

Process pre-election data

Read in data

Demographics and participant exclusion

Combine demographic info from Prolific and collected via survey

```
comp_q proportion correct: 0.9278481
```

```
# A tibble: 10 x 4
```

```
# Groups:   item, q [10]
```

	item q	a	prop_correct
	<dbl> <chr>	<chr>	<dbl>
1	1 Is holding a staff meeting the first thing the pres~	yes	0.965
2	2 Does the president hope that outstanding issues wil~	yes	0.905
3	3 Does the secret service only protect the president,~	no	0.963
4	4 Does the president take the Oath of Office in priva~	no	0.914
5	5 Did the president make any promises on the campaign~	yes	0.831
6	8 Will the president have access to the nuclear launc~	yes	0.96
7	9 Will the president be accountable for defending the~	yes	0.987
8	10 Will the president make use of the presidential mot~	no	0.766
9	11 Will the newly elected president receive a lot of a~	yes	0.988
10	12 Will the president be well-protected when traveling~	yes	1

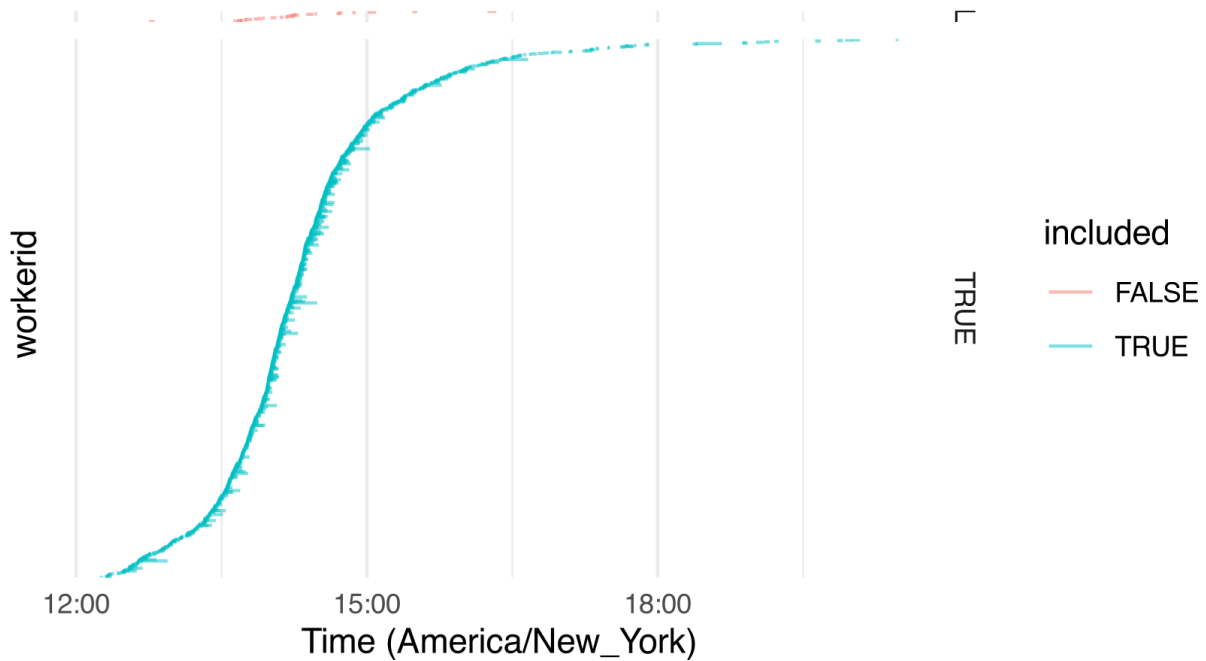
```
# A tibble: 3 x 2
```

	workerid	`paste(str_tail(prolific_id), collapse = ", ")`
	<dbl>	<chr>
1	1736	...eba783d1368047f3, ...c85dc40001621bc6
2	2483	...9a13f898ae374552, ...1e21c10001e9e8ee
3	2155	...79eda70001d5ae29, ...b16eb5011ccb2025

```
# A tibble: 3 x 2
  prolific_id      `paste(workerid, collapse = ", ")`
  <chr>          <chr>
1 ...bb9e0f0001acb414 2737, 2745
2 ...769a6ccb16f4a04d 1916, 1838
3 ...6cee07457d9c13dc 2362, 2371
```

Experiment Completion Timeline

Date start: October 31, 2024



```
# A tibble: 3 x 2
  `political_aff == `U.s. political affiliation``      n
  <lg1>                                <int>
1 FALSE                                131
2 TRUE                                1138
3 NA                                   10
```

```
# A tibble: 131 x 3
  workerid political_aff `U.s. political affiliation`
  <dbl> <chr>          <chr>
1    1876 Democrat      Republican
2    2348 Republican    Independent
3    2462 Republican    Independent
```

4	2948	Independent	Republican
5	1574	Independent	Democrat
6	1873	Republican	Independent
7	2339	Democrat	Independent
8	2452	None	Independent
9	2381	Independent	Democrat
10	1616	Independent	Democrat

i 121 more rows

```
# A tibble: 2 x 2
  `age == Age`      n
  <lgl>          <int>
1 FALSE             54
2 TRUE            1225
```

```
# A tibble: 54 x 3
  workerid age  Age
  <dbl> <chr> <chr>
1    2284 55    54
2    2915 59    57
3    1397 28    29
4    1617 59    60
5    2436 57    58
6    2414 40    41
7    1743 26    27
8    1966 62    61
9    2431 32    56
10   1843 34    35
# i 44 more rows
```

```
# A tibble: 3 x 2
  `gender == Sex`      n
  <lgl>          <int>
1 FALSE             34
2 TRUE            1239
3 NA                6
```

```
# A tibble: 34 x 3
  workerid gender      Sex
  <dbl> <chr>    <chr>
1    2644 Non-binary Female
```

```

2      1767 Other          Female
3      2736 Non-binary    Male
4      2298 Non-binary    Female
5      1946 Other          Female
6      1821 Non-binary    Female
7      1677 Non-binary    Male
8      2022 Male          Female
9      2160 Non-binary    Male
10     2740 Rather not say Male
# i 24 more rows

```

Linear mixed model fit by REML ['lmerMod']

Formula:

```

log(rt) ~ 1 + (scale(log(gmean_rt)) + scale(word_number) + scale(nchar) +
  is_first_in_sent + comma + period)^2 + (1 | item)

```

Data: spr

REML criterion at convergence: 16634.3

Scaled residuals:

Min	1Q	Median	3Q	Max
-9.5047	-0.4883	-0.0583	0.4012	14.8527

Random effects:

Groups	Name	Variance	Std.Dev.
item	(Intercept)	0.005776	0.076
Residual		0.119709	0.346

Number of obs: 22756, groups: item, 90

Fixed effects:

	Estimate	Std. Error	t value
(Intercept)	6.140438	0.008487	723.508
scale(log(gmean_rt))	0.379915	0.002725	139.415
scale(word_number)	-0.045897	0.002570	-17.857
scale(nchar)	0.032697	0.002514	13.005
is_first_in_sentTRUE	0.141114	0.017827	7.916
commaTRUE	0.057630	0.013693	4.209
periodTRUE	0.200650	0.010115	19.837
scale(log(gmean_rt)):scale(word_number)	-0.037679	0.002324	-16.210
scale(log(gmean_rt)):scale(nchar)	0.020776	0.002319	8.960
scale(log(gmean_rt)):is_first_in_sentTRUE	0.016791	0.010009	1.678
scale(log(gmean_rt)):commaTRUE	0.046594	0.012530	3.719

scale(log(gmean_rt)):periodTRUE	0.091295	0.009520	9.590
scale(word_number):scale(nchar)	0.002627	0.002527	1.039
scale(word_number):is_first_in_sentTRUE	-0.034335	0.011923	-2.880
scale(word_number):commaTRUE	0.017820	0.018656	0.955
scale(word_number):periodTRUE	0.076169	0.009231	8.251
scale(nchar):is_first_in_sentTRUE	-0.018889	0.028368	-0.666
scale(nchar):commaTRUE	-0.042921	0.014225	-3.017
scale(nchar):periodTRUE	-0.014353	0.011198	-1.282
is_first_in_sentTRUE:commaTRUE	0.170454	0.114571	1.488

fit warnings:

fixed-effect model matrix is rank deficient so dropping 2 columns / coefficients

Export