

# 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

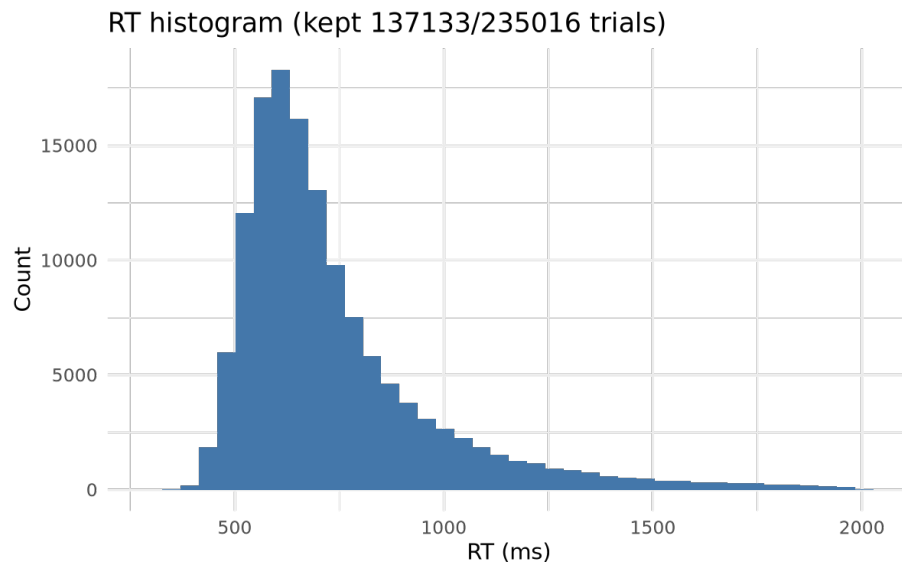
The pipeline kept 137133 of 235016 trials (dropped 97883). Settings: correct-only = TRUE, RT range = 200–2000 ms.

```
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"))
```



### 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

$R^2$  0.434; adjusted  $R^2$  0.433; residual sigma 0.099.    AIC -6851.160, BIC  
-6826.134.