

Assignment 4 Phone Survey

- a) Response Submitted.
- b) 56 numbers were valid (I checked by running a python script) and I called only those. Out of these only 1 picked up, was above 18, and allowed me to ask the question. Most people would not pick up, or it would go to voice mail, or they would cut the call after I begin talking, which means 199 were negative responses. Response rate is $1 / 200$, or 0.5%. On a side note, 2 of them were High Schools students who didn't mind talking (one even said he wanted to talk about politics!). They are obviously not included as a response because they are younger than 18. The fraction of those who responded with age is 100%, and with voting is 100%, as only one person responded and answered both questions.
- c) The time at my area code, LA, California, was between 9 am and 10 am.
- d) Median Age of LA is 34.6, median age of my responses was 24. Since the demography of those owning phones is not representative of the actual population of LA, the values are different. Our value would be closer to the median age of those who own phones - but another huge factor is I only got 1 response. With such a small sample size it seems ridiculous to expect anything close to the real median age!
- e) 100 per cent voted for Trump. 0 per cent voted for Clinton. Actual voting percentages were 46.1% for Trump and 48.2% for Clinton. We might have got values more similar to the actual percentages if more people picked up, but with only 1 response this does not make sense.
One can test how the order of the candidates or categories effects the question by conducting the same experiment in different orders of categories/candidates for equal subsets of our sample from the distribution and test if participants answered in a certain way based on the order of the question asked. Ideally we would need more numbers to call to attempt this experiment.