

Take- Home Exam in Research Statistics

Student's name:

Mark: /20

Question one: The following are suggested topics (10.5pts)

Topic 1. The Relationship between Parental Educational Level and Academic Success of Driss Omar Middle School pupils

Topic 2. The Impact of the Task-Based Approach on EFL Students Vocabulary Learning at Biskra University

Topic 3. The Role of Social Networking Sites as Effective Marketing Communication Channels

Answer the following questions for all the suggested topics.

1. What kind of research is it? **(1pt)**

3. Formulate a **one tailed** or a **two-tailed hypothesis** (alternative hypothesis). Then, Formulate the corresponding **null Hypothesis**. **(1pt)**

4. How can you describe, summarize and display graphically the results in such a kind of study? **(1.5pts)**

Question two: What is the level/scale of measurement for each of the following ? Justify **(03pts)**

	Level /scale of measurement	Justification
Likert scale		
Yes/ No responses		
Exam scores		

Question three: Given the following data set from a random sample: **(03pts)**

2-5-10-7- 16-1-5

Calculate the mean/ median /variance and standard deviation

Question three : Calculate the relative, percent and cumulative frequencies of the following and place them in a frequency distribution table. **(03.5 pts)**

Students marks are as follows:

15 students got from 5 to 9

21 student got from 10 to 13

5 students got from 14 to 16

3 students got from 17 to 19

N.B : - Submission of this exam will take place during one of the last scheduled exams.

- Online submission won't be accepted.
- This exam has to be submitted preferable printed.

Good luck