

Agentic AI Demo Report

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```
library(yaml)
library(jsonlite)

metrics_path <- here::here("outputs", "results", "metrics.yml")
cleaning_path <- here::here("outputs", "results", "cleaning.yml")
fig_path <- here::here("outputs", "figures", "rt_hist.png")

metrics <- if (file.exists(metrics_path)) yaml::read_yaml(metrics_path) else list()
cleaning <- if (file.exists(cleaning_path)) yaml::read_yaml(cleaning_path) else list()
```

Overview

This report reads pre-computed outputs from the simple demo pipeline.

- Processed data: outputs/data/processed.csv
- Cleaning summary: outputs/results/cleaning.yml
- Model metrics: outputs/results/metrics.yml

Cleaning Summary

```
if (length(cleaning)) {
  as.data.frame(t(unlist(cleaning)), optional = TRUE)
} else {
  data.frame(message = "No cleaning summary found. Run `make explore`.")
}

  timestamp trimming.correct_only trimming.rt_min_ms
1 2025-10-31T11:47:42+0000           TRUE          200
  trimming.rt_max_ms counts.total_trials counts.kept_trials
```

```
1           2000          12          9
counts.dropped_trials
1             3
```

Model Metrics

```
as.data.frame(t(unlist(metrics)), optional = TRUE)

  timestamp                         model FALSE
1 2025-10-31T11:46:50+0000 lm(mean_log_rt ~ log_freq + strokes)    4
  coefficients.intercept coefficients.log_freq coefficients.strokes      r2
1               6.832225                 -0.246769            0.034337 0.997707
```

RT Histogram (kept trials)

```
if (file.exists(fig_path)) {
  knitr::include_graphics(fig_path)
} else {
  cat("Figure not found: ", fig_path)
}
```

