Experiment 2: summa

Before Exclusions

Number of participants tested:

```
## [1] 148
```

Participants in each condition:

```
##
## all_QUD any_QUD  no_QUD
##      50      50      48
```

Exclusions

Non-unique participants:

```
## [1] 131
```

Participants whose native language is not english:

```
##   workerid
## 1       33
## 2       70
## 3      109
## 4      131
```

Participants who got at least two practice trials wrong:

```
##
##  2  3  4
## 17  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:

```
##
## 23 56
##  1  3
```

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

```
## # A tibble: 8 x 4
## # Groups:   workerid, gaveRightAnswer [8]
##   workerid gaveRightAnswer     n accuracy
##      <int> <chr>           <int>    <dbl>
## 1       25 1                  47     73.4
## 2       50 1                  32     50
## 3       71 1                  50     78.1
## 4       74 1                  52     81.2
## 5       98 1                  37     57.8
## 6      107 1                  54     84.4
## 7      121 1                  53     82.8
## 8      132 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:
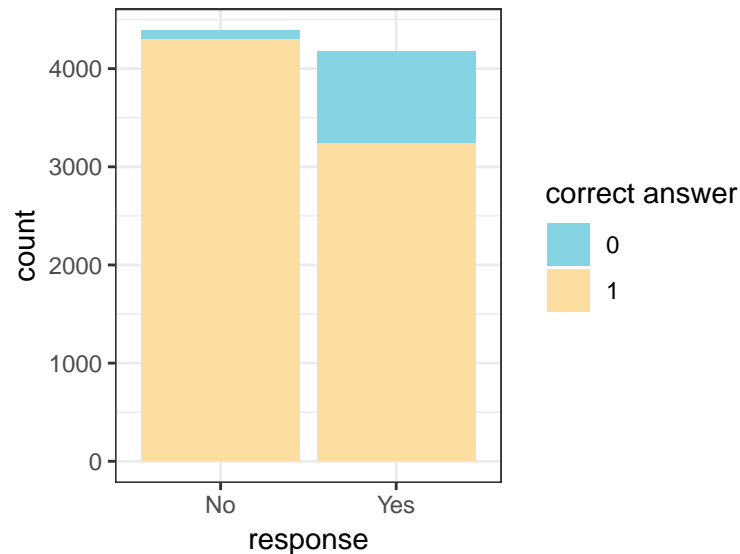
```
## [1] 111
```

Participants left in each condition:

```
##
## all_QUD any_QUD  no_QUD
##      36      36      38
```
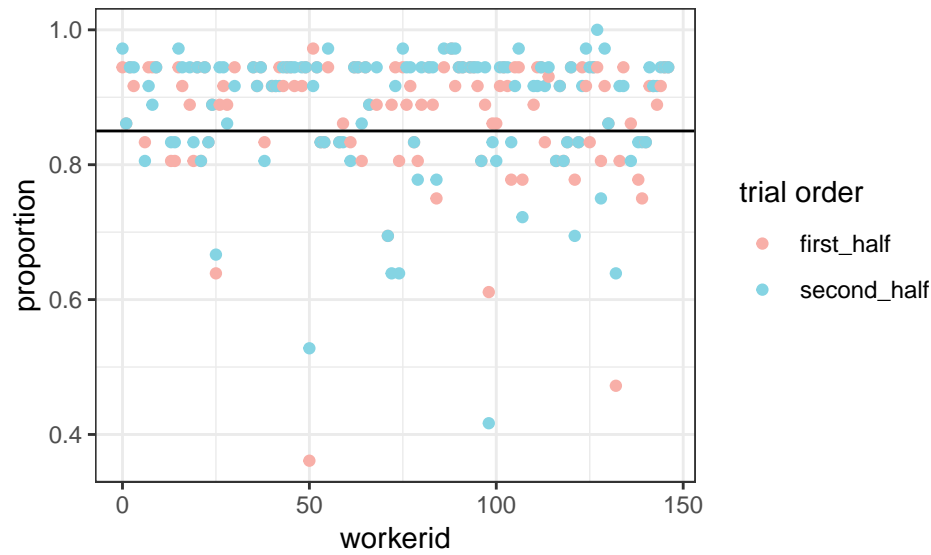
General

Expected number of yes and no answers:
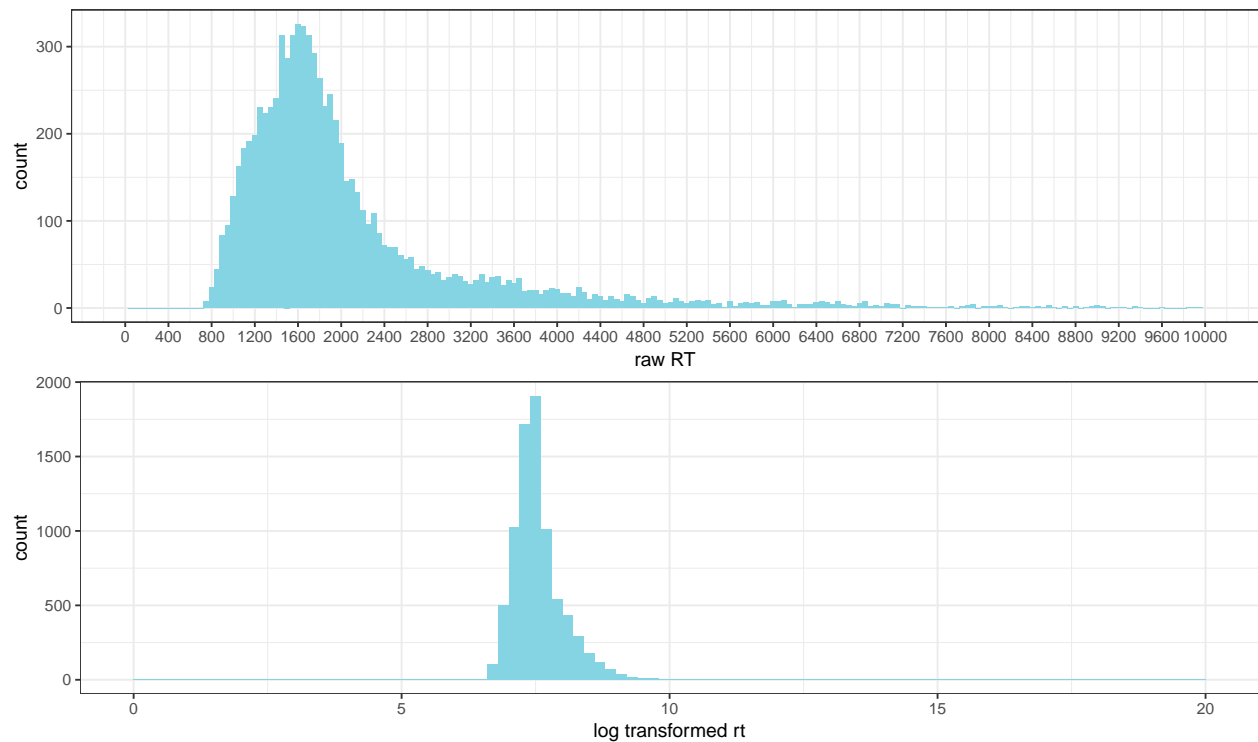
```
##
##   No  Yes
## 5236 3332
```

Accuracy

Accuracy and trial order

Distribution of RT and logRT

```
## Warning: Removed 49 rows containing non-finite values (stat_bin).
```

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


15 fastest responses (raw RT)

```
##  [1] 749 761 762 762 767 772 773 777 777 787 797 797 798 801 808
```
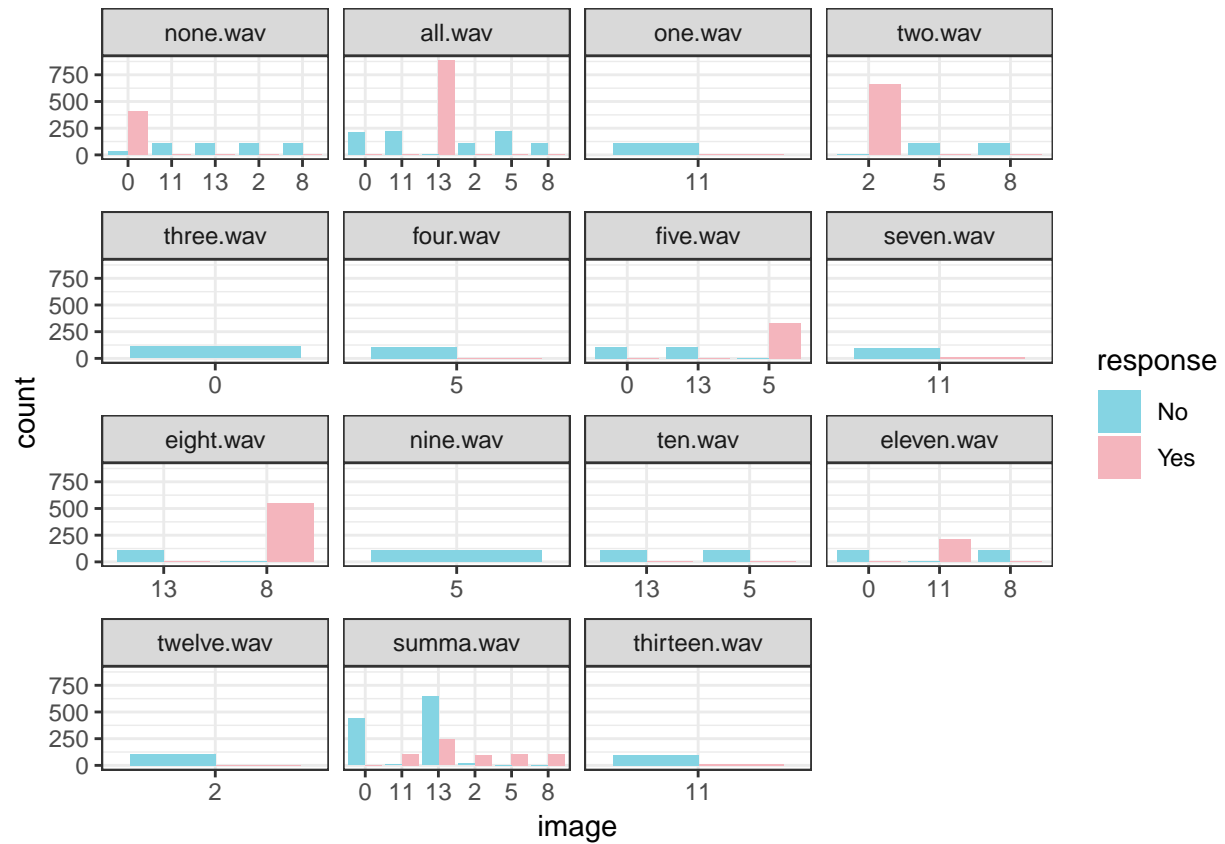
15 slowest responses (raw RT)

```
##  [1]  18571  20420  20699  21136  21460  22898  24191  24239  26063  26384
## [11]  26421  28856  29611 107992 161349
```

Non-critical Trials

Response type:

```
## Warning: Unknown levels in `f`: some.wav
```


Response time:

Critical Trials

Total number of critical trials (8 per participant):

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

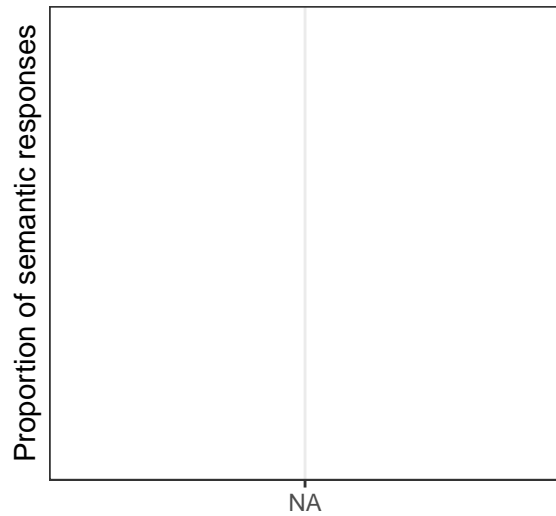## Response Type

```
## Warning: Factor `Answer.condition` contains implicit NA, consider using
## `forcats::fct_explicit_na`
```
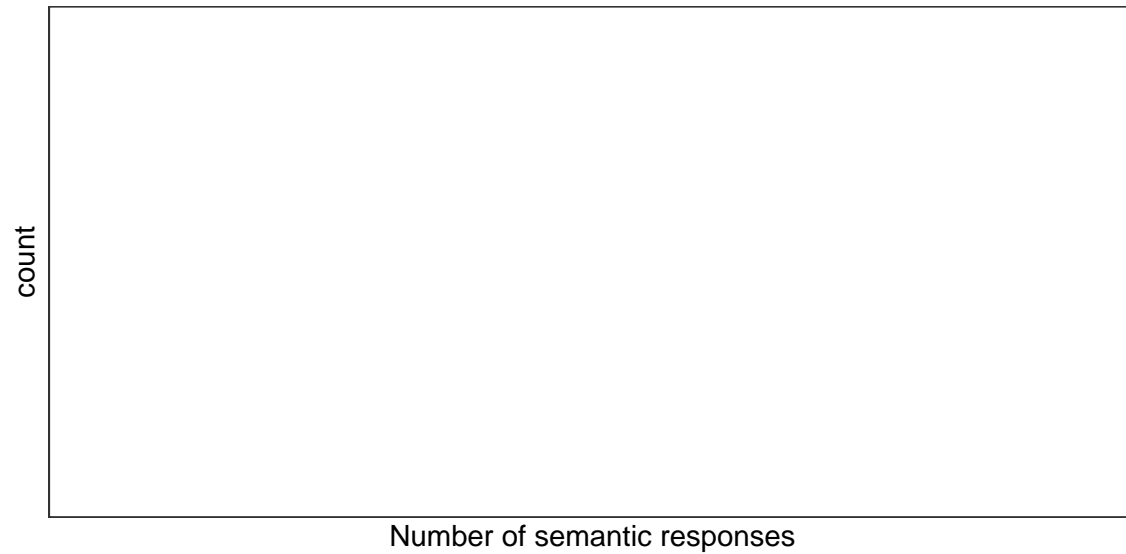
```
## Warning: Removed 1 rows containing missing values (position_stack).
```

```
## Warning: Removed 1 rows containing missing values (geom_errorbar).
```

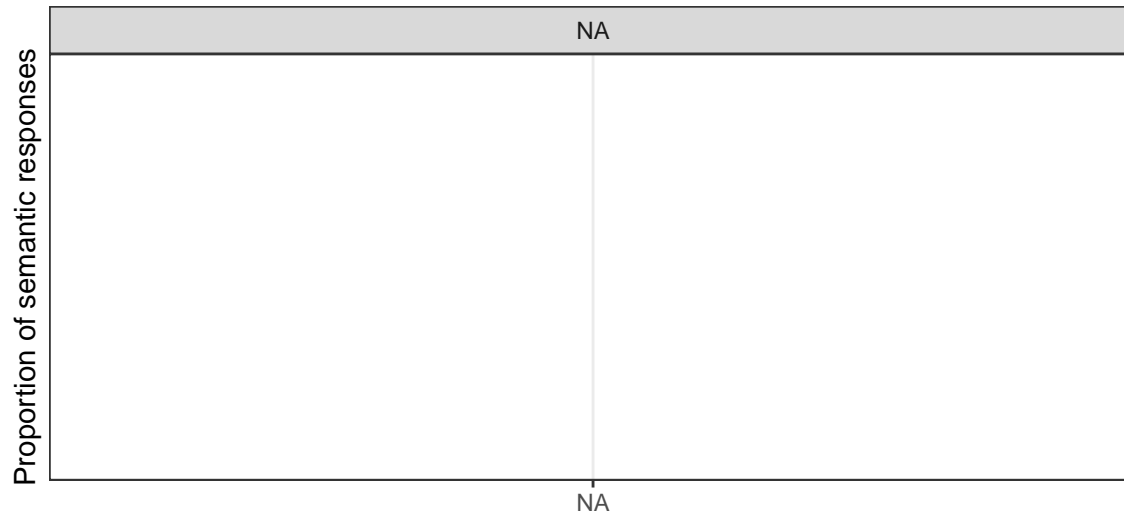**Distribution of participants over number of semantic responses**

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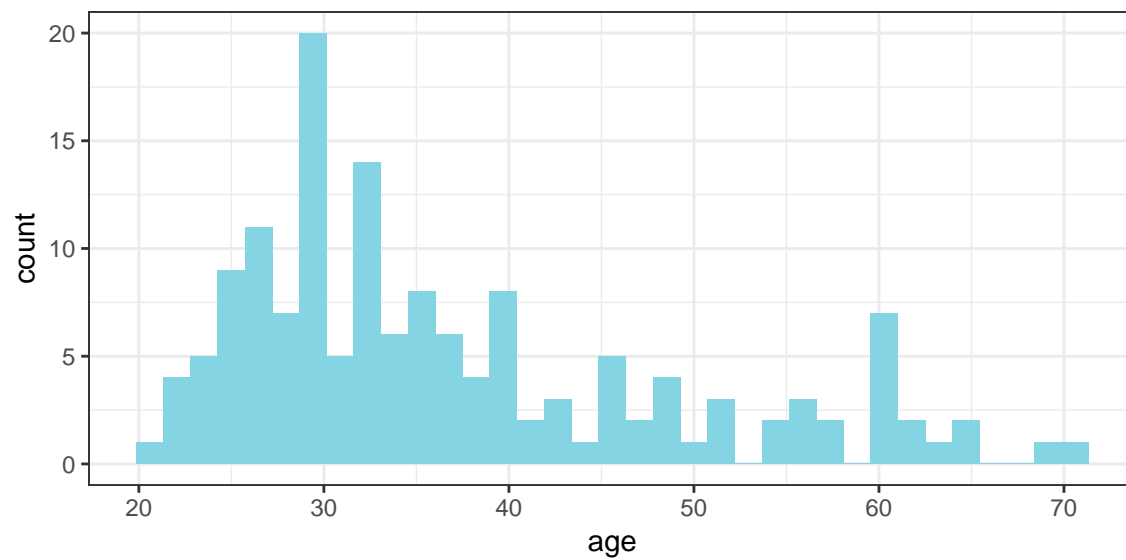

Response type and trial order

```
## Warning: Factor `Answer.condition` contains implicit NA, consider using
## `forcats::fct_explicit_na`
```

```
## Warning: Factor `slide_type` contains implicit NA, consider using
## `forcats::fct_explicit_na`
```

```
## Warning: Removed 1 rows containing missing values (position_stack).
```

```
## Warning: Removed 1 rows containing missing values (geom_errorbar).
```
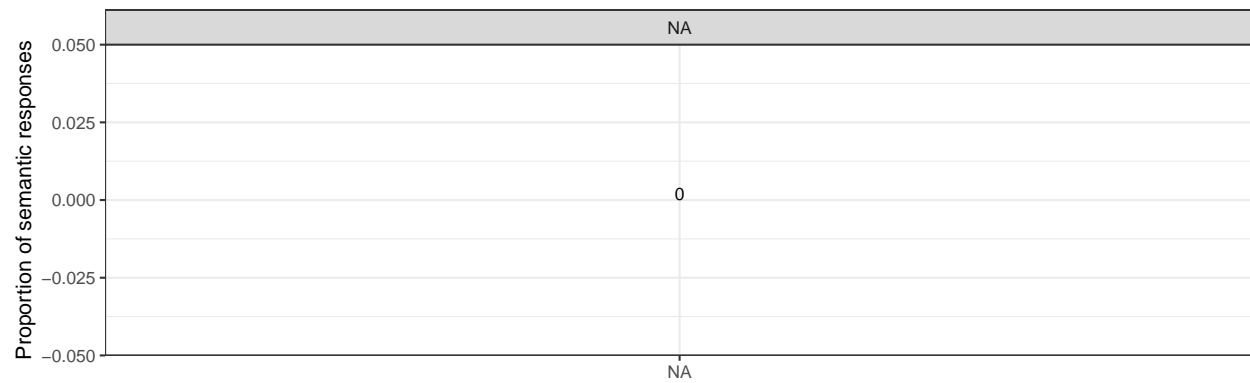
Age distribution of participants

Response type and age

```
## Warning: Factor `Answer.condition` contains implicit NA, consider using
## `forcats::fct_explicit_na`

## Warning: Removed 1 rows containing missing values (position_stack).

## Warning: Removed 1 rows containing missing values (geom_errorbar).
```
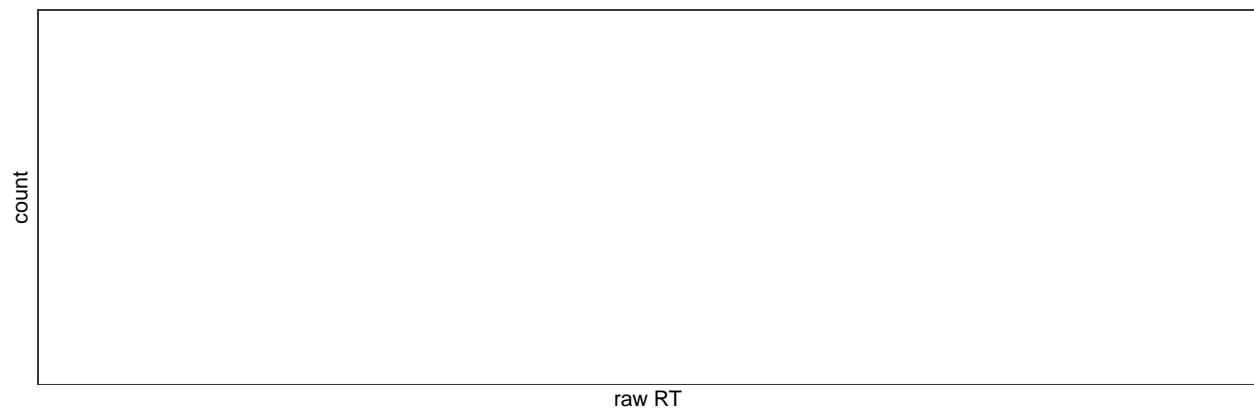
Response Time

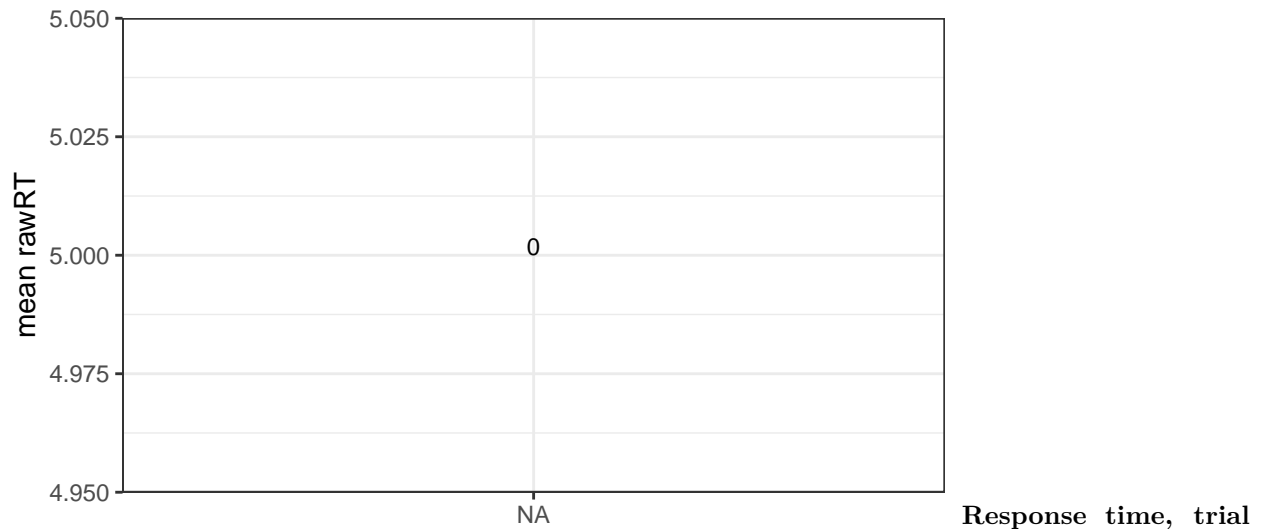## Distribution of response times in critical trials

Response time and QUD

```
## Warning: Factor `Answer.condition` contains implicit NA, consider using
## `forcats::fct_explicit_na`
```

```
## Warning: Factor `key` contains implicit NA, consider using
## `forcats::fct_explicit_na`
```

```
## Warning: Removed 1 rows containing missing values (geom_bar).
```

```
## Warning: Removed 1 rows containing missing values (geom_errorbar).
```

Response time, trial order and QUD

```
## Warning: Factor `slide_type` contains implicit NA, consider using
## `forcats::fct_explicit_na`
```

```
## Warning: Factor `key` contains implicit NA, consider using
## `forcats::fct_explicit_na`
```

```
## Warning: Factor `Answer.condition` contains implicit NA, consider using
## `forcats::fct_explicit_na`
```

```
## Warning: Removed 1 rows containing missing values (geom_bar).
```

```
## Warning: Removed 1 rows containing missing values (geom_errorbar).
```
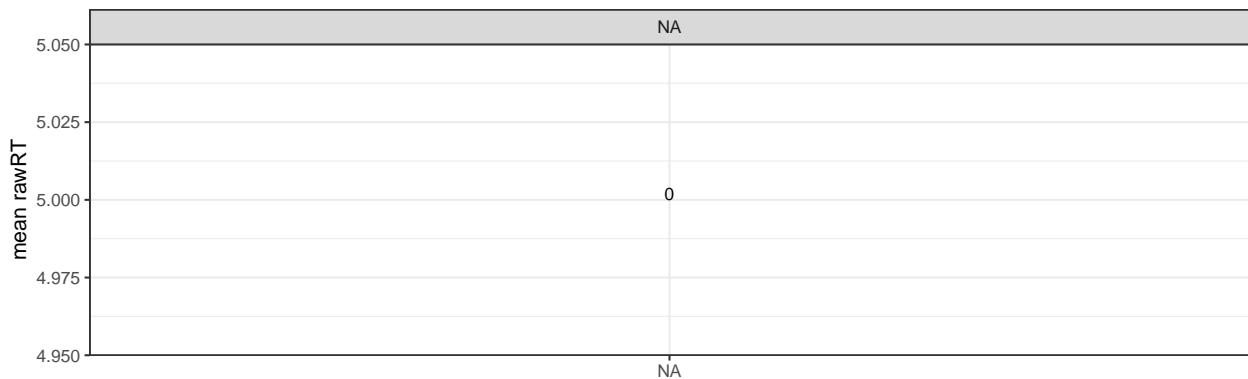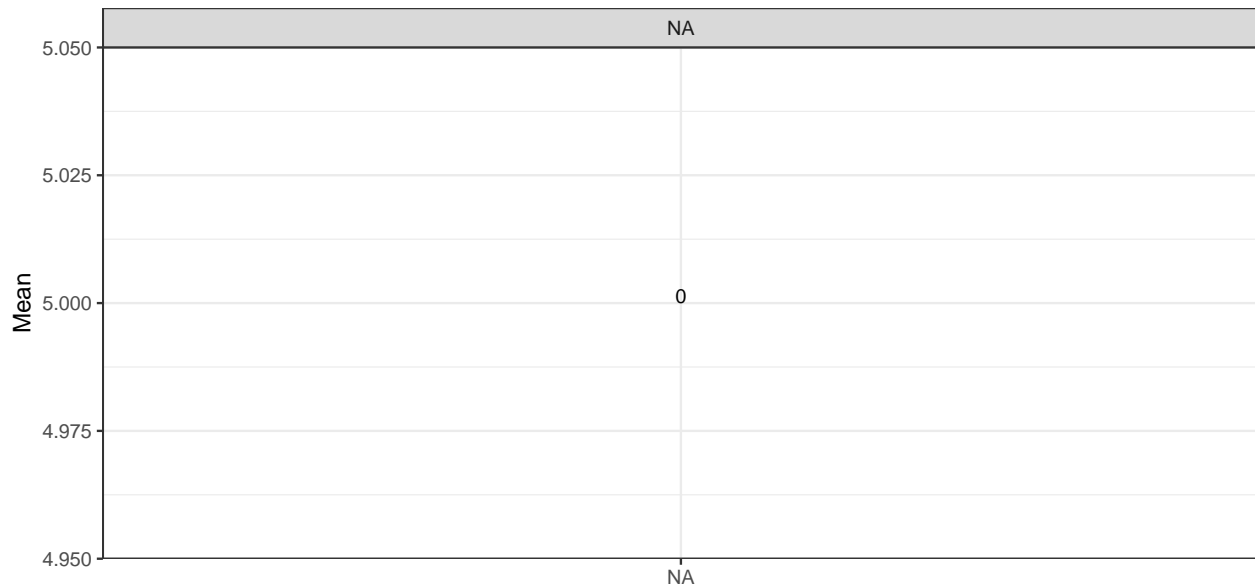

Response time, responder type and QUD

```
## Warning: Factor `Answer.condition` contains implicit NA, consider using
## `forcats::fct_explicit_na`
```

```
## Warning: Factor `key` contains implicit NA, consider using
## `forcats::fct_explicit_na`
```

```
## Warning: Removed 1 rows containing missing values (geom_bar).
```

```
## Warning: Removed 1 rows containing missing values (geom_errorbar).
```
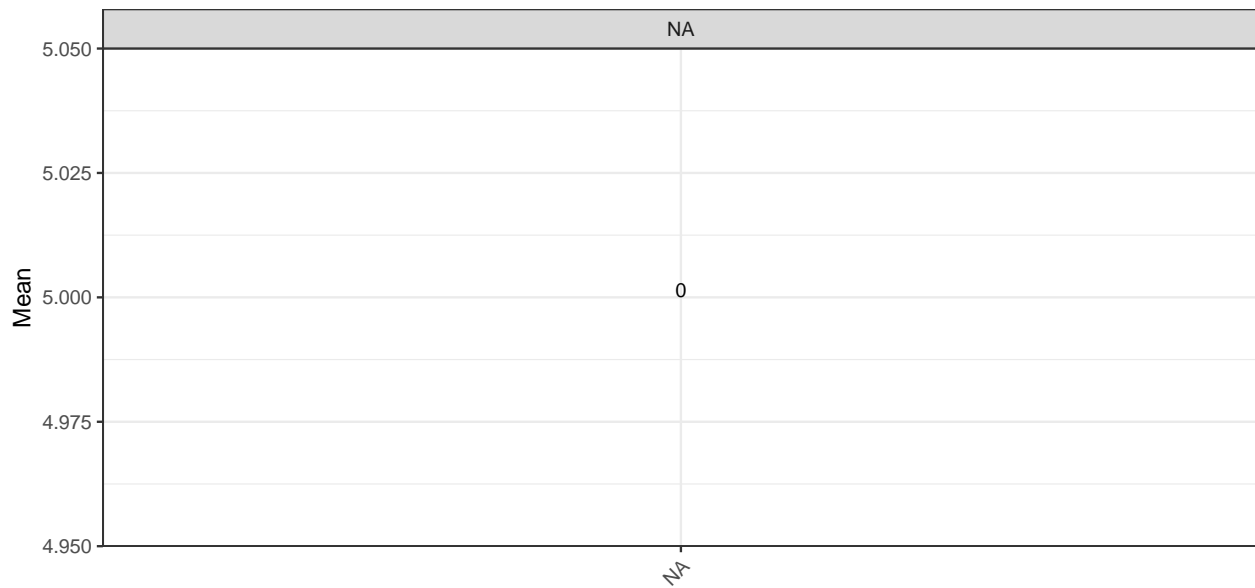
Response time, age and QUD

```
## Warning: Factor `Answer.condition` contains implicit NA, consider using
## `forcats::fct_explicit_na`
```

```
## Warning: Factor `key` contains implicit NA, consider using
## `forcats::fct_explicit_na`
```

```
## Warning: Removed 1 rows containing missing values (geom_bar).
```

```
## Warning: Removed 1 rows containing missing values (geom_errorbar).
```


Response time, age, responder type and QUD

```
## Warning: Factor `Answer.condition` contains implicit NA, consider using
## `forcats::fct_explicit_na`
```

```
## Warning: Factor `key` contains implicit NA, consider using
## `forcats::fct_explicit_na`
```

```
## Warning: Removed 1 rows containing missing values (geom_bar).
```

```
## Warning: Removed 1 rows containing missing values (geom_errorbar).
```