Time left 1:29:54

Question 1

Not yet answered

Marked out of 1.00

We are given the following hypothesis: H_0: p = 0.6; H_a: p≠ 0.6. The sample size is 5000. What will be the standard error (SE)?

- a. 0.006928
- b. 0.01
- c. 0.4

Question 2

Not yet answered

Marked out of 1.00

For a given For a given $\hat{p}$= 162/195 where n =195 compute the standard error (SE)= 162/195 where n =195, compute the standard error (SE).

- a. 0.02685
- b. 0.000721
- c. 0.83077

Question 3

Not yet answered

Marked out of 1.00

Given the two ways table below, compute the chi-square statistics (X^2):

	Col 1	Col 2	Total
Row1	**200**	**300**	**500**
Row2	**30**	**50**	**80**
Total	**230**	**350**	**580**

- a. 1.1801
- b. 20.1801
- c. 308
- d. 0.1801

Question 4

Not yet answered

Marked out of 1.00

Which confidence level will yield the higher margin of error?

- a. 75% confidence level
- b. 85% confidence level
- c. 95% confidence level.

Question 5

Not yet answered

Marked out of 1.00

Given the two ways table below, compute $E_{\text{row 2,col 1}}$

	Col 1	Col 2	Total
Row1	200	300	500
Row2	30	50	80
Total	230	350	**580**

- a. 198.28
- b. 301.72
- c. 31.72
- d. 48.28

Question 6

Not yet answered

Marked out of 1.00

For a given $\hat{p}$ = 162/195 where n =195 and for a 95% confidence level (where z*=1.96) find the confidence interval.

- a. (0.778, 0.83077)
- b. (0.02685, 0.883)
- c. (0.778, 0.883)

Question 7

Not yet answered

Marked out of 1.00

Given the two ways table below, compute the degree of freedom:

	Col 1	Col 2	Total
Row1	200	300	500
Row2	30	50	80
Total	230	350	**580**

- a. 0
- b. 1
- c. 2
- d. 0.801

Question 8

Not yet answered

Marked out of 1.00

Given the two ways table below, compute $E_{\text{row 1,col 2}}$

	Col 1	Col 2	Total
Row1	200	300	500
Row2	30	50	80
Total	230	350	**580**

- a. 198.28
- b. 301.72
- c. 31.72
- d. 48.28

Question 9

Not yet answered

Marked out of 1.00

The result of an analysis yields a X^2 of 11.47 with p-value of 0.003. The H_0 with a 5% significance level will be rejected.

Select one:

- True
- False

Question 10

Not yet answered

Marked out of 1.00

Given the two ways table below, compute $E_{row\ 2,col\ 2}$

	Col 1	Col 2	Total
Row1	200	300	500
Row2	30	50	80
Total	230	350	**580**

- a. 198.28
- b. 301.72
- c. 31.72
- d. 48.28

Question 11

Not yet answered

Marked out of 1.00

Suppose we wanted the margin of error for the 95% confidence level (where z^*=1.96) to be 2% for a given $\hat{p}$ of 0.60. How large should the sample size be approximately to achieve that margin of error?

- a. 2305
- b. 1330
- c. 5305

Question 12

Not yet answered

Marked out of 1.00

We are given the following hypothesis: H_0: p = 0.6; H_a: p≠ 0.6. The sample size is 5000. For what sample proportion would the p-value be equal to 0.01 using Z = -2.58.

- a. $\hat{p} = 0.42$
- b. $\hat{p} = 0.58$
- c. $\hat{p} = 0.77$

Question 13

Not yet answered

Marked out of 1.00

The table below provide the observed counts (O) and the expected counts (E) of an experiment.

Calculate the degree of freedom:

observed counts (O)	Expected counts (E)
4	20
16	63
67	169
345	174

- a. 15
- b. 7
- c. 3

Question 14

Not yet answered

Marked out of 1.00

We are given the following hypothesis: H_0: p = 0.6; H_a: p≠ 0.6. The sample size is 5000. For what sample proportion would the p-value be equal to 0.01 using Z = 2.58.

- a. $\hat{p} = 0.62$
- b. $\hat{p} = 0.58$
- c. $\hat{p} = 0.42$

Question 15

Not yet answered

Marked out of 1.00

What is not a correct step to carry out a confidence interval procedure?

- a. identify
- b. choose
- c. check
- d. calculate
- e. conclude
- f. brainstorm