

COURSEWORK COVER PAGE (GROUP/ INDIVIDUAL)

TO BE COMPLETED BY STUDENTS

FULL NAME (Group _)		MATRICULATION NO.	
1)		1)	
2)		2)	
3)		3)	
4)		4)	
5)		5)	
6)		6)	
7)		7)	
COURSE CODE AND COURSE NAME	STA3206 Quantitative Methods		
LECTURER'S NAME	Ts. Miss Soong Cai Juan		
SECTION / GROUP	1H1,	SESSION	JAN / MAR / JUNE / AUG <u>2021</u>
COURSEWORK DETAILS	<input checked="" type="checkbox"/> ASSIGNMENT __1__ <input type="checkbox"/> LAB REPORT <input type="checkbox"/> PROJECT <input type="checkbox"/> OTHERS: _____	DUE DATE	

NOTE: PLEASE SIGN THE STUDENTS' DECLARATION ON THE NEXT PAGE

Students' declaration:

We understand what is meant by plagiarism. We declare that this is our own work except where due references are made.

Name	Signature
1)	1)
2)	2)
3)	3)
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5)	5)
6)	6)
7)	7)

Note:

Lecturer has, and may exercise, the right not to mark this coursework if the above declaration has not been signed. If the above declaration is found to be false, appropriate action will be taken which would lead to ZERO mark being awarded for this coursework.

OFFICE USE ONLY					
Marker's comments					
Late submission		Extension Granted		Deduction	Final Marks (20%)
YES	NO	YES	NO		



**STA3206 STATISTICS
ASSIGNMENT:**

Purpose: Learning Outcomes

1. Convert raw data into graphical illustrations and statistical estimations (C2, PLO1)
2. Produce numerical descriptive solutions for statistical problems using probability theory (C3, PLO2)
3. Analyse population data using sample statistics. (C4, PLO7)

Data Set: University of Florida.sav

Objectives:

- i. To compare the penalty between model 1 and model 2.
- ii. To find out whether there is an association between fitness and time.

Instructions:

1. Obtain the histogram and or lines and or graphical illusion of the fitness for
(a) model 1.
(b) model 2.
2. Find the maximum, minimum, mean, standard deviation, and skewness of the fitness. Is the distribution normal?
3. Use the 'florida.sav' data set. It is believed that the time need for computation average is 76. Test, at 1%, 3% , 5%, significance level, whether the claim is true.
6. Write a brief report on your any findings.

Rubric

Criteria	Correct 5 points	Level 3 3 points	Level 2 2 points	Level 1 1 points	None 0 points
Analysis	Organizes and synthesizes evidence to reveal insightful patterns, differences or similarities related to focus.	Organizes evidence to several important patterns, differences, or similarities related to focus.	Organizes evidence, but the organization is not effective in revealing important patterns, differences, or similarities	Lists evidence, but it is not organizes and / or is unrelated to focus	No answer given or response is not aligned to problem.
Presentation	Show a excellent understanding of the topic	Show a full understanding of the topic	Show a good understanding of the topic	Show a good understanding of parts of the topic	Does not seem to understand the topic well
Conclusions and related outcomes (implications and consequences)	Conclusions and related outcomes (consequences and implications) are logical and reflect student's informed evaluation and ability to place evidence and	Conclusion is logically tied to a range of information, including opposing viewpoints, related outcomes (consequences and implications) are identified clearly.	Conclusion is logically tied to information (because information is chosen to fit the desired conclusion); some related outcomes (consequences and implications) are identified clearly.	Conclusion is inconsistency tied to some of the information discussed; related outcomes (consequences and implications) are oversimplified.	Does not seem to concluded some of the information discussed; related outcomes (consequences and implications) are oversimplified

	perspectives discussed in priority order.				
Influence of context and assumptions	Specific position (perspective, thesis/hypothesis) is imaginative, taking into account the complexities of an issue. Limits of position (perspective, thesis/hypothesis) are acknowledged. Others' points of view are synthesized within position (perspective, thesis/hypothesis).	Specific position (perspective, thesis/hypothesis) takes into account the complexities of an issue. Others' point of view are acknowledged within position (perspective, thesis/hypothesis).	Specific position (perspective/thesis/hypothesis) acknowledges different sides of an issue.	Specific position (perspective, thesis/hypothesis) is stated, but is simplistic and obvious	Do not specify position (perspective, thesis/hypothesis) is stated

Submit your Microsoft Word report to me by **Week 10**. Please deliver hardcopy to me in class and leave the softcopy (Microsoft Word) in Blackboard.