

## Mathematics Department - Fall 2018 - STAT 2311 First Exam

S	t. Name (in Arabic):sec:sec:
Qu	estion # 1. Fill in the blank and multiple choice questions:
1.	The variable " Price in dollars" is
	a. Quantitative b. Qualitative
2.	The measurement Scale for the variable "Price in Dollars" is
	a. Interval b. Nominal c. Ratio d. Ordinal
3.	A
4.	data is collected in one point of time.
	To summarize data about Tuitions اُفساط at BZ University we use:
	a. Cross Tabulation b. Scatter Plot c. Bar Graph (Bar Chart) d Histogram
6.	. To study the relationship between "Price" and "Brand name", the appropriate method is:
	a. Cross Tabulation b Cross-Sectional data c. Scatter Plot d. Pie Chart

Question #2: If the ages of 35 students are distributed in the following table:

Age	Frequency
0—9	10
10—19	12
2029	8
3039	3
4049	2
Total	35

1. What is the variable Name :	Age
	10
	5

4.	What is the sample size	?35	<i></i>		and the second s
5.	What is the relative free	quency of class «	20 -29 » :8		
6.	What percentage of stud	ents aged 29 years	s or less is: <u>3.</u> 0		0,
7.	What percentage of stud What is the <b>shape</b> of the	Distribution ?	35 X 1	00/0 = 18517	/ /ò
	a. Left Skewed	b. Symmetric	(c.)Right-Skewed	1	

Question # 3
Data on Education level and monthly salary of workers in Tarmer.

Education Level Monthly  Education Level			Salary in NIS	
	10002999	30004999	50007999	Total
Tawjihi	20	15	1	36
College	30	40	$\frac{1}{20}$	90
University	25	35	54	114
Total	75	90	75	240

1. What is the population :	
2. How many elements are there in the population?: 2.4.0  3. How many variables are there in this table?: 2.4.0  4. What percentage of workers completed a College degree only: 90 × 100 ° × 1	What is the population : W. O. V. Ter S. In Janual Company
<ul> <li>3. How many variables are there in this table?:</li> <li>4. What percentage of workers completed a College degree only: 90 × 100 %</li> </ul>	How many elements are there in the population?240
4. What percentage of workers completed a College degree only: 90 X.100.90	
- 127 a 12/1	What percentage of workers completed a College degree only: 90 X 100 C/
27.15	= [37.5%]
5. OF those workers who have a <b>Tawjihi degree</b> , What percentage earns 3000-4990 NJS	OF those workers who have a <b>Tawjihi degree</b> , What percentage earns 3000-4999 NJS
$\frac{15}{36} \times 100\% = 41.7\%$	15 X 100 % = [41, 7 0/
36	36

- 6. Based on the data in the cross-tabulation we conclude that: (Circle the best answer).
  - a) There is a negative relationship between Education level and monthly salary
  - b) There is a positive relationship between Education level and monthly salary
  - c) There is no relationship between Education level and monthly salary