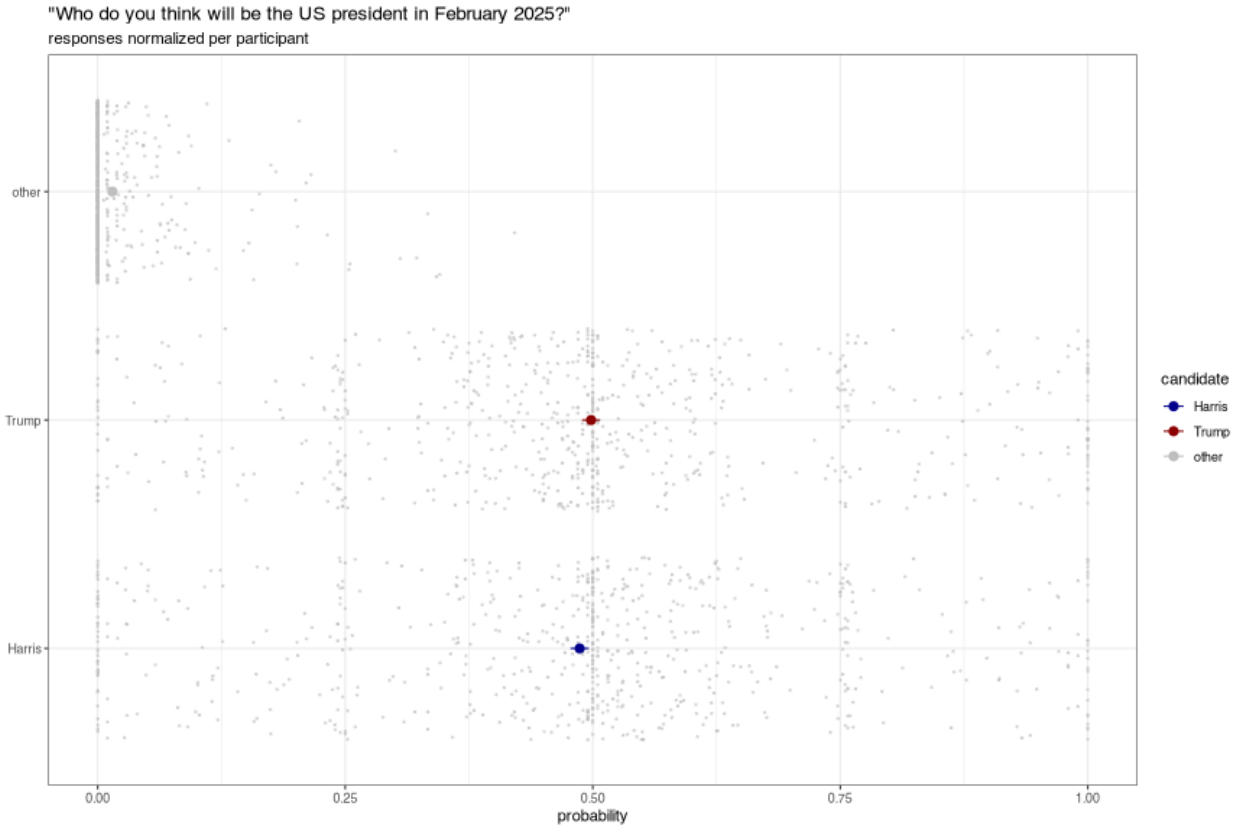
Pre-election data EDA

Contents

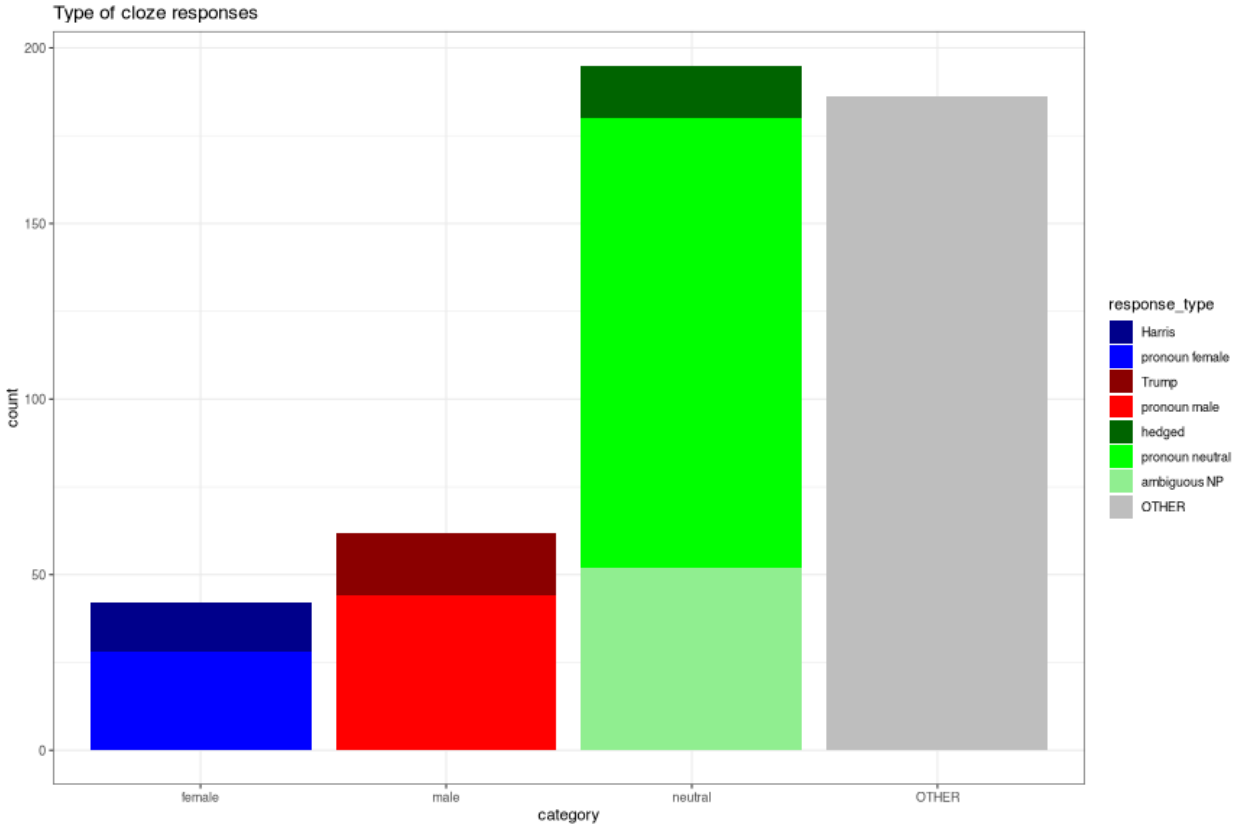
Exploratory data analysis plotting

Expectations

Check that we got a rough balance in event probability responses for the two candidates (given the uncertainty in polling and prediction markets, we should expect respondents to reflect this).



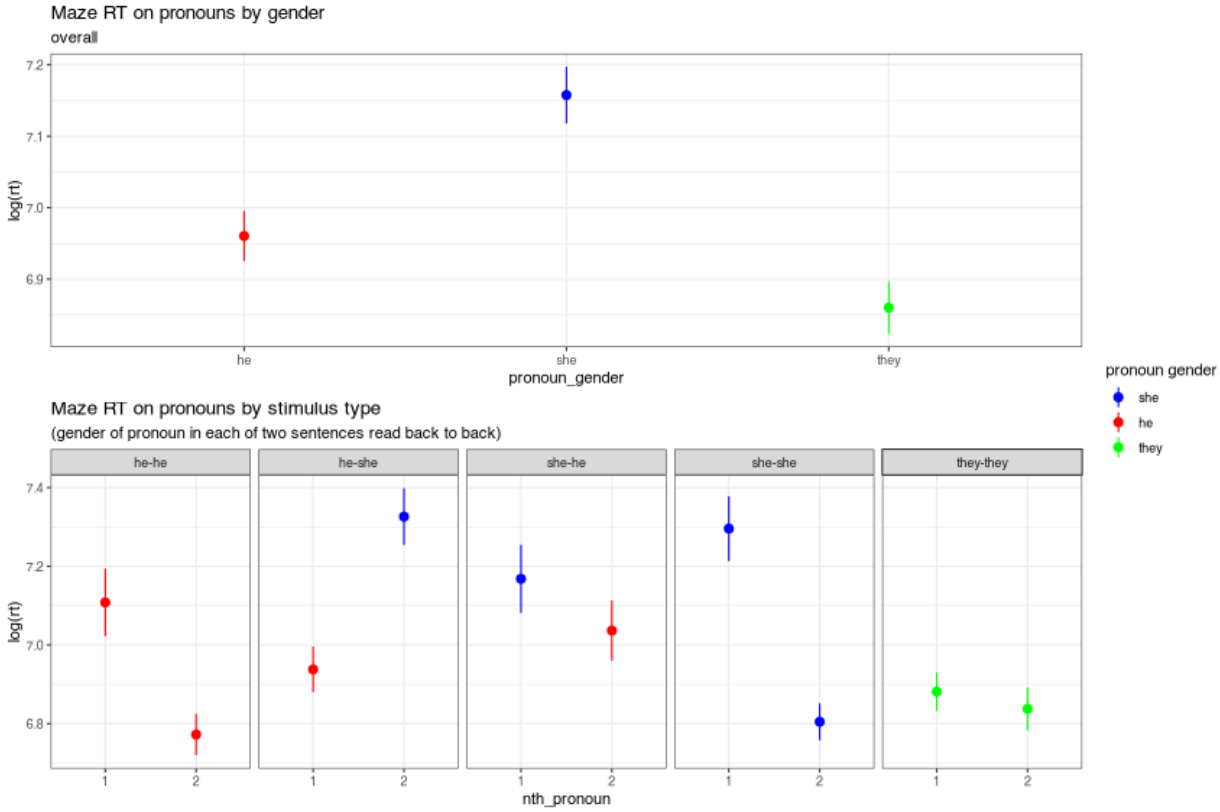
Cloze


Type of cloze responses
count
category
female
male
neutral
OTHER
response_type
Harris
pronoun female
Trump
pronoun male
hedged
pronoun neutral
ambiguous NP
OTHER

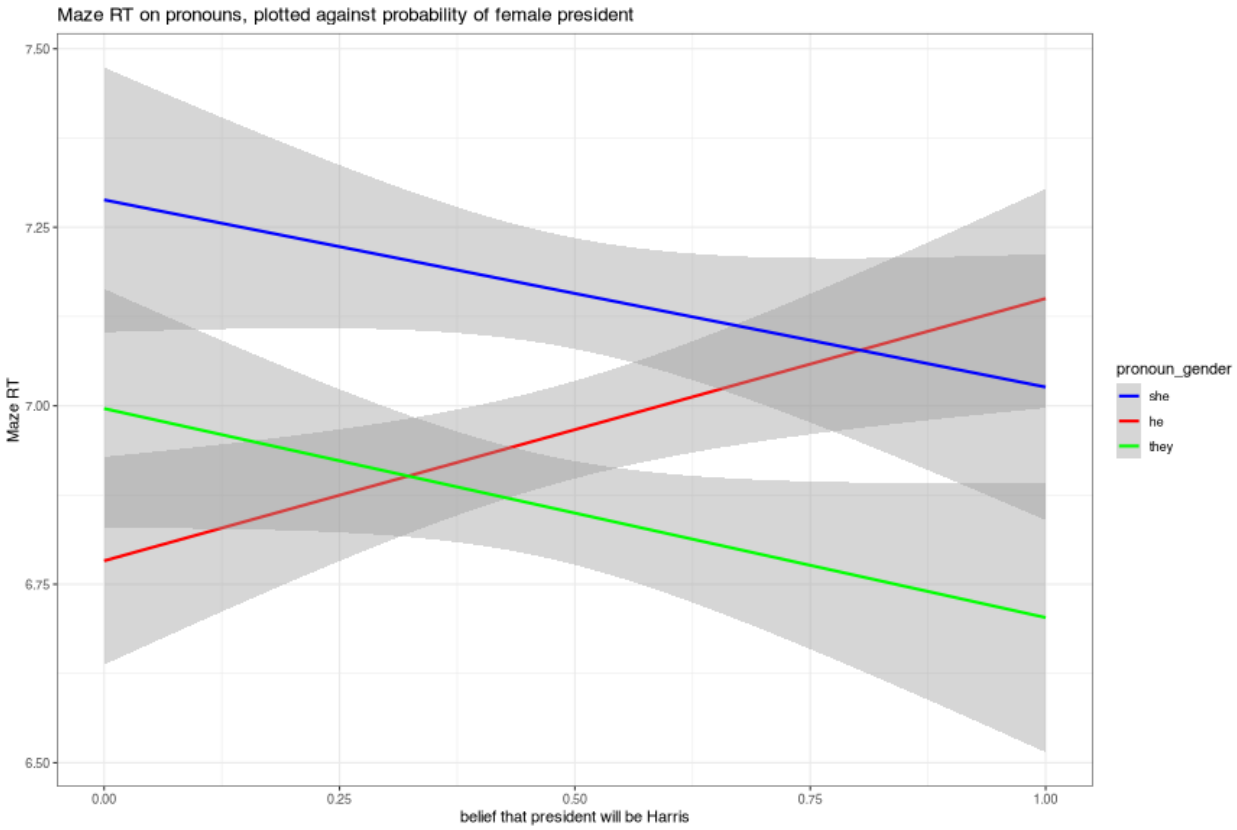

Type of cloze responses, by item
response_type
01: After moving into the Oval Office, one o f the first things that
02: During the inauguration speech, the pres ident will emphasize
03: Even before Inauguration Day, the Secret Service will protect the president and
04: The entire world will be watching the pr esident when
05: Unfortunately, there is no guarantee tha t the president will deliver on the prom ises that
08: As commander in chief,
09: The newly elected president will face ma ny challenges, and one of
10: The president's motorcade will be
11: Once the general election is over, the p resident will be followed by the press w herever
12: Air Force One, the aircraft that will tr ansport the president, is well-equipped to guarantee
count
category
female
male
neutral
OTHER

Maze

Look at average Maze RT by gender of pronoun, and for each condition of two sentences presented. Shows an effect of gender (male pronoun is read faster than female, neutral is perhaps even faster than male). These Maze RTs are not residualized. But could be for slightly smaller std error probably.



We can also look at the effect of event probability (who the participant thinks will be president) on pronoun RT

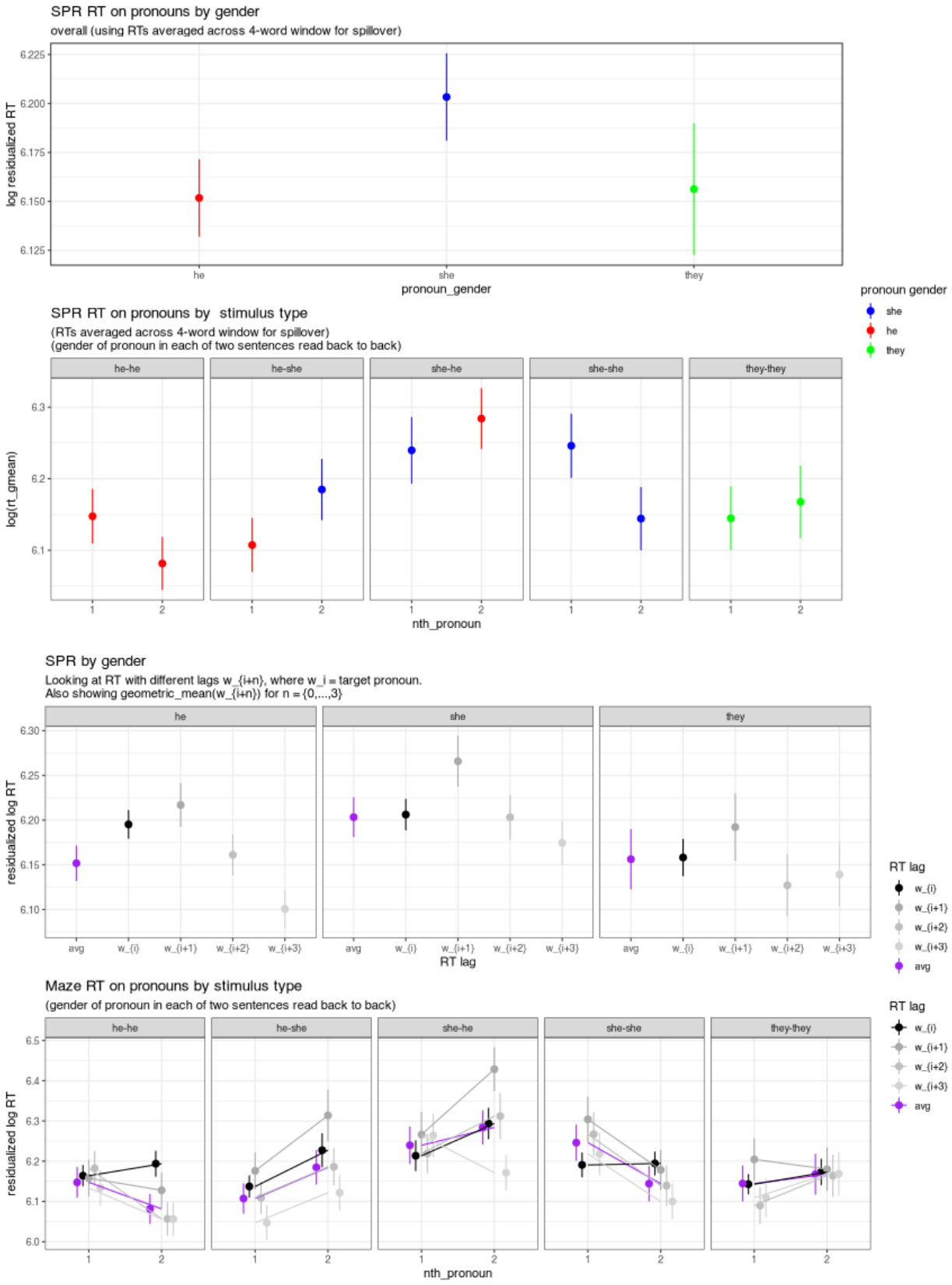


bias

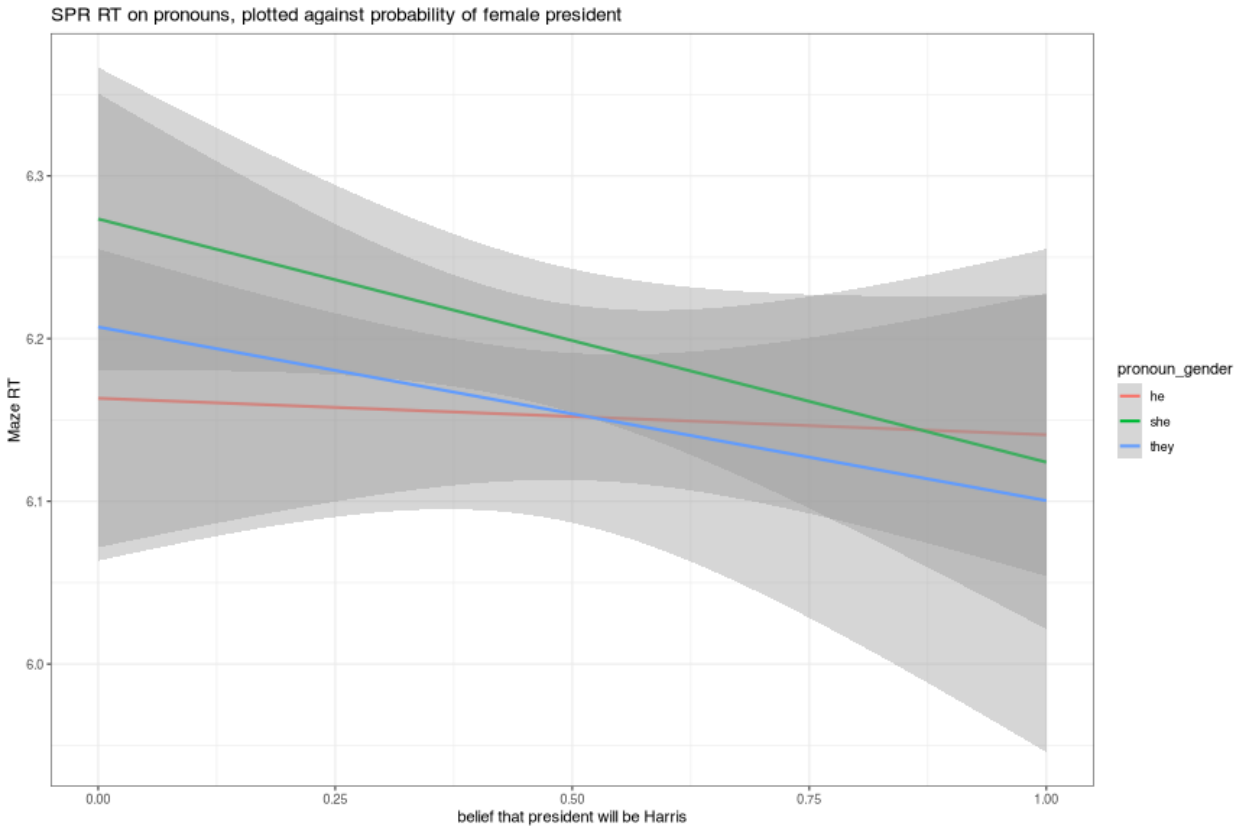
SPR

Likewise look at average SPR RT by gender of pronoun, and for each condition of two sentences presented. These RTs are residualized. Results look similar to Maze RTs, but are less pronounced/lower power.

Still, I think high enough power that we don't need to run further trials.



We could also try to look at the effect of event belief, but this is too low power with SPR:



Yet given that we can see it plausibly in the Maze data, we don't necessarily need this.