UNIVERSITY OF BISKRA DEPARTMENT OF ENGLISH		LISH	M2 -SCIENCE OF LANGUAGES	SEMESTER 3 - EXAM	
FULL NAME:			DATE: January 8 th , 2024		
G	ROUP NUMBER:		TIME: 90 minutes	20	
A	CTIVITY ONE (10 POINTS)	TIME: 90 minutes 20 viation is: 6. If p = .0501 in the Levene's test, then:			
Tic	ck (✓) the correct answer:				
1.	If σ^2 is 1.35, the population standard deviation is: 0.67 1.16 1.82 2.70	6.	The variances are homogeneeThe data are normally distributionThe variances are heterogenee	eous outed eous	
2.	A bimodal distribution often suggests that the data were collected with: Two distinct data collection instruments Two distinct data analysis methods Two distinct statistical tests Two distinct populations	7.	○ 7○ 24○ 18	3, 24, 7), the median is:	
3.	A sampling approach that divides the population into strata and selects participants non-randomly: Stratified sampling Quota sampling Systematic sampling Cluster sampling	8.	oral fluency suggests that: Increased talking time increased talking time is related. Increased talking decreases.	ases oral fluency Ited to increased fluency oral fluency	
4.	In the Kolmogorov–Smirnov test, P = .500, means: The data are normally distributed The data are not normally distributed The data are significant The data are not significant	9.	materials improves phonetic accurate Null hypothesis Non-directional hypothesis Directional hypothesis		
5.	In a word recognition task, the time taken to respond is: Nominal data Ordinal data Interval data Ratio data	10.	Summarizing the data of a saMaking predictions about a	ample	

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ACTIVITY TWO (5 POINTS)

Summarize the following dataset in the descriptive statistics table including measures of frequency, measures of central tendency, and measures of spread.

Dataset

Participants	Pretest	Posttest
Student 1	5.30	5.64
Student 2	6.75	6.78
Student 3	7.19	7.14
Student 4	5.84	5.79
Student 5	6.43	6.40
Student 6	7.26	7.82

Descriptive statistics table

TEST	Σ	χ	S ²	S
Pretest				
Posttest				

ACTIVITY THREE (5 POINTS)

A researcher employed a structured questionnaire to ask eight people about their use of physical libraries versus use of online libraries with the frequency scale bellow. Summarize the dataset in the descriptive statistics table below:

Frequency scale	Never	Rarely	Sometimes	Often	Always
	0	1	2	3	4

Dataset

Participant	Gender	Physical library use	Online library use
Subject 1	Male	3	2
Subject 2	Female	1	3
Subject 3	Male	4	4
Subject 4	Male	2	3
Subject 5	Female	3	4
Subject 6	Male	2	3
Subject 7	Female	2	2
Subject 8	Male	1	3

Descriptive statistics table

	Physical library use			Online library use		
Gender	χ	S ²	S	x	S ²	S
Female						
Male						
Total						