Which category below indicates your age?

1. 20 – 30 32.7%
2. 31 – 40 40.8%
3. 41 – 50 18.4%
4. 50+ 8.2%

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Event | Prior Probability  P(Ci) | Conditional Probability  P(B|Ci) | Joint Probability  P(Ai and B) | Posterior Probability  P(Ai|B) |
| 21-30 | .33 | .16 | 0.0528 | 0.0528/0.1551 = 0.35 |
| 31-40 | .41 | .20 | 0.082 | 0.082/0.1551 = 0.52 |
| 41-50 | .19 | .09 | 0.0171 | 0.0171/0.1551 =0.11 |
| 50+ | .08 | .04 | 0.0032 | 0.0032/0.1551 =0.02 |
|  |  |  | P(B) = 0.1551 | = 1.00 |

This is what I I need to do my part on.

Question 4: Income Level

Response Percentage

20000> 5 10.2%

20,001-40,000 6 12.2%

41,000-60,000 14 28.6%

61,000-80,000 13 26.5%

80,000< 11 22.4%

And this was Question 8: Would knowing that Ford refused government taxpayer bailout funds influence your decision to purchase a Ford over your current brand?

Responses Percentage

Yes 22 44.9%

No 27 55.1%