Take Test: Module 2 Week 4 gretl Assignment

Test Information

Description

This week's gretl assignment focuses on hypothesis testing. You'll need the Maternal and Infant Survey 2002 dataset as well as the Word document of questions. If you have any questions, be sure to ask!

Module 2 Week 2, gretl 4 ANA 500.docx

Maternal and infant health survey 2002(1).gdt

Instructions

This week's gretl assignment has fewer questions but takes more work to complete and answer each question. Take your time and consult your lecture pdf files as well as the software presentation for this week. If you have any questions - ask!

Multiple Attempts

This test allows 2 attempts. This is attempt number 1.

Force Completion

This test can be saved and resumed later.

Your answers are saved automatically.

Question Completion Status:

QUESTION 1

Test the hypothesis that the mean birthweight is different from 7 lbs. The computed P-value (two-tailed) is _____ . Enter your answer rounded to two decimal places.

8 points Save Answer

QUESTION 2

Based on the computed P-value, we _____ the null hypothesis. Enter your answer as either "reject" or "fail to reject" in all lower case letters.

8 points Save Answer

QUESTION 3

Test the hypothesis that the mean birthweight is less than 6.5 lbs. The computed P-value (two-tailed) is _____. Enter your answer rounded to two decimal places.

8 points Save Answer

QUESTION 4

Based on the computed P-value, we _____ the null hypothesis. Enter your answer as either "reject" or "fail to reject" in all lower case letters without the quotation marks.

8 points Save Answer

QUESTION 5

Test the hypothesis that the proportion of female babies is different from 0.50. The computed P-value is _____. Enter your answer rounded to two decimal places.

8 points Save Answer

QUESTION 6

Based on the computed P-Value, we _____ the null hypothesis. Enter either "reject" or "fail to reject" in all lower case letters without the quotation marks.

8 points Save Answer

QUESTION 7

Create a new variable named “smoke” that equals 0 if the mother did not smoke any cigarettes during pregnancy and equals 1 if the mother smoked at least one cigarette during pregnancy. Test the hypothesis that mean birthweight differs between smokers and non-smokers. The computed P-value is _____. Enter your answer rounded to four decimal places.

8 points Save Answer

QUESTION 8

Based on the computed P-value, we _____ the null hypothesis. Enter your answer as either 'reject" or "fail to reject" in all lower case letters without the quotation marks.

8 points Save Answer

QUESTION 9

Test the hypothesis that the variables “gender” and “induced” are related (i.e. not independent). The computed P-value is _____. Enter your answer rounded to two decimal places.

HINT: The way you setup and conduct this hypothesis test is different! If you are not sure, go back and review your lecture pdf files and your Software Presentation for this week!

10 points Save Answer

QUESTION 10

Based on the computed P-value, we _____ the null hypothesis. Enter your answer as either "reject" or "fail to reject" in all lower case letters.

10 points Save Answer

QUESTION 11

Test the hypothesis that mean birthweight differs across mother's race. The computed P-value is _____. Enter your answer rounded to two decimal places.

8 points Save Answer

QUESTION 12

Based on the computed P-value, we _____ the null hypothesis. Enter your answer as "reject" or "fail to reject" in all lower case letters without the quotation marks.

8 points Save Answer

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Save All Answers | Save and Submit