Process pre-election data

Contents

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(prolific_id, collapse = ", ")`
##      <dbl> <chr>
## 1     1736 67117200eba783d1368047f3, 5b121d05c85dc40001621bc6
## 2     2483 65ca9c729a13f898ae374552, 5b9095901e21c10001e9e8ee
## 3     2155 5d250fc479eda70001d5ae29, 65d306f8b16eb5011ccb2025
```

```
## # A tibble: 3 x 2
##   prolific_id              `paste(workerid, collapse = ", ")`
##   <chr>                    <chr>
## 1 58ae59babb9e0f0001acb414 2737, 2745
## 2 657b2d35769a6ccb16f4a04d 1916, 1838
## 3 6639047d6cee07457d9c13dc 2362, 2371
```

```
## # A tibble: 3 x 2
##   `political_aff == \`U.s. political affiliation\``     n
##   <lgl>                                             <int>
## 1 FALSE                                               131
```

```
## 2 TRUE                                                1138
## 3 NA                                                    10
```

```
## # A tibble: 131 x 4
##    workerid prolific_id              political_aff `U.s. political affiliation`
##       <dbl> <chr>                    <chr>         <chr>
##  1     1876 64395cbe6c8374ff09533b05 Democrat      Republican
##  2     2348 66c7f280d6cde03f250ffded Republican    Independent
##  3     2462 56494d5b6902220012c4acb7 Republican    Independent
##  4     2948 666ef42db3c7870346bfd90d Independent   Republican
##  5     1574 66f5b599fbee3f58bb2aa316 Independent   Democrat
##  6     1873 62b628e4351d179f1ff6cc59 Republican    Independent
##  7     2339 5ce1f31a27efac0018821eed Democrat      Independent
##  8     2452 6562177a48308eebbb6359ea None          Independent
##  9     2381 6701b91c8447e612baf93f1a Independent   Democrat
## 10     1616 6151517926ff8f856c7bc8d4 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 4
##    workerid prolific_id              age   Age
##       <dbl> <chr>                    <chr> <chr>
##  1     2284 66971362d0e54c6a97f6146e 55    54
##  2     2915 671acd4b14ebfd595a8b6c09 59    57
##  3     1397 5b8557d0bb0eb8000105a696 28    29
##  4     1617 5c3b70640eaa0100018ea877 59    60
##  5     2436 66cf3020b454346ee3518a72 57    58
##  6     2414 6633ce38def177f3db410a84 40    41
##  7     1743 6620d6cae03db8263ba0f4c0 26    27
##  8     1966 62e05a40c77214b0772d5596 62    61
##  9     2431 671aff72a0458bac35ecb987 32    56
## 10     1843 5a1efc2b517dfb00013dd370 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 4
##    workerid prolific_id              gender         Sex
##       <dbl> <chr>                    <chr>          <chr>
##  1     2644 664e2c02edf41c6338092b54 Non-binary     Female
##  2     1767 5ecf40ccb218ec372490e3ea Other          Female
##  3     2736 5e28f70500bb310cf3934256 Non-binary     Male
##  4     2298 6619a6b7ce5da964c6d15b4d Non-binary     Female
##  5     1946 64619b33f37b524af54113aa Other          Female
##  6     1821 6154973c69da7c97996a19f6 Non-binary     Female
##  7     1677 666760f729a54239383cf1e4 Non-binary     Male
```

```
##  8     2022 66afb72c946eadbf30ce5575 Male           Female
##  9     2160 5ba6a5a87c0ebe000126d650 Non-binary     Male
## 10     2740 6650ee988709a4266409c5f9 Rather not say Male
## # i 24 more rows
```

```
## Linear mixed model fit by REML ['lmerMod']
## Formula:
## log(rt) ~ 1 + (scale(log(gmean_rt)) + is_first_in_sent + scale(word_number) +
##     scale(nchar) + comma + period)^2 + (1 | item)
##    Data: spr_rts
##
## REML criterion at convergence: 6961.2
##
## Scaled residuals:
##     Min      1Q  Median      3Q     Max
## -4.0716 -0.5586 -0.0741  0.4421  8.8376
##
## Random effects:
##  Groups   Name        Variance Std.Dev.
##  item     (Intercept) 0.004564 0.06755
##  Residual             0.081293 0.28512
## Number of obs: 20099, groups:  item, 90
##
## Fixed effects:
##                                             Estimate Std. Error t value
## (Intercept)                                6.1683224  0.0075306 819.098
## scale(log(gmean_rt))                       0.3340354  0.0023639 141.309
## is_first_in_sentTRUE                       0.1526134  0.0146754  10.399
## scale(word_number)                        -0.0417590  0.0021964 -19.012
## scale(nchar)                               0.0317575  0.0021902  14.500
## commaTRUE                                  0.0440982  0.0118007   3.737
## periodTRUE                                 0.1140620  0.0104777  10.886
## scale(log(gmean_rt)):is_first_in_sentTRUE -0.0111790  0.0084928  -1.316
## scale(log(gmean_rt)):scale(word_number)   -0.0225167  0.0020406 -11.034
## scale(log(gmean_rt)):scale(nchar)          0.0092336  0.0020513   4.501
## scale(log(gmean_rt)):commaTRUE             0.0205341  0.0105304   1.950
## scale(log(gmean_rt)):periodTRUE            0.0966888  0.0097749   9.892
## is_first_in_sentTRUE:scale(word_number)   -0.0167220  0.0096488  -1.733
## is_first_in_sentTRUE:scale(nchar)          0.0003207  0.0238345   0.013
## is_first_in_sentTRUE:commaTRUE             0.0799770  0.0969304   0.825
## scale(word_number):scale(nchar)           -0.0005228  0.0022026  -0.237
## scale(word_number):commaTRUE               0.0129924  0.0150874   0.861
## scale(word_number):periodTRUE             -0.1097971  0.0151296  -7.257
## scale(nchar):commaTRUE                    -0.0408572  0.0120817  -3.382
## scale(nchar):periodTRUE                   -0.0300309  0.0131858  -2.278
## fit warnings:
## fixed-effect model matrix is rank deficient so dropping 2 columns / coefficients
```

Export