1. Non-probability sampling phone survey

b) I have made 200 phone calls, 0 people responded and 200 didn't (including those answered the call but refused the survey). The response rate is 0.

c) No one responded.

d) I called at about 12 am for the first 100 phone numbers and 4 pm for the rest numbers. There were a lot of cases that the number was valid but no one answered, I thought that might because people were at work when I called them. So the time might contribute a lot to the low response rate.

e) I got no responses so I didn't have any data to compare. But I think the respondents might differ from voters because of the call time and small sample. Since the response suggests the respondent is free at that time, if the call is made between 9 am to 5pm, the respondents may be more likely to be old people. On the other hand, if the sample size is small, it's less representative so that the characteristic of sample can be different to that of population.

f) I got no data to analyze. I planned to change some expressions to try to avoid offend people, like I started with "Did you vote in 2016" rather than "Are you 18 years old or older" and thus the 2nd question was "who did you vote". So I think in my survey there was no bias related to order. But if I said the exact candidate, it might affect people's willingness to show me their true choice because they might think I have some preference for some candidate. To test the bias, if I have a lot of respondents, I may randomly mention Trump first or Clinton first and compare the answers of those respondents having similar characteristics but hearing different questions to find out whether the order really matters.