

# Results

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```
library(yaml)
library(here)

here() starts at /root/repo

fmt3 <- function(x) sprintf("%.3f", x)
fmt6 <- function(x) sprintf("%.6f", x)

cleaning <- yaml::read_yaml(here("outputs", "results", "cleaning.yml"))
base <- yaml::read_yaml(here("outputs", "results", "base_lm.yml"))
```

## Cleaning

The pipeline kept 137133 of 235016 trials (dropped 97883). Settings: correct-only = TRUE, RT range = 200–2000 ms.

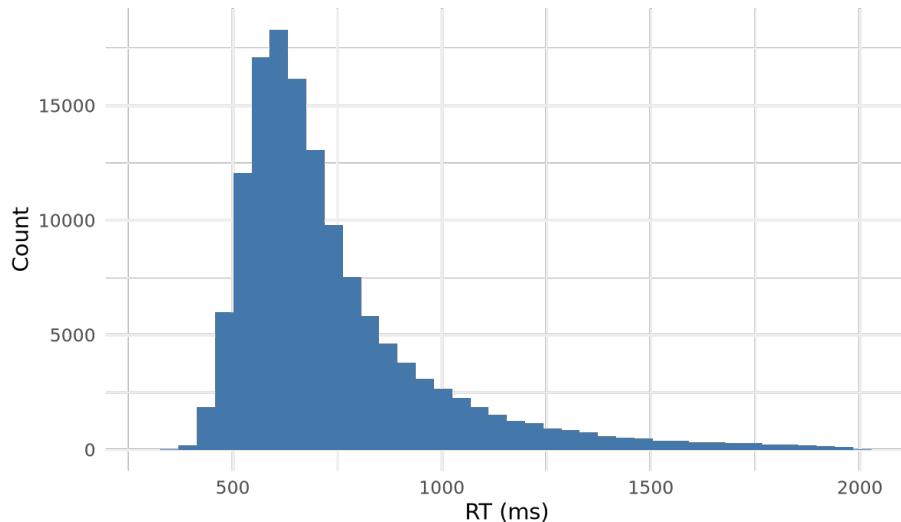
```
data.frame(
  setting = c(
    "correct_only",
    "rt_min_ms",
    "rt_max_ms",
    "total_trials",
    "kept_trials",
    "dropped_trials"
  ),
  value = c(
    as.character(cleaning$trimming$correct_only),
    cleaning$trimming$rt_min_ms,
    cleaning$trimming$rt_max_ms,
    cleaning$counts$total_trials,
    cleaning$counts$kept_trials,
    cleaning$counts$dropped_trials
```

```
)  
)
```

```
      setting  value  
1  correct_only    TRUE  
2      rt_min_ms     200  
3      rt_max_ms   2000  
4 total_trials 235016  
5  kept_trials 137133  
6 dropped_trials  97883
```

```
knitr:::include_graphics(here("outputs", "figures", "rt_hist.png"))
```

RT histogram (kept 137133/235016 trials)



## Baseline model: frequency and strokes

```
data.frame(  
  term = c("intercept", "log_freq", "strokes"),  
  estimate = c(  
    fmt6(as.numeric(base$coefficients$intercept)),  
    fmt6(as.numeric(base$coefficients$log_freq)),  
    fmt6(as.numeric(base$coefficients$strokes))  
  )  
)  
  
term  estimate  
1 intercept  6.452355  
2 log_freq -0.070823
```

3    **strokes**   0.013355

R<sup>2</sup> 0.434; adjusted R<sup>2</sup> 0.433; residual sigma 0.099. AIC -6851.160, BIC -6826.134.