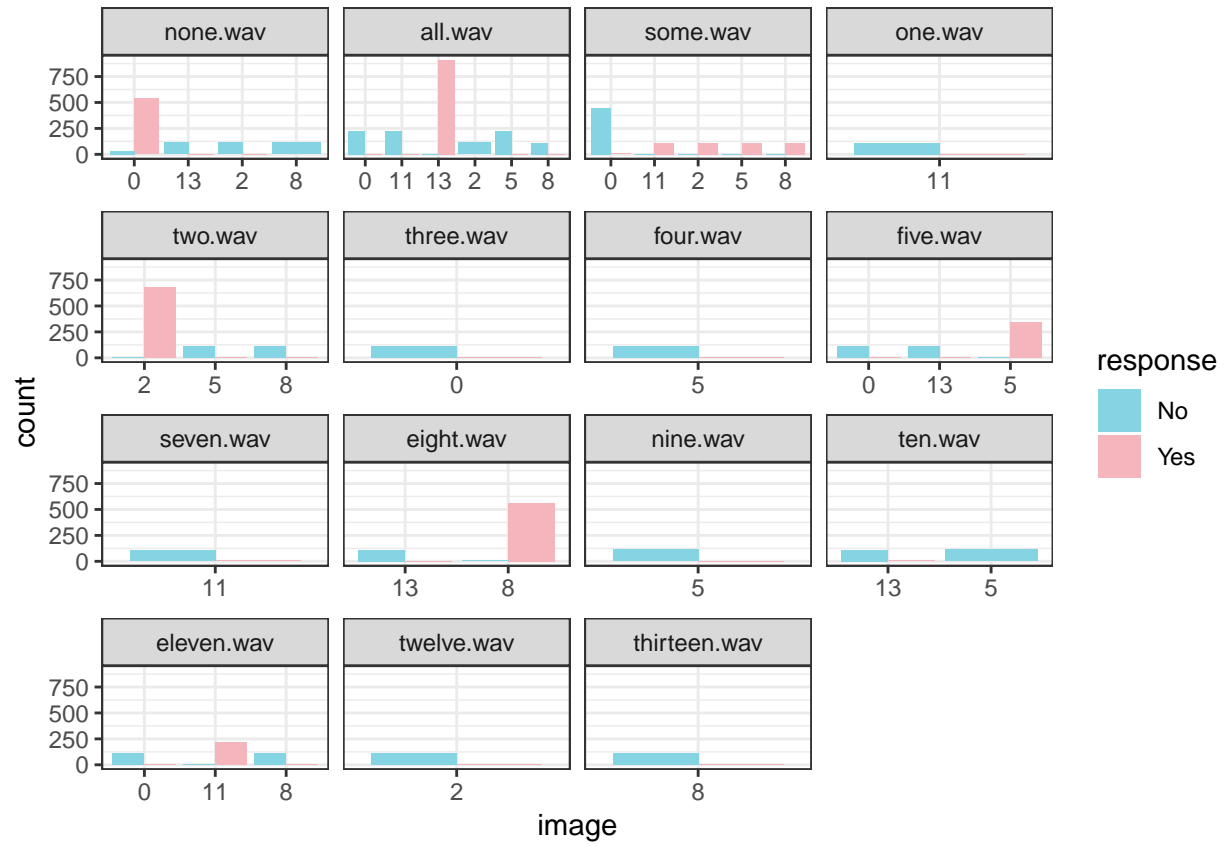
15 slowest responses (raw RT)

[1] 16194 16625 16677 17431 17618 18739 19313 19596 21854 22356 22990

[12] 27169 28759 29000 61505

Non-critical Trials

Response type:



Response time:

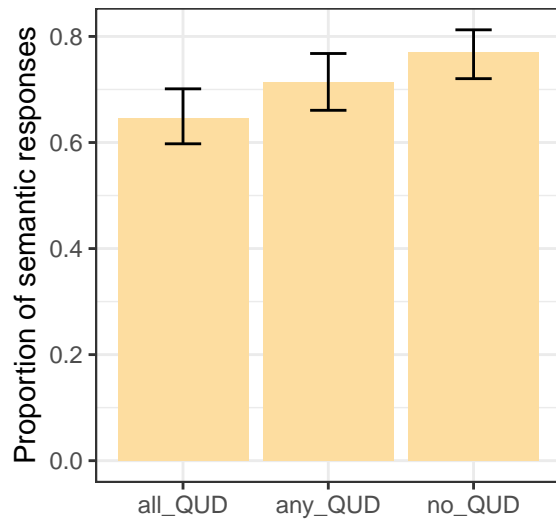


Critical Trials

Total number of critical trials (8 per participant):

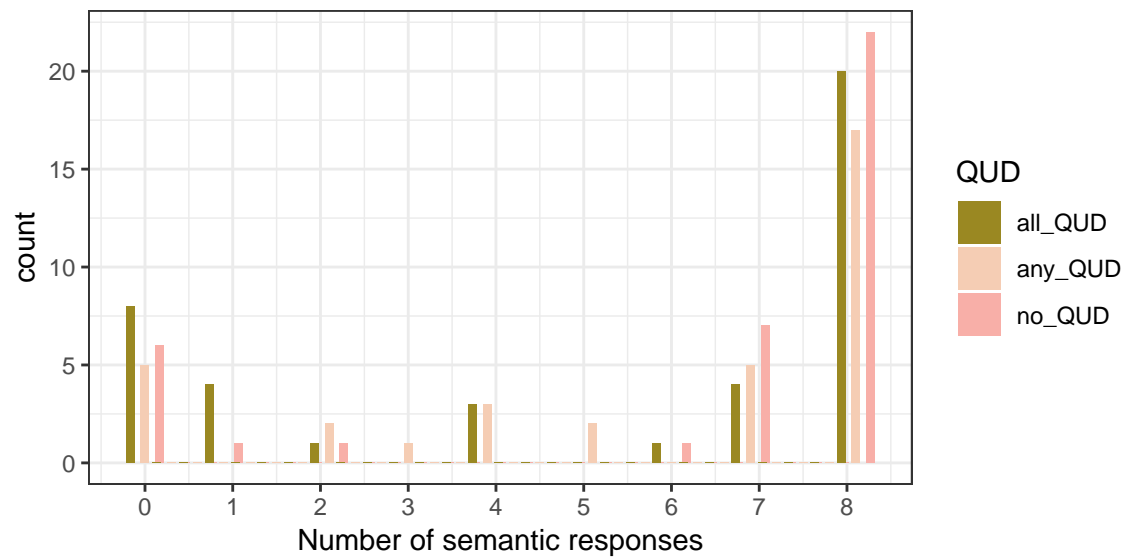
```
## [1] 912
```

Response Type

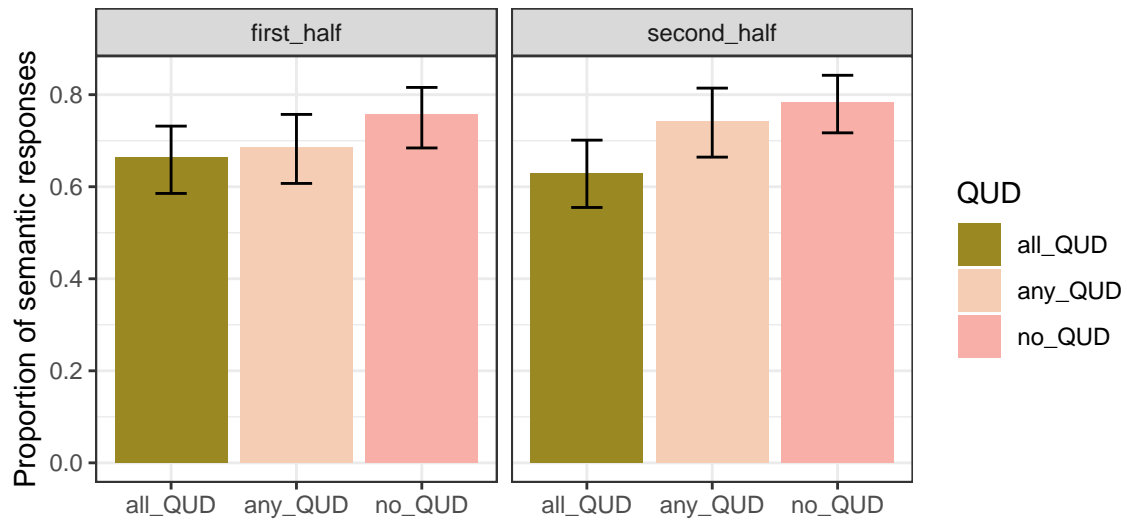


Distribution of participants over number of semantic responses

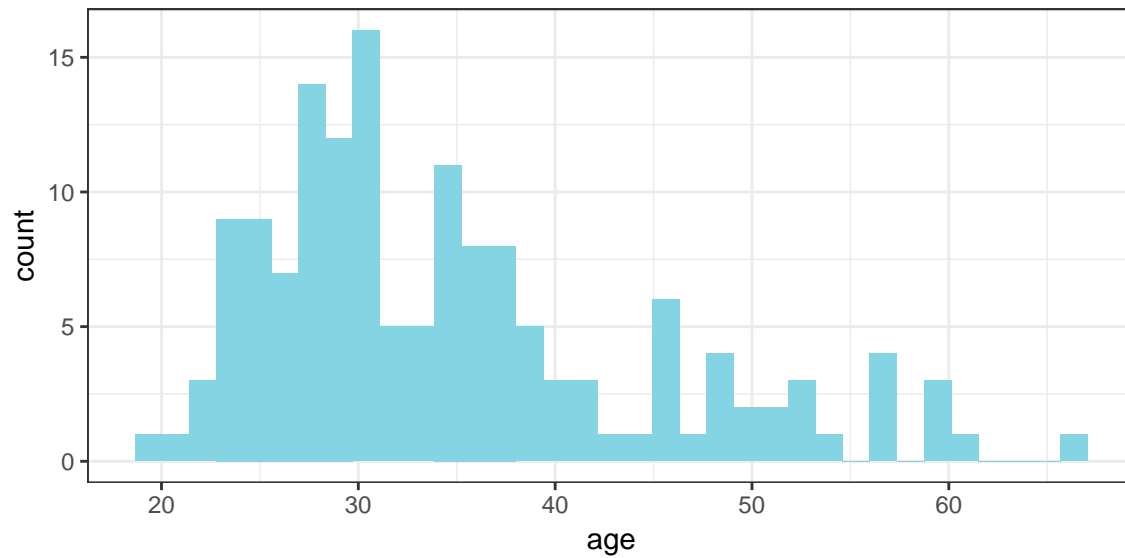
```
##
##           0  1  2  3  4  5  6  7  8
##  all_QUD  8  4  1  0  3  0  1  4 20
##  any_QUD  5  0  2  1  3  2  0  5 17
##  no_QUD   6  1  1  0  0  0  1  7 22
```



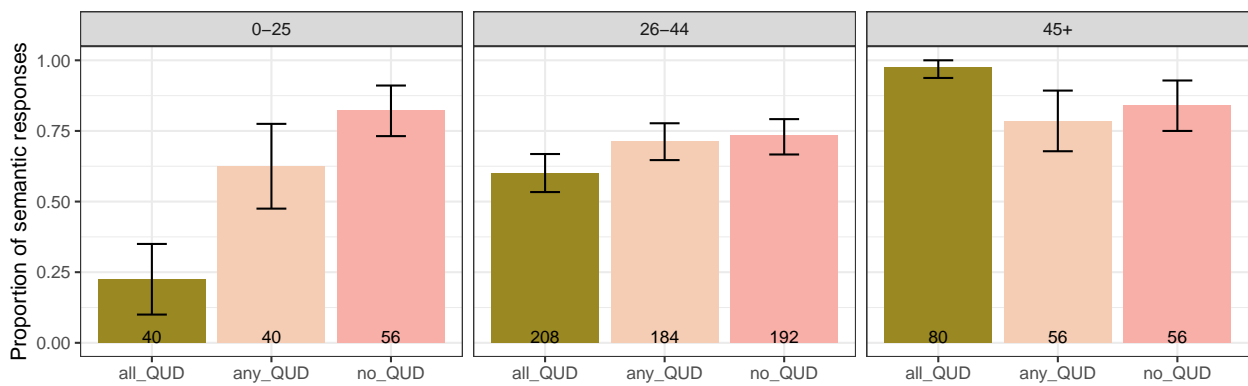
Response type and trial order



Age distribution of participants

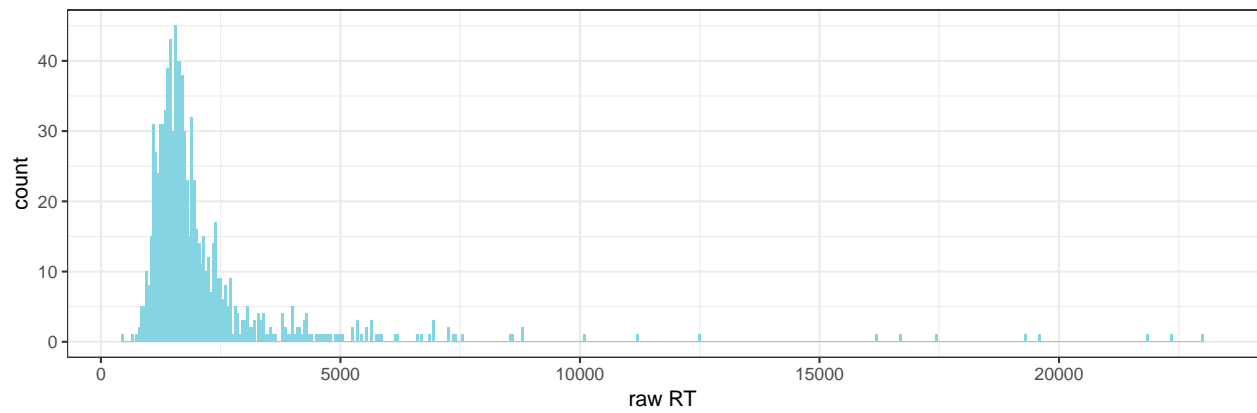


Response type and age

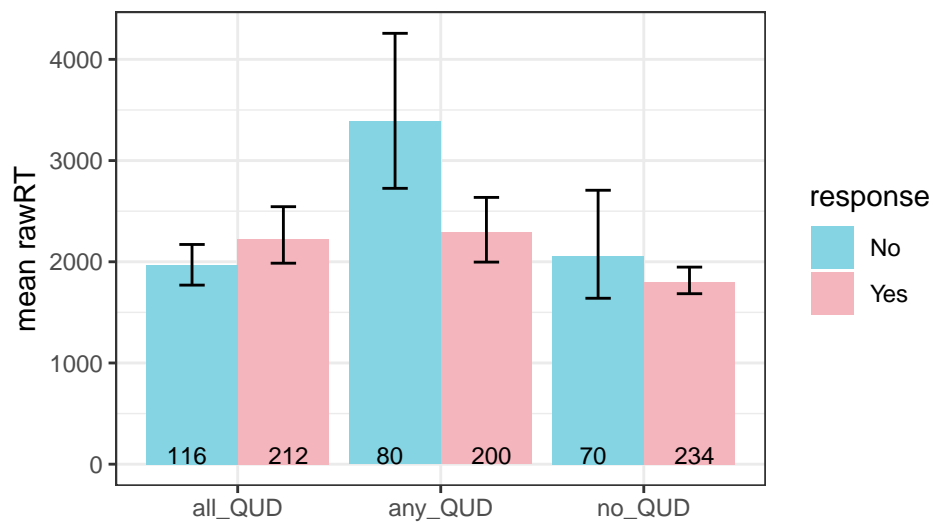


Response Time

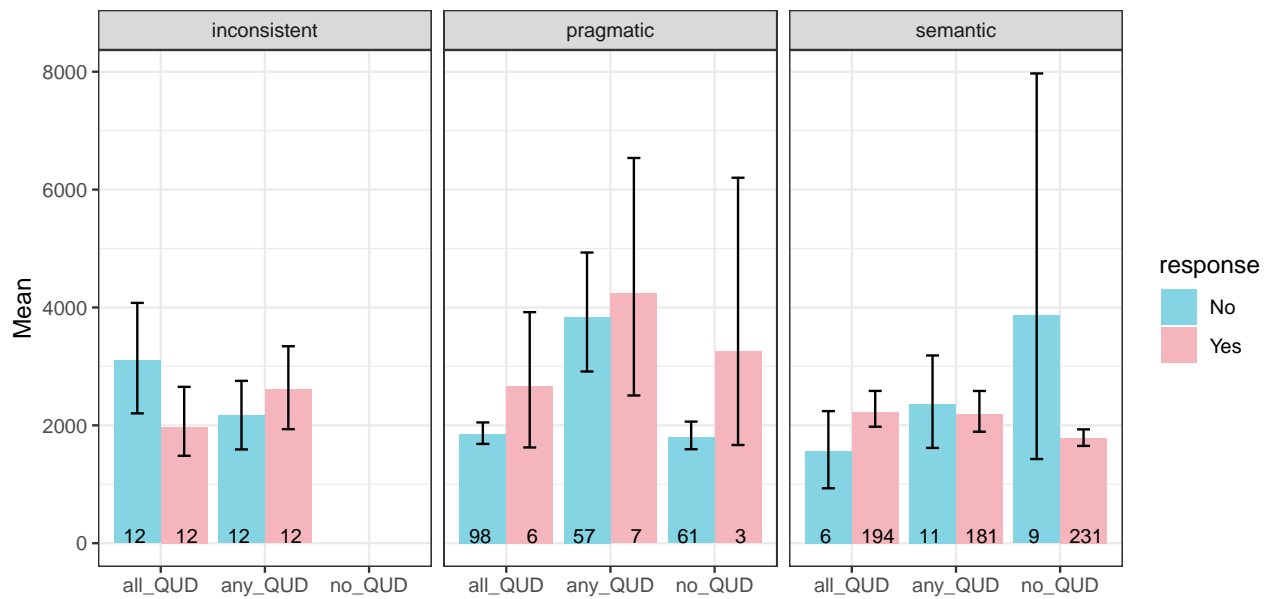
Distribution of response times in critical trials



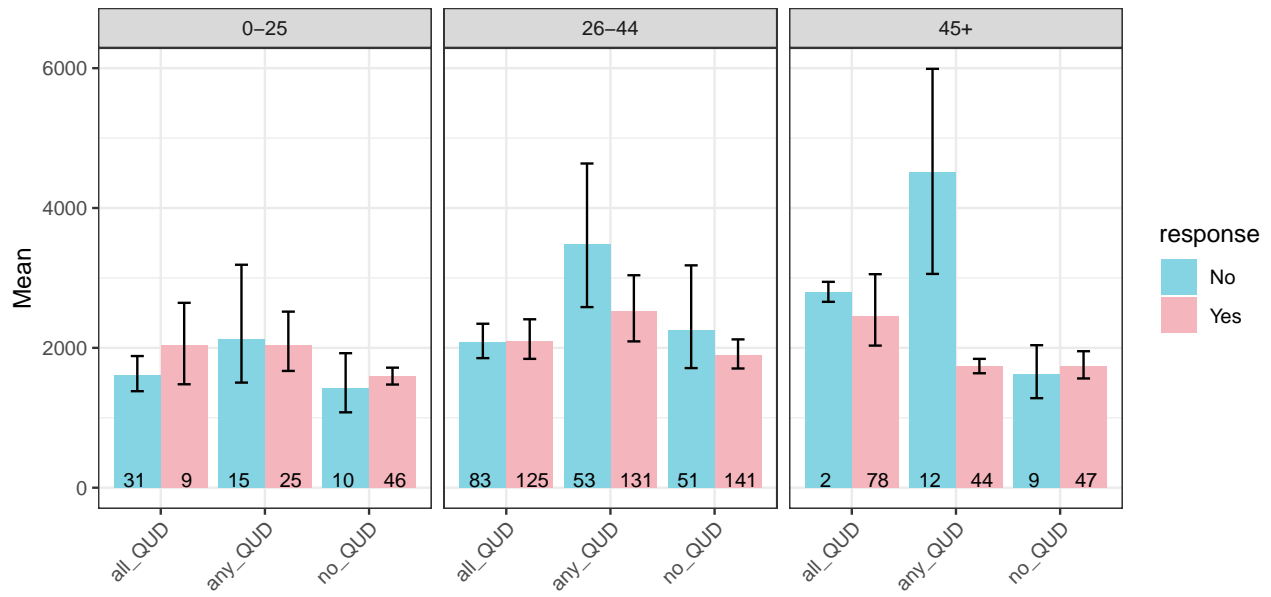
Response time and QUD



Response time as a function of responder type and QUD



Response time as a function of age and QUD



Response time as a function of age, responder type and QUD

