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Part A Probability Write-Up

STA 380

Professor Dpuelz

### Part A Probability Write-Up

To identify what fraction of people are truthful clickers, I used the rule of total probability. An event can happen in many different ways, so the total probability of an event occurring sums all these possibilities. Within this problem, 30% of the clicks were random and the other 70% were truthful clicks. Given that 65% of the total survey results were yes, I found that the fraction of truthful clickers who said yes was 0.714 or 71.4%. I found this number by setting up an equation utilizing all the information given and the rule of total probability.