

Range Checks

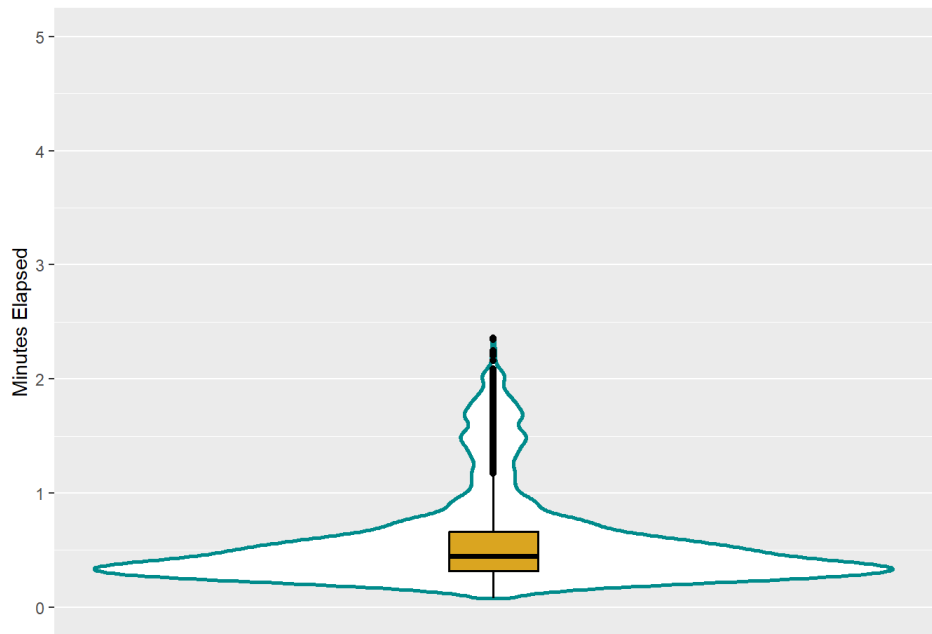
September 21, 2023

- 1 Check: Minutes elapsed between when brief survey was administered and when brief survey was completed
- 2 Check: Minutes elapsed between when brief survey was administered and when micro-randomization occurred
- 3 Check: Minutes elapsed between when brief survey was administered and when EMA was administered
- 4 Check: Minutes elapsed between when EMA was administered and when EMA was completed
- 5 Check: Minutes elapsed between when brief survey was completed and micro-randomization
- 6 Check: Minutes elapsed between when micro-randomization occurred and when EMA was completed
- 7 Checks: Empirical randomization probabilities

We used 99 participants and 4752 person-blocks to conduct checks described in this document. These 4752 person-blocks had 3860 micro-randomizations, i.e., participants were eligible for micro-randomization in about 81% of the 4752 person-blocks.

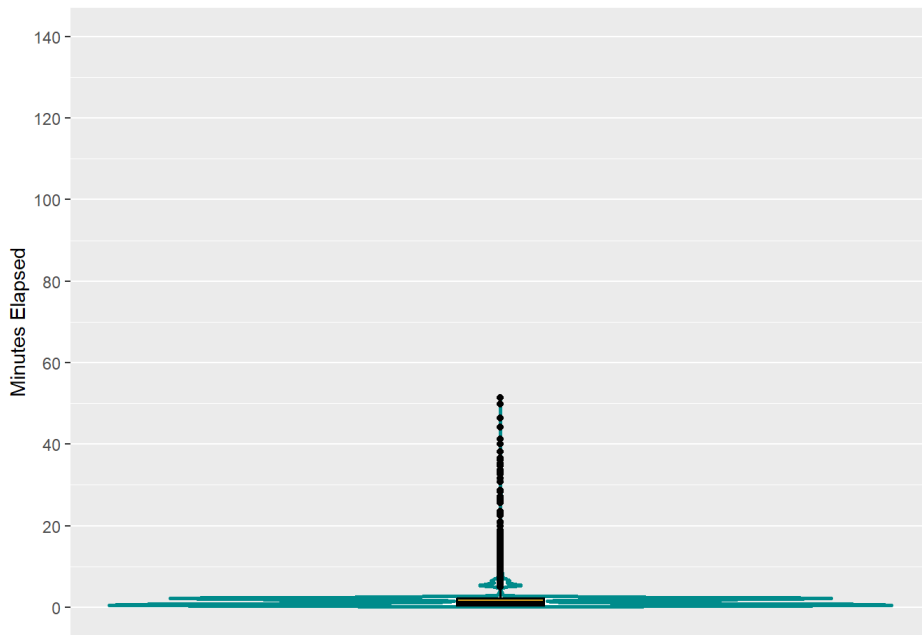
1 Check: Minutes elapsed between when brief survey was administered and when brief survey was completed

Percentiles of mins elapsed	
0%	0.079
25%	0.320
50%	0.446
75%	0.661
100%	2.359



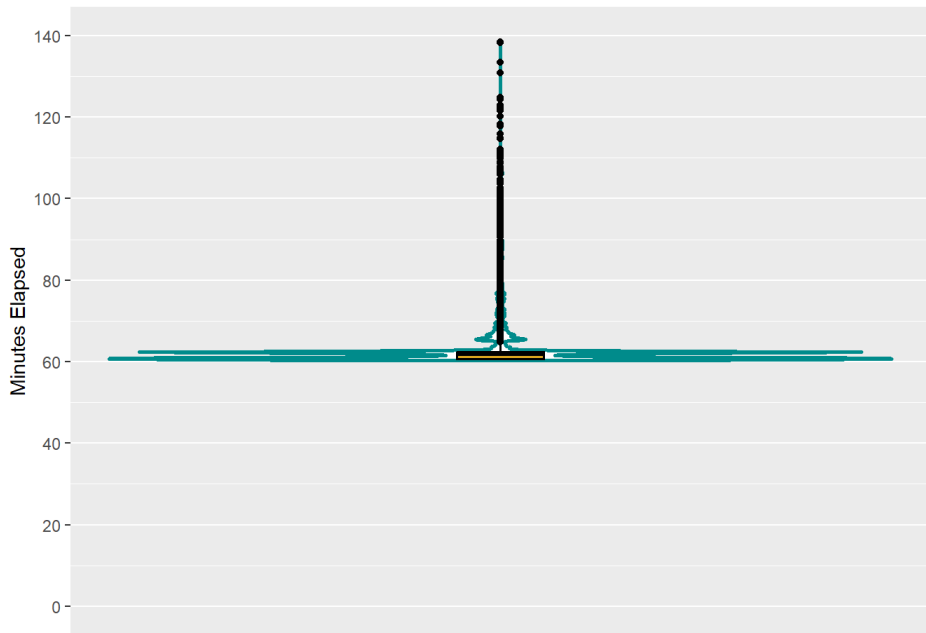
2 Check: Minutes elapsed between when brief survey was administered and when micro-randomization occurred

Percentiles of mins elapsed	
0%	0.154
25%	0.576
50%	1.038
75%	2.204
100%	51.315



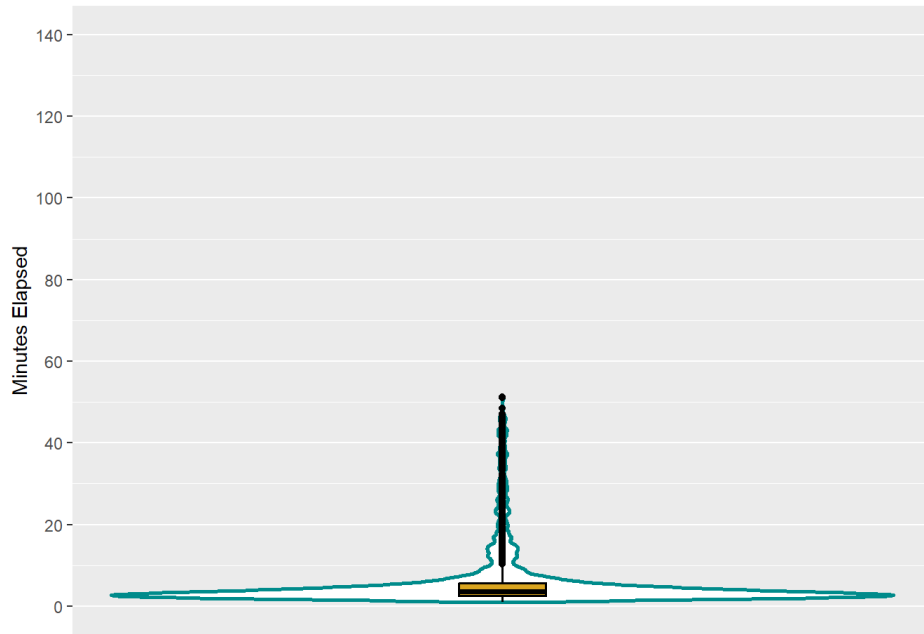
3 Check: Minutes elapsed between when brief survey was administered and when EMA was administered

Percentiles of mins elapsed	
0%	60.350
25%	60.754
50%	61.977
75%	62.369
100%	138.455



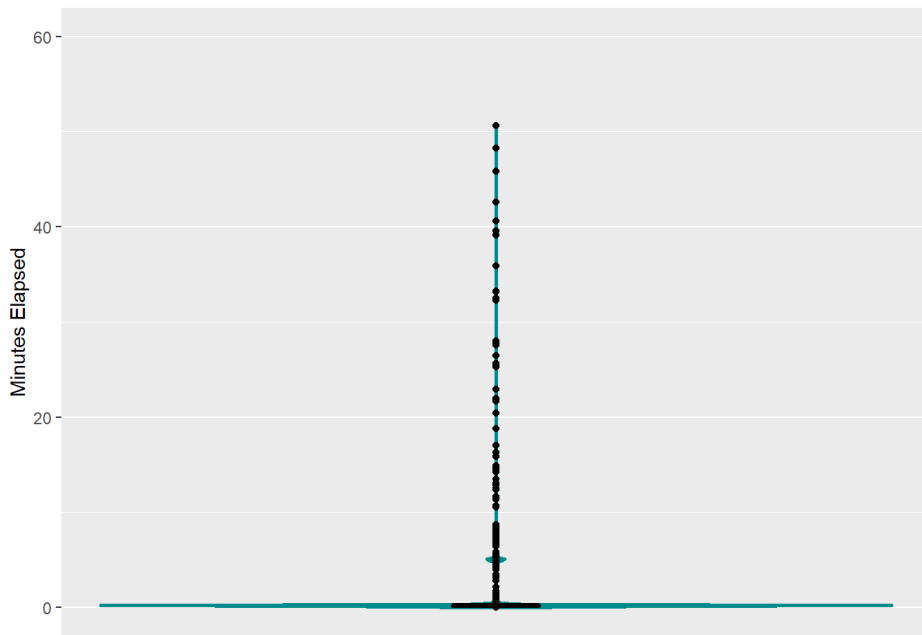
4 Check: Minutes elapsed between when EMA was administered and when EMA was completed

	Percentiles of mins elapsed
0%	0.972
25%	2.567
50%	3.536
75%	5.642
100%	51.283



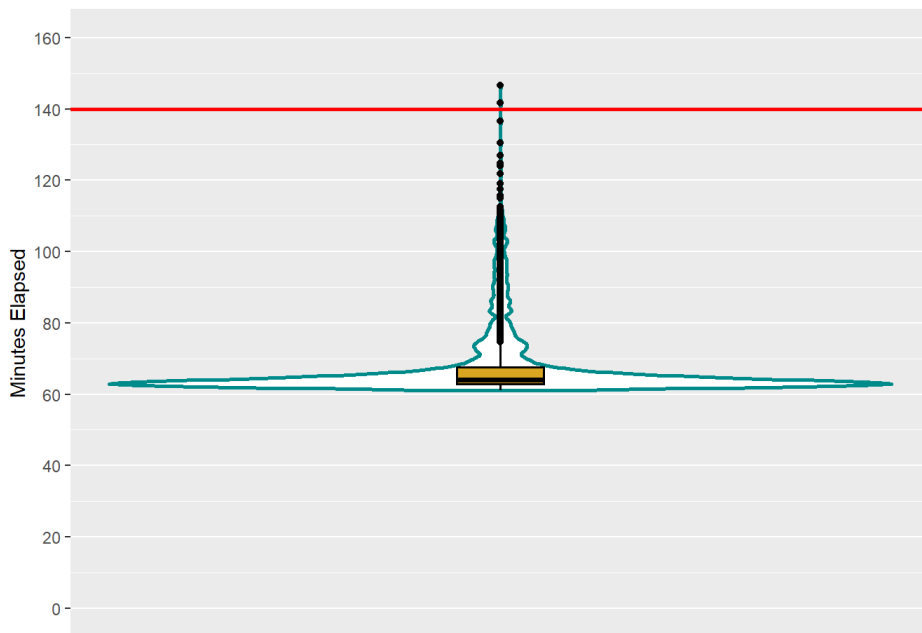
5 Check: Minutes elapsed between when brief survey was completed and micro-randomization

	Percentiles of mins elapsed
0%	0.011
25%	0.169
50%	0.179
75%	0.198
100%	50.636



6 Check: Minutes elapsed between when micro-randomization occurred and when EMA was completed

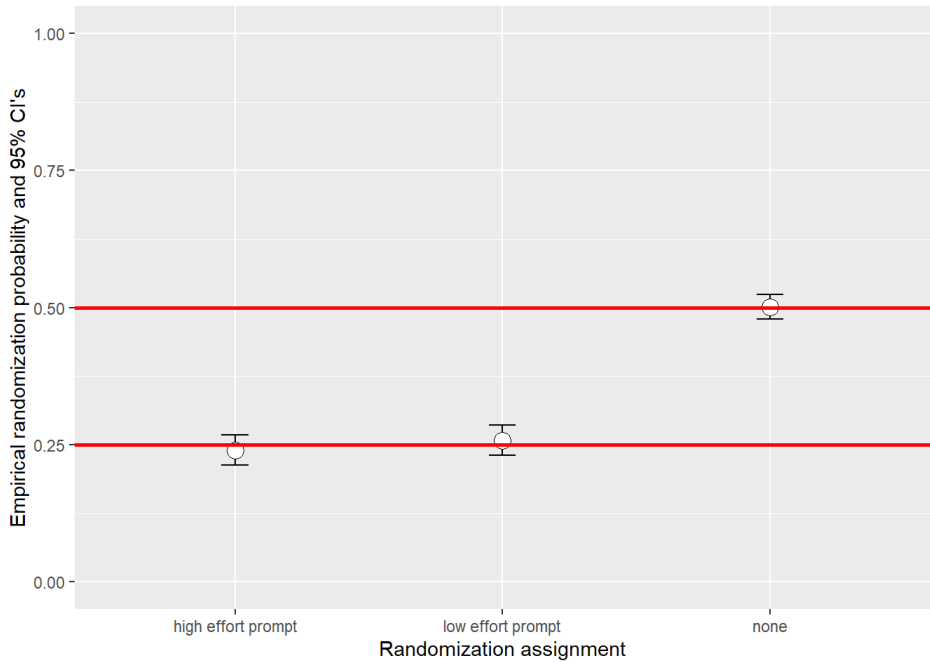
Percentiles of mins elapsed	
0%	61.114
25%	62.828
50%	64.060
75%	67.580
100%	162.585



7 Checks: Empirical randomization probabilities

treatment	count_randomizations	est_prob	LB95	UB95
none	1935	0.501	0.479	0.524

treatment	count_randomizations	est_prob	LB95	UB95
high effort	928	0.240	0.213	0.268
total	3860	1.000		



treatment	block	count_randomizations	est_prob	LB95	UB95
none	0	350	0.534	0.481	0.586
none	1	337	0.504	0.450	0.557
none	2	346	0.533	0.481	0.586
none	3	287	0.446	0.388	0.503
none	4	312	0.491	0.436	0.547
none	5	303	0.499	0.443	0.555
low effort	0	158	0.241	0.174	0.308
low effort	1	184	0.275	0.211	0.340
low effort	2	171	0.263	0.197	0.330
low effort	3	176	0.273	0.207	0.339
low effort	4	163	0.257	0.190	0.324
low effort	5	145	0.239	0.169	0.308
high effort	0	148	0.226	0.158	0.293
high effort	1	148	0.221	0.154	0.288
high effort	2	132	0.203	0.135	0.272
high effort	3	181	0.281	0.216	0.347
high effort	4	160	0.252	0.185	0.319
high effort	5	159	0.262	0.194	0.330
total	0	656	1.000		
total	1	669	1.000		
total	2	649	1.000		
total	3	644	1.000		
total	4	635	1.000		
total	5	607	1.000		

