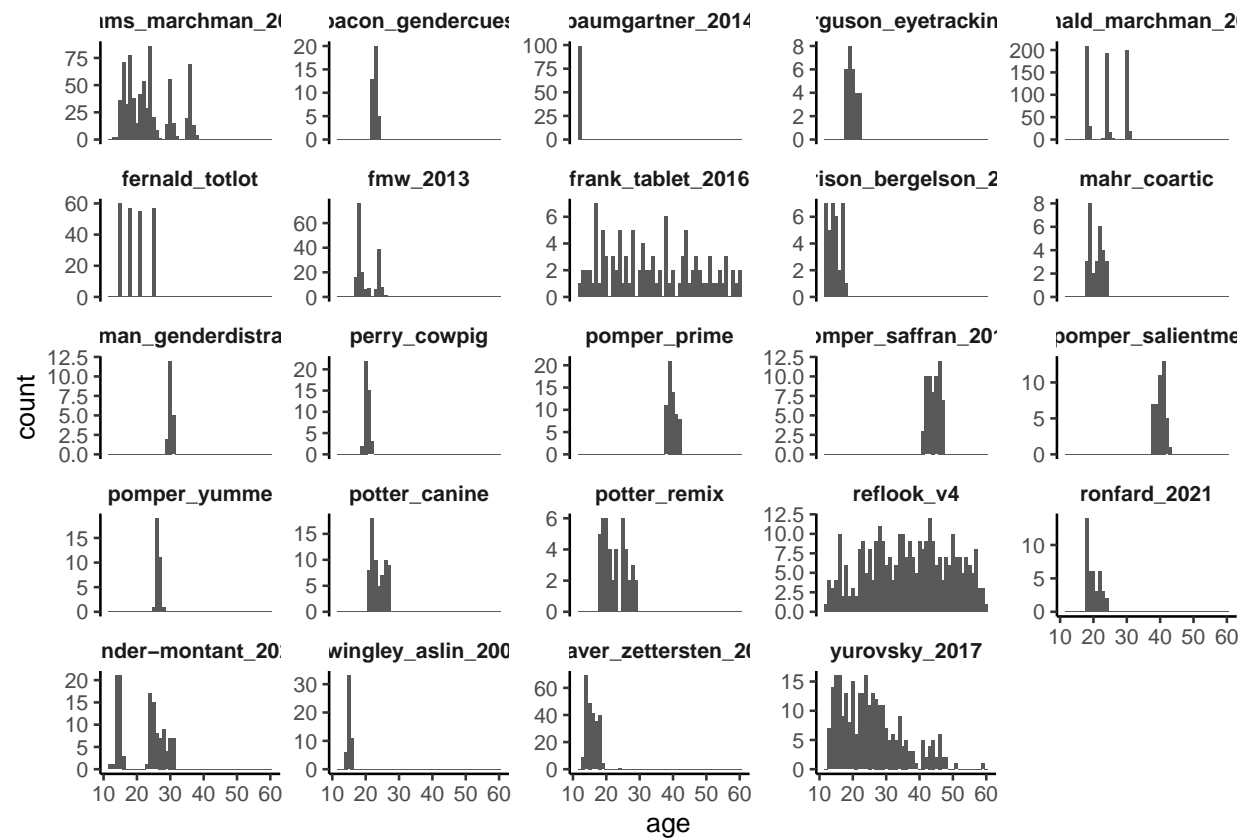


Supplemental Information

```
## |
## [1] "paper.R"
```

Dataset description



Speed and accuracy

Correlations between variables

Exploratory Factor Analysis

- Full EFA results

Alternative Factor Structures

- Alternative factor models: variances together, two factor, etc. etc.

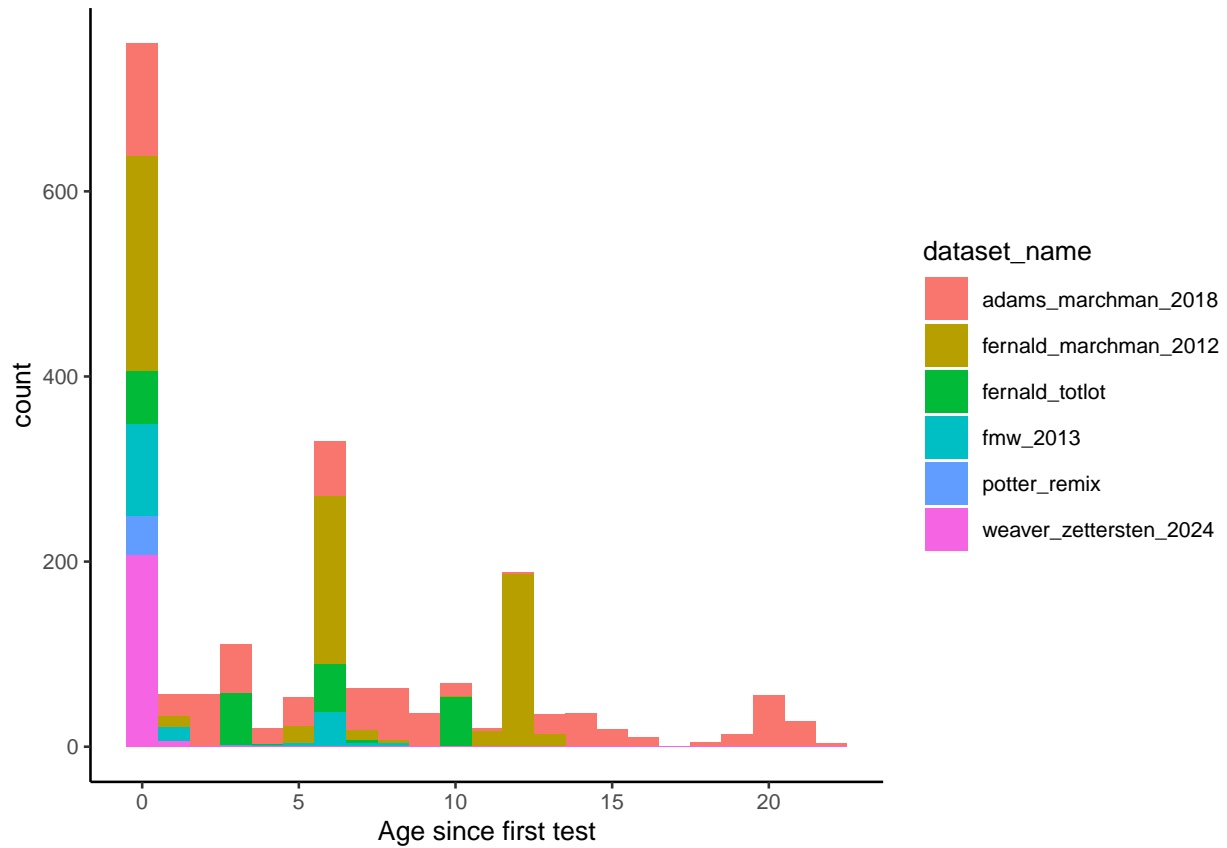


Figure 1: Number of administrations for datasets with repeated measurements.

Table 1:

	subject_id	age	log_age	rt	log_rt	long_window_accuracy	short_window_accu
subject_id	1.00	0.06	0.06	0.03	0.02	-0.03	0.01
age	0.06	1.00	0.98	-0.33	-0.34	0.44	0.38
log_age	0.06	0.98	1.00	-0.35	-0.36	0.48	0.43
rt	0.03	-0.33	-0.35	1.00	0.96	-0.48	-0.62
log_rt	0.02	-0.34	-0.36	0.96	1.00	-0.46	-0.61
long_window_accuracy	-0.03	0.44	0.48	-0.48	-0.46	1.00	0.82
short_window_accuracy	0.01	0.38	0.43	-0.62	-0.61	0.82	1.00
prod	0.09	0.72	0.70	-0.31	-0.33	0.51	0.45
comp	-0.26	0.42	0.42	-0.25	-0.24	0.24	0.24

Table 2:

nobs	sigma	logLik	AIC	BIC	REMLcrit	df.residual	model	r2
48354	0.28	-8,338.83	16,691.65	16,753.16	16,677.65	48347	lwa_lin	0.14
48354	0.28	-8,305.39	16,624.78	16,686.28	16,610.78	48347	lwa_log	0.12
50244	0.31	-12,486.60	24,987.21	25,048.98	24,973.21	50237	swa_lin	0.09
50244	0.31	-12,458.77	24,931.54	24,993.31	24,917.54	50237	swa_log	0.08

Table 3:

nobs	sigma	logLik	AIC	BIC	REMLcrit	df.residual	model	r2
18940	0.45	-12,414.69	24,843.38	24,898.32	24,829.38	18933	log_lin	0.21
18940	0.45	-12,393.27	24,800.53	24,855.48	24,786.53	18933	log_log	0.21
18940	570.49	-147,644.43	295,302.87	295,357.81	295,288.87	18933	lin_lin	0.18
18940	570.02	-147,622.67	295,259.34	295,314.29	295,245.34	18933	lin_log	0.18

Sensitivity Analysis for Longitudinal Models

THIS IS WRONG

% latex table generated in R 4.3.2 by xtable 1.8-4 package % Thu Mar 13 11:07:53 2025

	dataset_name	rt	acc
1	adams_marchman_2018	0.38	0.56
2	fernald_marchman_2012	0.47	0.54
3	fernald_totlot	0.41	0.16
4	fmw_2013	0.44	0.25
5	potter_remix	-0.16	0.32
6	weaver_zettersten_2024	0.25	0.41

Sensitivity analysis for age split point (e.g., split at 3 months)

Sensitivity analysis for measurement invariance (e.g., not constraining loadings)

Analyses using short window accuracy

Longitudinal factor analysis

Longitudinal factor analysis