

Assignment-2

A company totally has 100k employees. It needs to order T-shirts for them. The HR categories the size of T-shirts into L and XL. Then the HR appends a Data Analyst to find the total number of L and XL required. The Data Analyst asks for sample and gets 300 XL and 200 L. Now we need to find it for 100k?

Sample given totals 500

No of XL T-shirts in Sample 300

No of L T-shirts in Sample 200

Finding the Percentage

$$\frac{300}{500} = \frac{3}{5} = 0.6 = 60\% \text{ for XL}$$

$$\frac{200}{500} = \frac{2}{5} = 0.4 = 40\% \text{ for L}$$

Applying the Percentage for total employees

$$XL = \frac{60}{100} \times 100000$$

$$= 60000$$

$$L = \frac{40}{100} \times 100000$$

$$L = 40000$$