Solutions

Each answer shows the steps, then the **result**.

2.1

- $H_0 : p_1 = p_2$

2.2

- H_0 assumes the proportions are equal, so both samples estimate the same common value

2.3

- $\hat{p}_c = \dfrac{x_1 + x_2}{n_1 + n_2}$

3.1 B

3.2 B

3.3

(a)

- 0.30

(b)

- 0.20

(c)

- $\hat{p}_c = \dfrac{30 + 20}{100 + 100} = 0.25$