

Answer on Question #44724 - Math - Statistics and Probability

Use a pie chart to show the following categorical distribution.

- a. People's Reform Party (1,800)
- b. Nationalist People's Coalition (2,700)
- c. Laban ng Demokratikong Pilipino (1,000)
- d. Asenso Pilipino Party (4,500)

Relative frequency

0.18

0.27

0.1

0.45

Pf

18

27

10

45

Solution:

Relative frequency was calculated as follows:

a. $1800 / (1800 + 2700 + 1000 + 4500) = 1800 / 10000 = 0.18$

b. $2700 / (1800 + 2700 + 1000 + 4500) = 2700 / 10000 = 0.27$

c. $1000 / (1800 + 2700 + 1000 + 4500) = 1000 / 10000 = 0.1$

d. $4500 / (1800 + 2700 + 1000 + 4500) = 4500 / 10000 = 0.45$

Relative frequency was used to create a pie chart:

