

Total Sample Size: 72,613

Control Sample Size: 36,307
Treatment Sample Size: 36,306
Split: 50:50

Control Conversion Rate: 15%

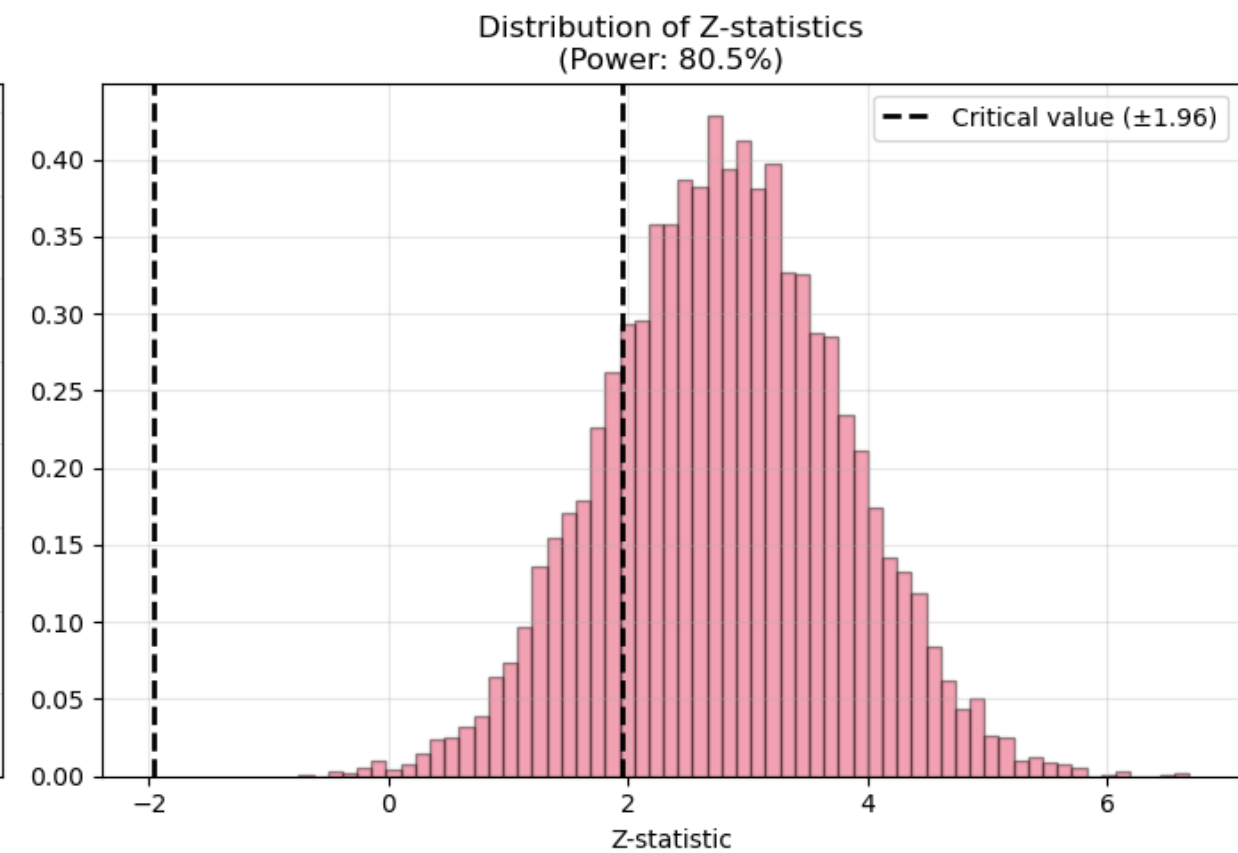
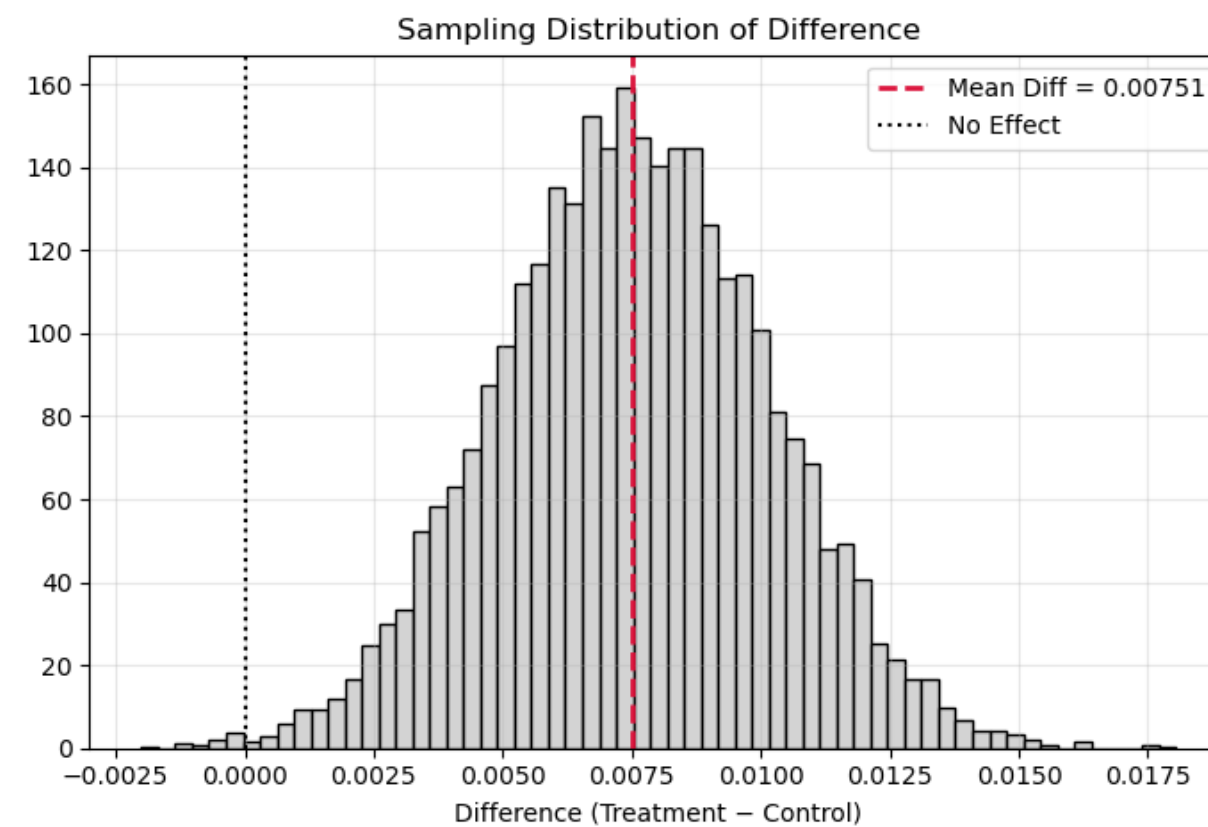
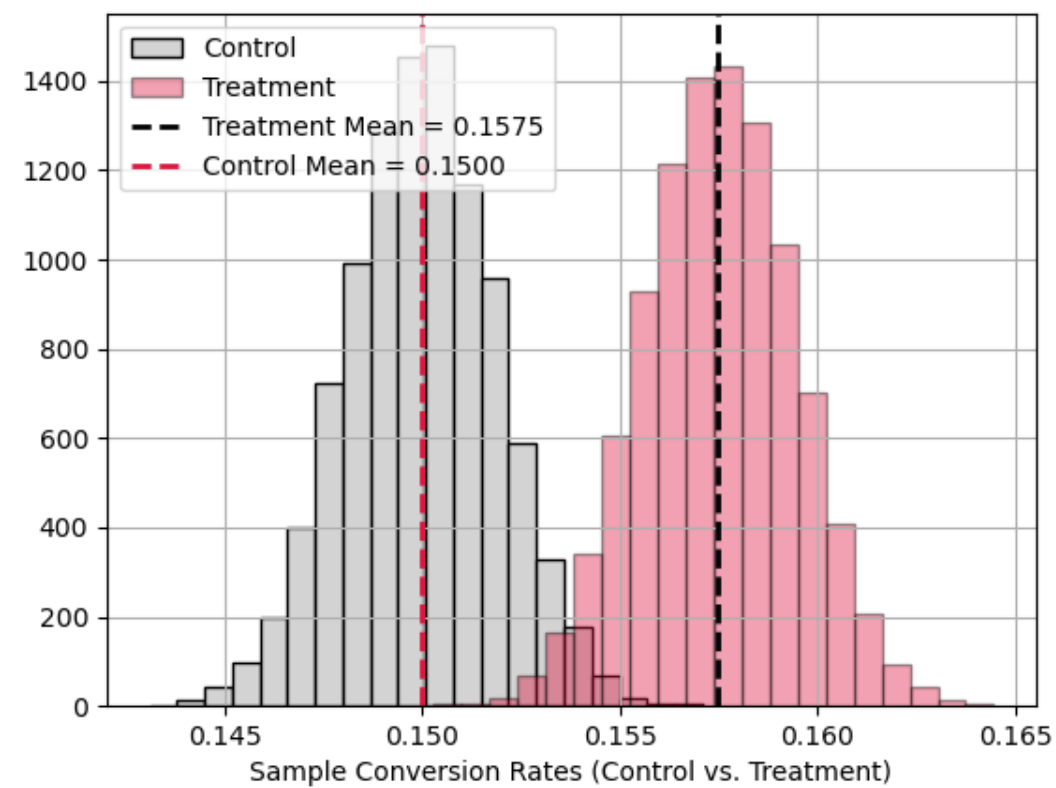
Relative Lift: 5%

Absolute Lift: $15\% \times 5\% = 0.75\%$

Alpha: 5%

Power: 80%

Two-Tailed Z Test



Monte Carlo simulation to estimate **sampling distribution** of conversion rates

