Feedback — Quiz: Week Six

Help Center

You submitted this quiz on **Fri 19 Jun 2015 11:41 AM PDT**. You got a score of **6.00** out of **6.00**.

Question 1

Complete the following statement

The objective of stratified analysis of the contingency table is to...

Your Answer		Score	Explanation
○ determine whether or not the variables are independent.			
◉ check whether the odds ratio are constant over the strata.	✔	1.00	Great job! Stratified analysis of the contingency table is done in order to deal with the issues of confounding and interaction. Determining whether or not the odds ratios are homogeneous throughout is of utmost importance.
○ Both of the above are correct.			
Total		1.00 / 1.00	

Question 2

Consider whether the following statement is true or false:

Logistic regression can be used to deal with the issues of confounding interaction.

(please answer True or False below)

Your Answer		Score	Explanation
True	✔	1.00	Good job! Stratification over a large number of variables is computationally tedious and visually challenging as well. Logistic regression has many advantages over traditional epidemiological techniques when it comes to handling confounding and interaction.
False			
Total		1.00 / 1.00	

Question 3

Consider whether the following statement is true or false:

While conducting the stratified analysis, the assumption is that the odds ratio varies across the strata.

(please answer True or False below)

Your Answer		Score	Explanation
True			
False	✔	1.00	Nice work! The assumption involved in the analysis is that the odds ratio is constant over the strata.
Total		1.00 / 1.00	

Question 4

Complete the following statement

If there are 8 strata then the degrees of freedom for the Mantel Haenszel test statistic is...

Your Answer		Score	Explanation
7	✔	1.00	Yes, this is correct! The degrees of freedom for the test statistic under the null hypothesis is the number of strata – 1. In our case, the number of strata = 8. Therefore, degrees of freedom = 8-1 = 7.
8			
9			
10			
Total		1.00 / 1.00	

Question 5

Complete the following statement

If the p-value of the Mantel Haenszel test is 0.002, you would...

Your Answer		Score	Explanation
reject the null hypothesis that the odds ratios vary over the strata.			
not reject the null hypothesis that the odds ratios vary over the strata.			
not reject the null hypothesis that the odds ratios are constant over the strata.			
reject the null hypothesis that the odds ratios are constant over the strata.	✔	1.00	Great job! We know that the null hypothesis of the Mantel Haenszel test is that the odds ratios

		are constant over the strata. As the p-value is less than 0.05, we reject the null hypothesis.
Total		1.00 / 1.00

Question 6

Answer the following question.

Can we compute the Mantel Haenszel estimator even when one of the cell entries is zero?

Your Answer		Score	Explanation
Yes	✔	1.00	Yes, this is correct! The Mantle Haenszel estimator is the weighted average of the stratum specific odds ratio. Hence, it does not matter if one of the cell entries is zero.
No			
Total		1.00 / 1.00	