

Experiment 2: summa

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 (remove all attempts):

```
## [1] 114 115
```

Participants whose native language is not english:

```
## workerid language
## 1         70
## 2        109 Vietnamese
## 3        131 Spanish
```

Participants who got at least two practice trials wrong:

```
##
## 2 3 4
## 17 2 5
```

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:

```
## # A tibble: 1 x 2
## # Groups:   workerid [1]
## workerid n
##   <int> <int>
## 1     56     3
```

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

```
## # A tibble: 7 x 4
## # Groups:   workerid, gaveRightAnswer [7]
## workerid gaveRightAnswer n accuracy
##   <int> <chr>          <int>    <dbl>
## 1     25 1             51     79.7
## 2     50 1             31     48.4
## 3     71 1             54     84.4
## 4     72 1             54     84.4
## 5     98 1             41     64.1
## 6    113 1             53     82.8
## 7    132 1             36     56.2
```

Additional Exclusions

Participants who gave more than 5 very slow ($\log RT > 20$) responses:

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

Responses that are faster than the onset of the quantifier ($\text{rawRT} < 600$):

```
## [1] 2
```

Responses that are very slow ($\log RT > 20$):

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

After Exclusions

Number of participants:

```
## [1] 111
```

Participants left in each condition:

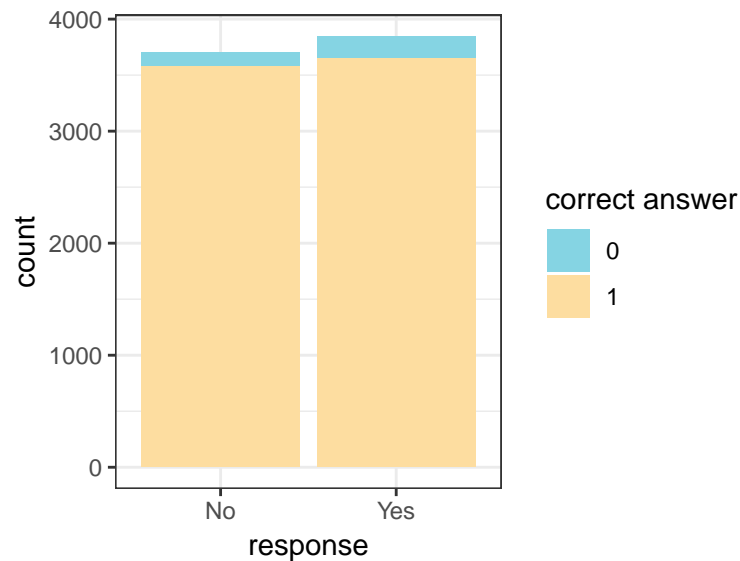
```
##
## all_QUD any_QUD no_QUD
##      37      36      38
```

General

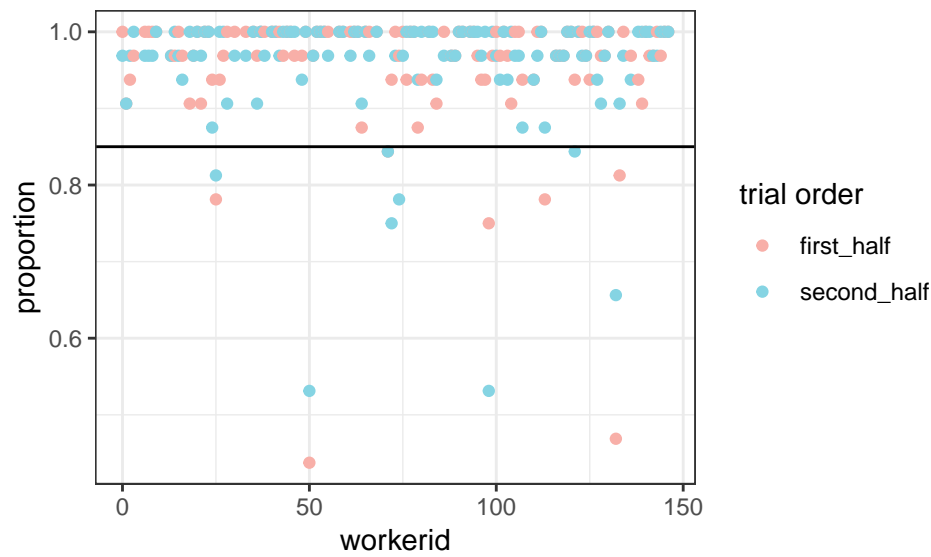
Expected number of yes and no answers:

```
##
##   No  Yes
## 3776 3776
```

Accuracy



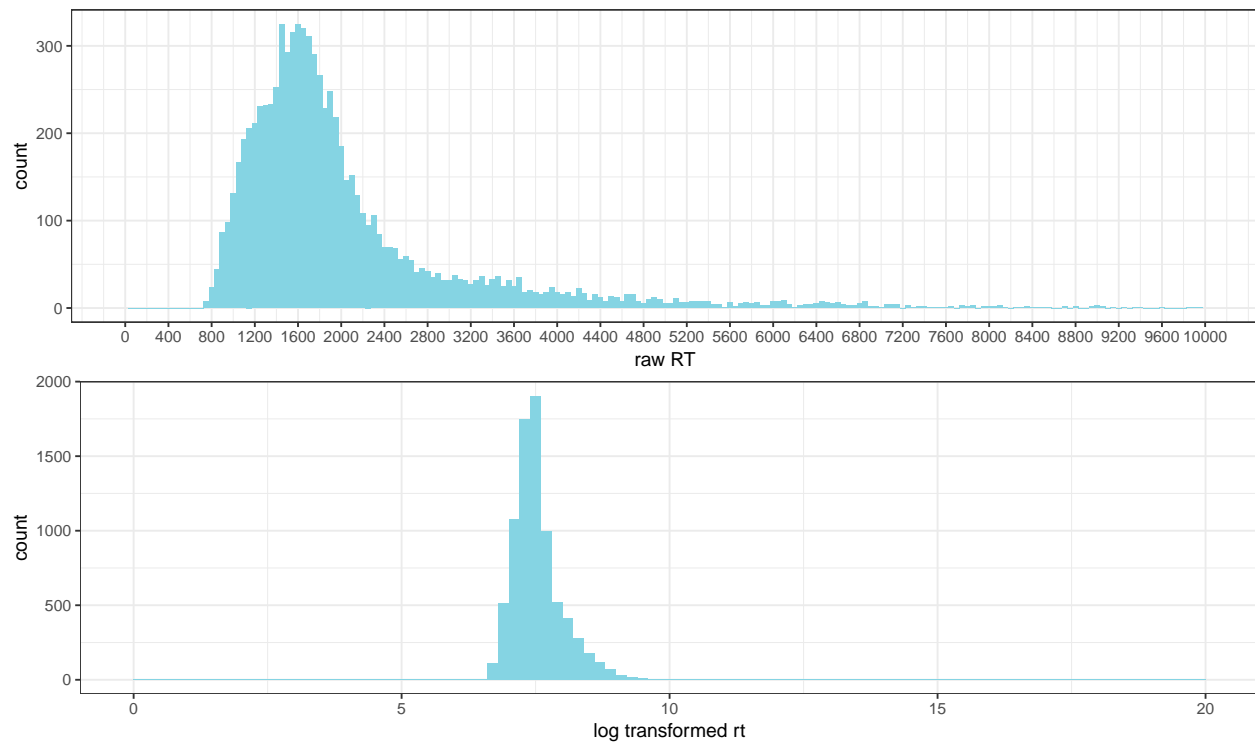
Accuracy and trial order



Distribution of RT and logRT

Warning: Removed 41 rows containing non-finite values (stat_bin).

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



15 fastest responses (raw RT)

[1] 749 761 762 762 767 772 773 777 777 786 787 797 797 798 801

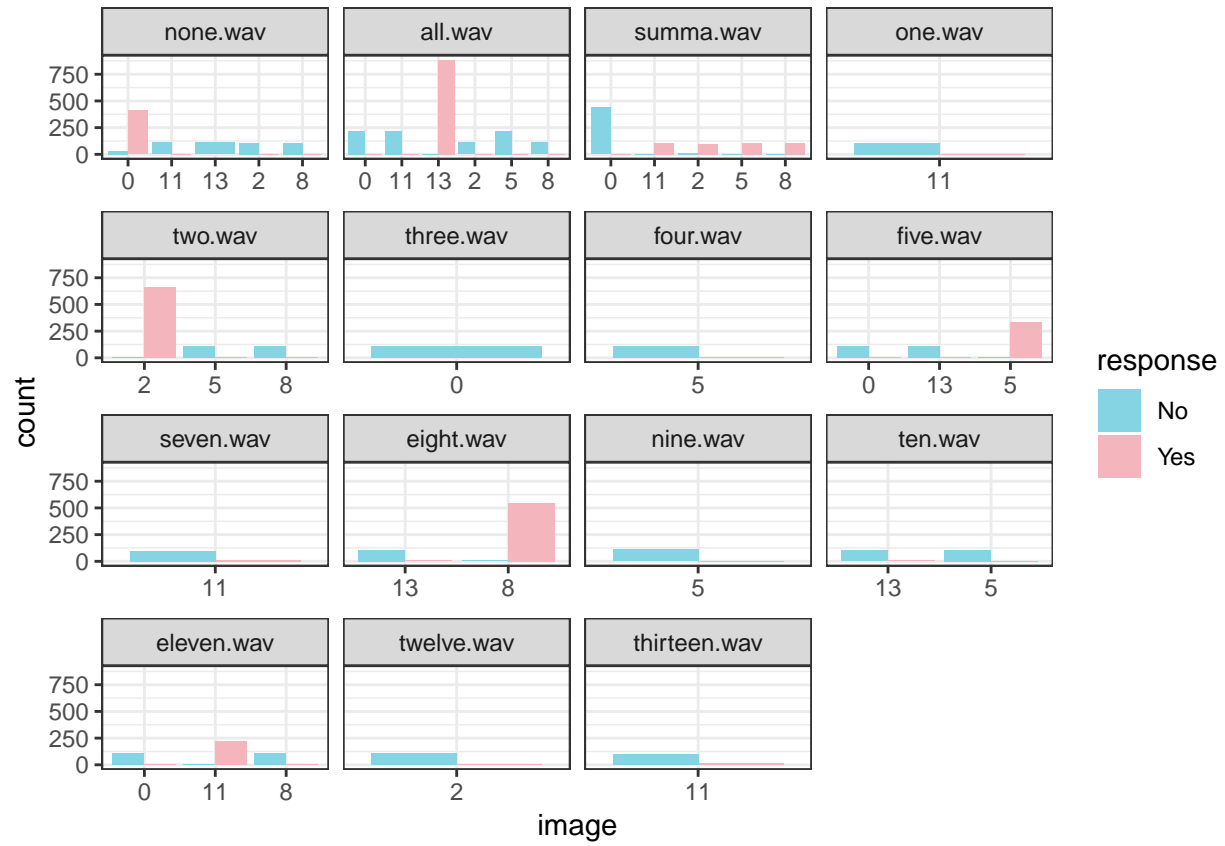
15 slowest responses (raw RT)

[1] 15259 16679 17576 17941 18571 20420 21136 21460 22898 24191

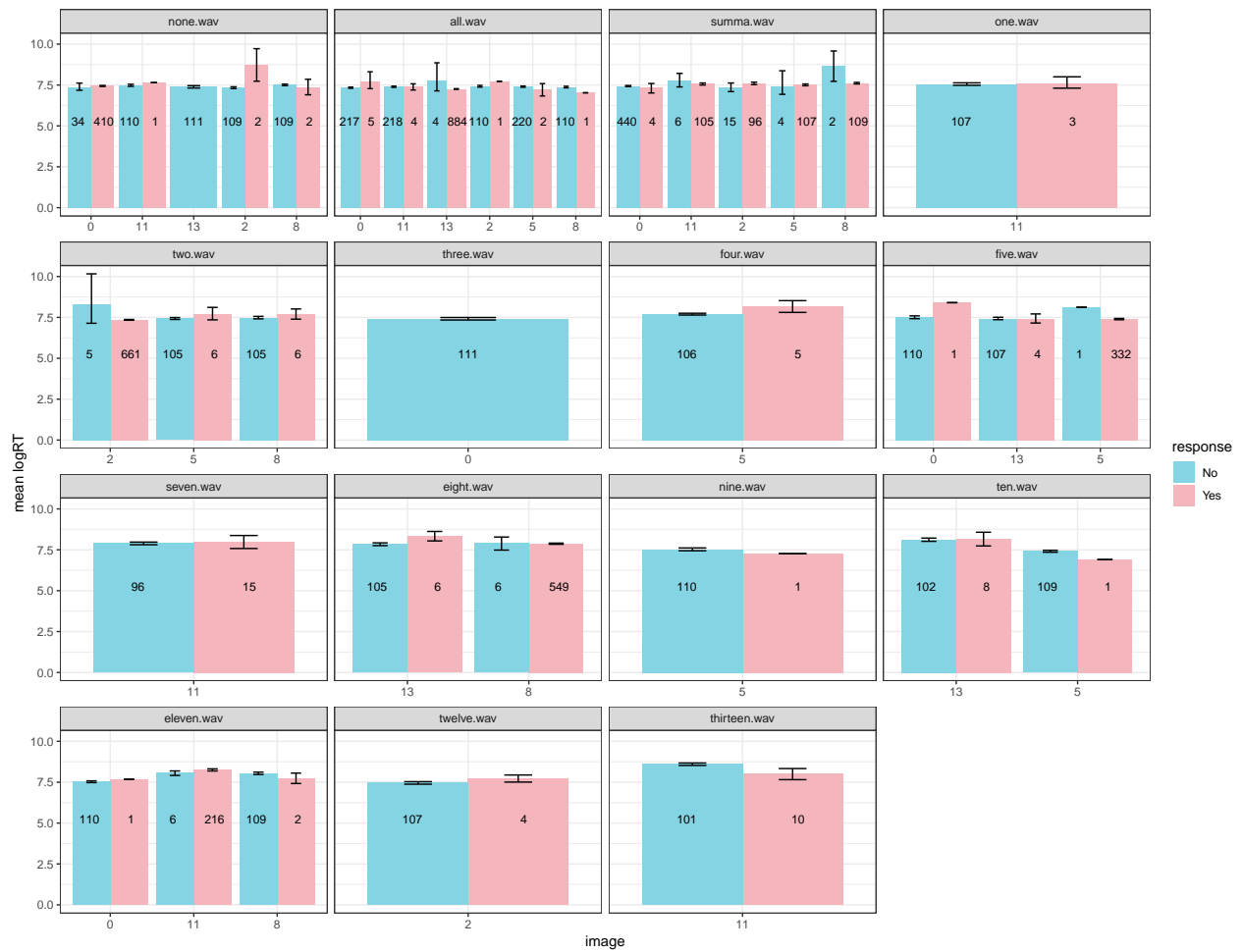
[11] 26063 26384 28856 107992 161349

Non-critical Trials

Response type:



Response time:

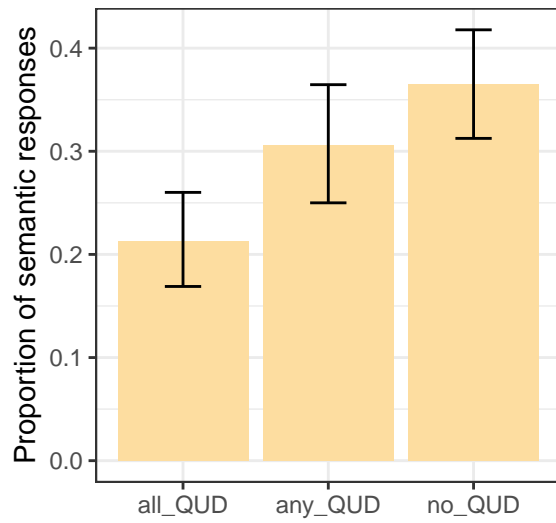


Critical Trials

Total number of critical trials (8 per participant):

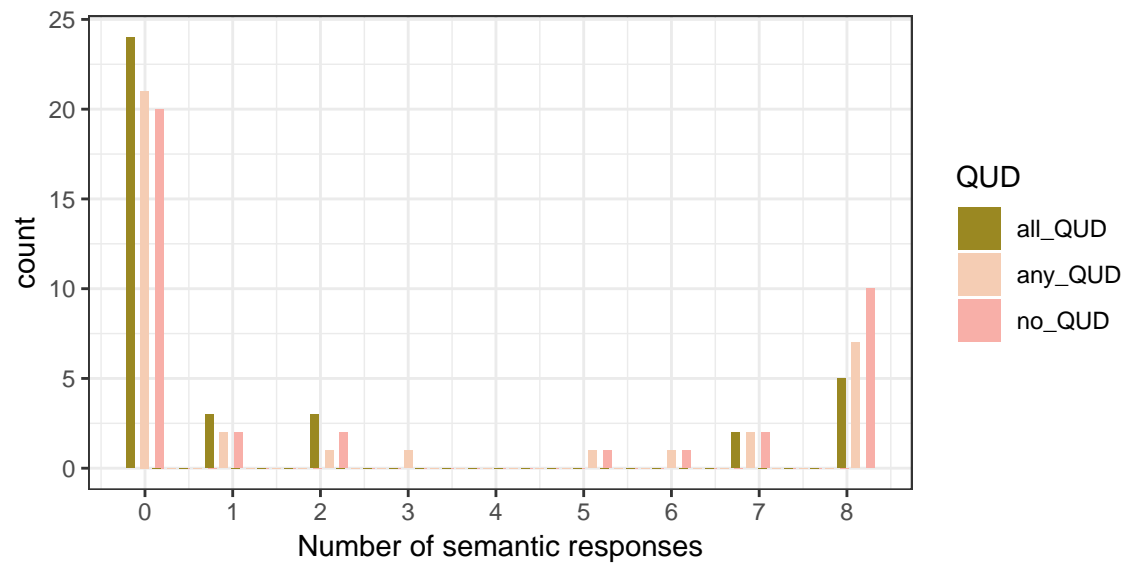
[1] 888

Response Type

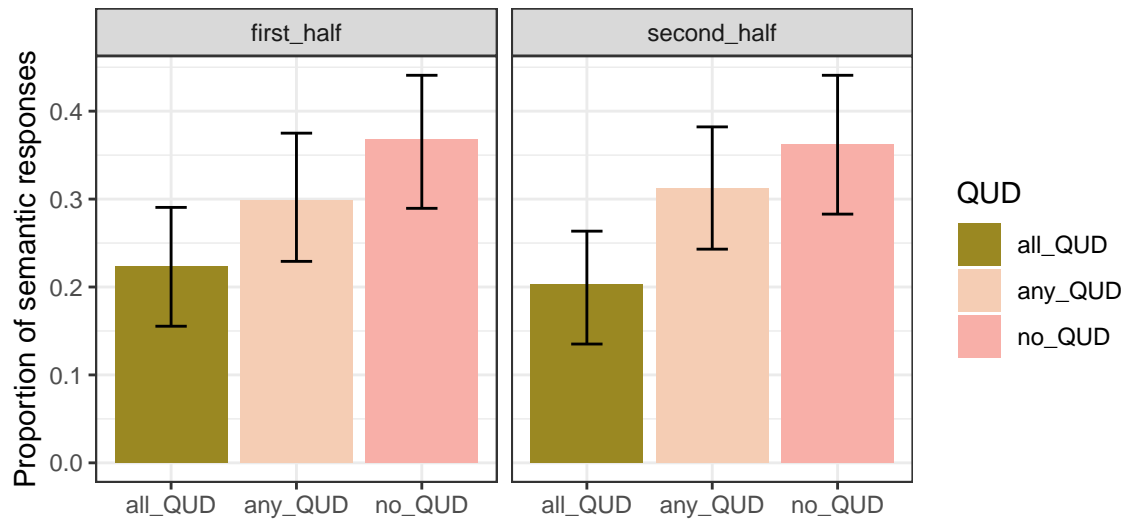


Distribution of participants over number of semantic responses

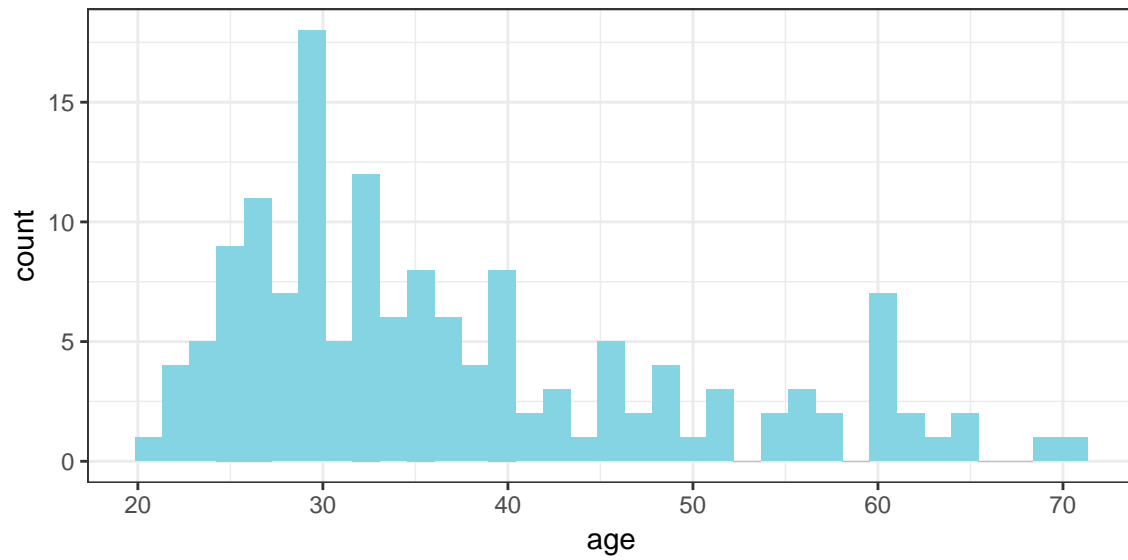
##		0	1	2	3	5	6	7	8
##	all_QUD	24	3	3	0	0	0	2	5
##	any_QUD	21	2	1	1	1	1	2	7
##	no_QUD	20	2	2	0	1	1	2	10



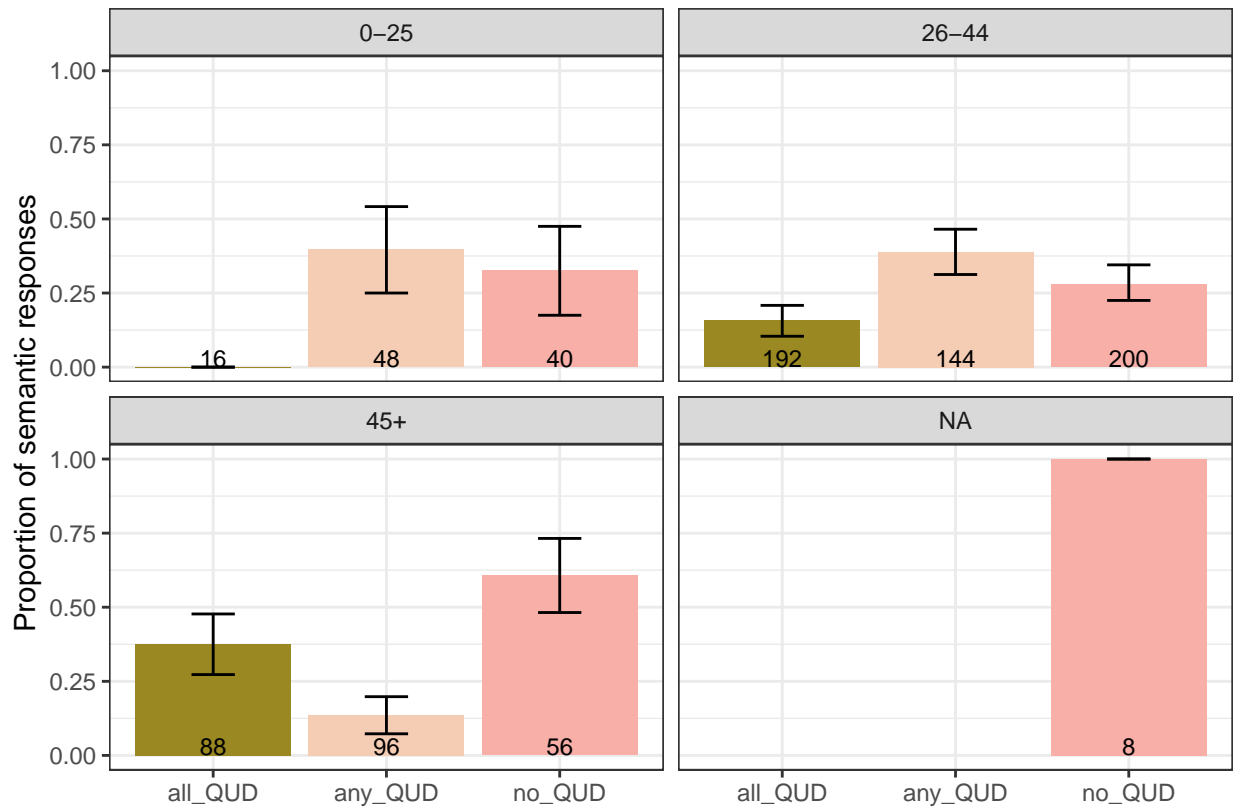
Response type and trial order



Age distribution of participants



Response type and age

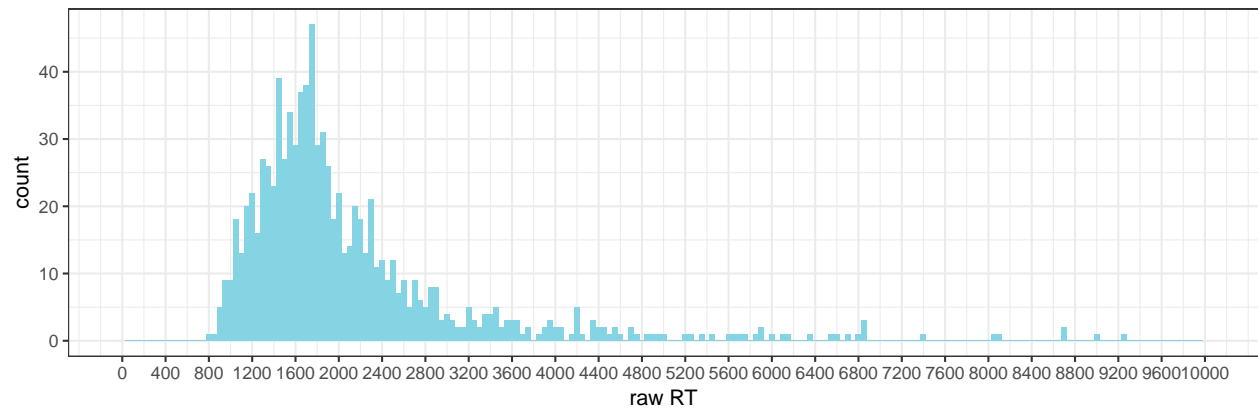


Response Time

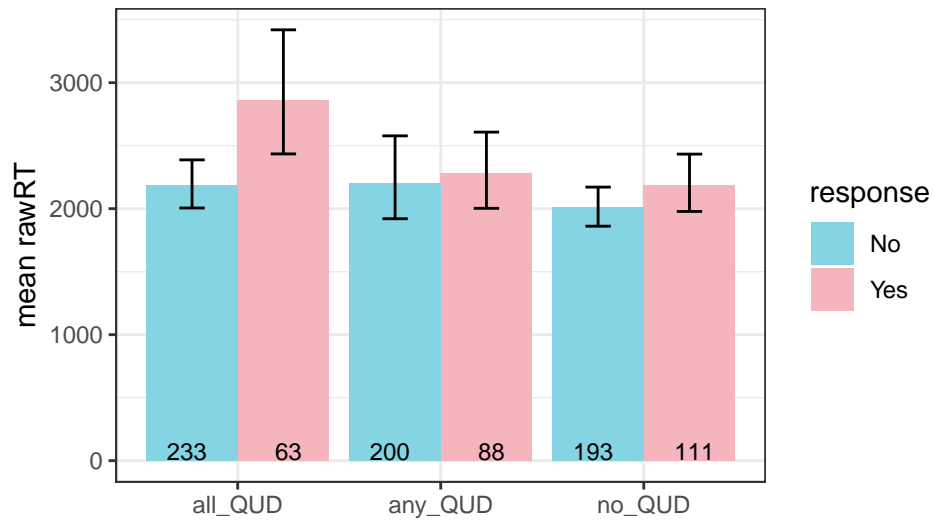
Distribution of response times in critical trials

Warning: Removed 6 rows containing non-finite values (stat_bin).

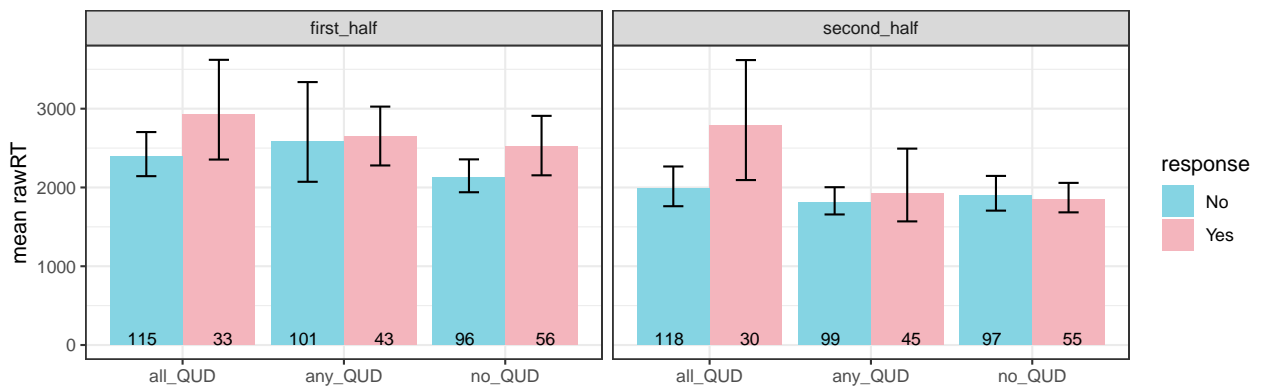
Warning: Removed 2 rows containing missing values (geom_bar).



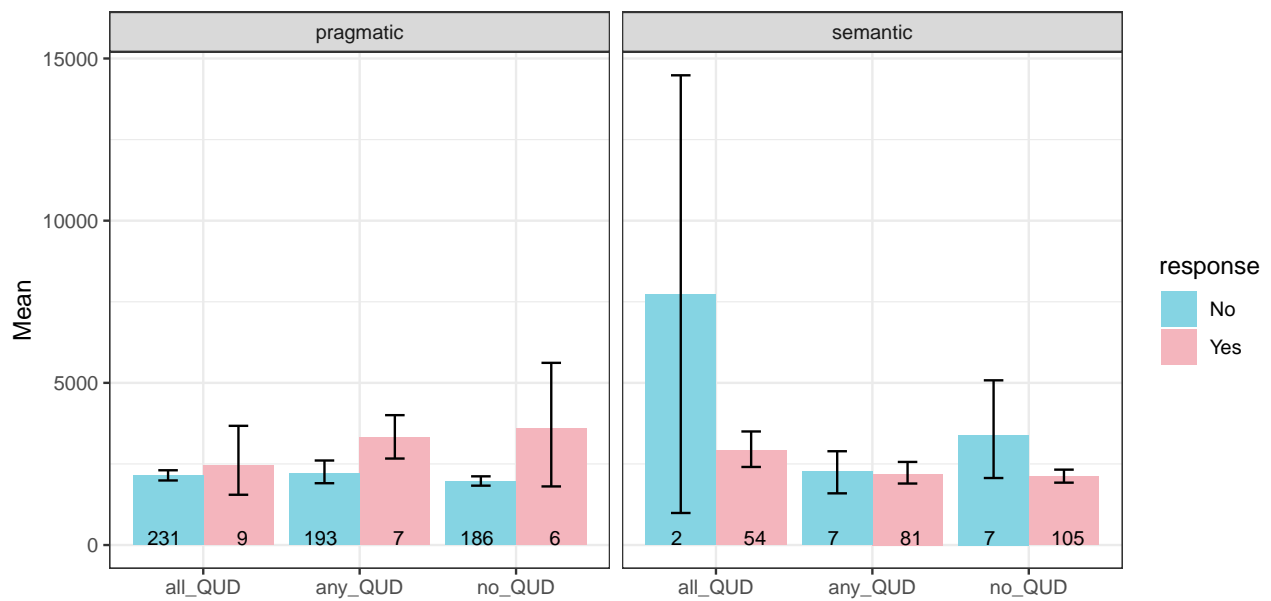
Response time and QUD



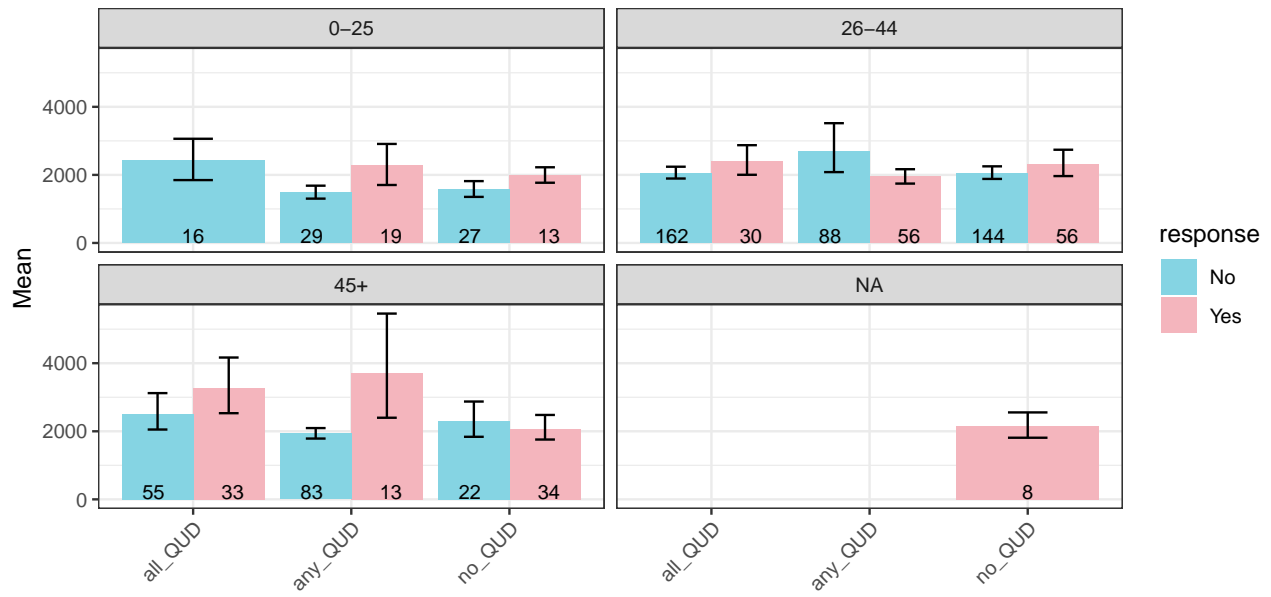
Response time, trial order and QUD



Response time, responder type and QUD



Response time, age and QUD



Response time, age, responder type and QUD

