

Question #13

Key: B

There are 430 observations. The expected counts are $430(.2744) = 117.99$, $430(.3512) = 151.02$, $430(.3744) = 160.99$. The test statistic is

$$\frac{(112 - 117.99)^2}{117.99} + \frac{(180 - 151.02)^2}{151.02} + \frac{(138 - 160.99)^2}{160.99} = 9.15.$$