Mentor

Unit 7 - Week 5

Course outline	Assignment - 5	
How to access the portal	The due date for submitting this assignment has passed. Due on 2019-10-02,	23:59 IST.
Week 0	As per our records you have not submitted this assignment.	
Week 1	1) In hypothesis testing, it is assumed that samples are taken from a normal distribution with random or non-random sampling technique.	2 points
Week 2	True False	
Week 3	No, the answer is incorrect.	
At1- A	Score: 0 Accepted Answers:	
Week 4	False	
Week 5	2) The outcome of a statistical study rejects the Null Hypothesis when actually it is true.	2 points
O Lecture 15: Sampling	Choose the correct kind of error from below.	
CLecture 16: Sampling	Type - I Error	
Techniques	Type - II Error	
Lecture 17: Hypothesis Testing	No, the answer is incorrect. Score: 0	
Lecture 18: Hypothesis Testing continued	Accepted Answers: Type - I Error	
Installation guides for R and RStudio	3) The Municipality is going to create a new waste management depot in the city and thus requires to locate the facility. A statistical study was developed that will survey each society for collecting an estimate on the amount of waste it generates.	2 points
○ Quiz : Assignment - 5	There are 70 different societies in the city and the survey was performed in 14 of them. The average waste generated by these 14 societies is 22 with a standard deviation of 5 units.	2 units of waste
O Solutions - Assignment 5	What is the sampling ratio in this study?	
Feedback form for week 5	O.5	
Week 6	0.45	
Week o	○ 0.2 ○ 0.25	
Week 7	0.25 No, the answer is incorrect.	
Week 8	Score: 0	
	Accepted Answers: 0.2	
	4) The Municipality is going to create a new waste management depot in the city and thus requires to locate the facility. A statistical study was developed that will survey each society for collecting an estimate on the amount of waste it generates.	2 points
	There are 70 different societies in the city and the survey was performed in 14 of them. The average waste generated by these 14 societies is 22 with a standard deviation of 5 units.	2 units of waste
	Create a 90% Confidence interval for the mean waste generation.	
	(17.84, 25.32)	
	(28.24, 35.29)	
	(15.19, 23.48)	
	(19.80, 24.20)	
	No, the answer is incorrect. Score: 0	
	Accepted Answers: (19.80, 24.20)	
	5) The Municipality is going to create a new waste management depot in the city and thus requires to locate the facility. A statistical study was	2 points

developed that will survey each society for collecting an estimate on the amount of waste it generates.

with a standard deviation of 5 units.

Null hypothesis will get rejected.

No, the answer is incorrect.

Null hypothesis will get rejected.

Accepted Answers:

Score: 0

Null Hypothesis will not get rejected.

There are 70 different societies in the city and the survey was performed in 14 of them. The average waste generated by these 14 societies is 22 units of waste

The experimenters believe that the mean waste generation of the city is 30 units. Using the confidence intervals calculated above, answer the following.