

# STAT1301 Assignment 4

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October 11, 2025

# 1 Question 4

## 1.1 Part a)

Let  $X$  be the random variable for the number of people who completed the self-sampling for cervical cancer screening from the direct mail outreach. Let  $Y$  be the random variable for the number of people who completed screening after the education only outreach.

Therefore  $\hat{x} = \frac{505}{1415} \approx 0.3569$  and  $\hat{y} = \frac{264}{1408} \approx 0.1875$  which are the sample proportions for  $X$  and  $Y$  respectively.