

# Results

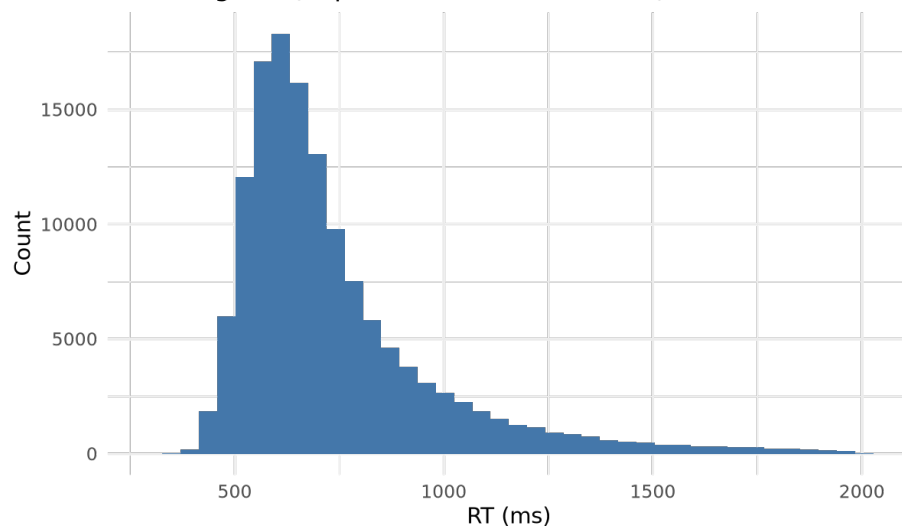
here() starts at /root/repo

## Cleaning

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

	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

RT histogram (kept 137133/235016 trials)



## Baseline model: frequency and strokes

term	estimate
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1 intercept  6.452355
2 log_freq -0.070823
3 strokes  0.013355

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

## Visual complexity penalty

The partial effect of strokes remains reliable after holding frequency at its median (0.605111). The smooth term uses 2.656 effective degrees of freedom ( $F = 248.842$ ,  $p = 0.000000$ ). The predicted range from the least to most complex characters implies a 0.340 increase in log RT (about 244.060 ms). The strongest penalty lies between 21.5 and 25 strokes (top 85% of the effect curve).

	metric	value
1	edf (strokes)	2.656
2	F statistic	248.842
3	p-value	0.000000
4	log RT span	0.340020
5	RT span (ms)	244.060
6	penalty strokes min	21.5
7	penalty strokes max	25

