King Abdul Aziz University Department of Statistics

Assignment 1(SPSS part) Stat 210 LAB Term 1, 2016 I. Abeer Balubaid

Name:	
ID:	
Section:	
Marks Obtained:	
Section: Marks Obtained:	

Please print output sheet separated by questions

The due date is next week , class time

Questic	on#1:
The follo	wing information for students in a kindergarten in Jeddah:
1. Si	udent Name:
2. G	ender: □ Male □ Female
3. Bi	rthday Date of student: uu/uu/uu [dd.mm.yy]
4. Si	tudent level:□ Nursery □ KG1 □ KG2 □ KG3
5. W	/eight of student: kg
6. H	eight of student: cm
7. N	umber of brothers and sisters:
8. Fa	amily's monthly income SR
Define th	ne previous questions in SPSS and save the file by name "Kindergarten". (<u>Print variable view</u>)
Questic	on#2:
From the	e file <u>car_sales.sav</u> Solve the following questions:
(<u>Hint:</u> In <u>car sale</u> a. b. c. d. e. f. g. h.	version 22 the file can be obtain from local disk(c) →Program files →IBM → SPSS → Statistics →22 →Samples → English → es.sav) Find 15% discount of prices of <u>BMW</u> cars (<u>Print Data View</u>) Recode the variable <u>price</u> to: 1 if price < 20,000 2 if 20,000 ≤ price < 40,000 3 if 40,000 ≤ price < 60,000 4 if price ≥ 60,000 and name the new variable price2 (<u>Print Data View</u>) From <u>previous statement (b.)</u> how many cars have prices less than 20,000? Describe the variable <u>type</u> (by graph) (<u>Print Graph with interpretation</u>) Find the <u>best</u> central tendency and dispersion measures for variable <u>length</u> (<u>Print Output with interpretation</u>) Find the stem and leaf of variable <u>wheelbas</u> , then how many cars have wheelbase between 96 and 99. (<u>Print Graph with interpretation</u>) For the following boxplot, obtain median, shape of distribution, third quartile and inter-guartile range (IQR).
65- 60- 55- 50-	

Question#3:

Choose the correct answer for the following statements: (Please print this page with your answer)

1. If the skewness of a distribution is 1.56 and its kurtosis is -6.31, then the shape of this distribution is:

- a. Flat and right skewed
- b. Flat and left skewed
- c. Thin and right skewed
- d. Thin and left skewed

2. from the following boxplots:



- a. The median of engine size of automobile is less than the median of engine size of truck
- b. The engine size of automobile has outlier
- c. The range of engine size of truck less than the range of engine size of automobile
- d. All of above

3. Suppose the following data: 33 26 38 37 37 33 24 29 31 39 then:

- a. There is no mode
- b. The data is unimodal
- c. The data is bimodal
- d. The data is multimodal

4. Which central tendency measure(s) can be use in qualitative data?

- a. Mean, median and mode
- b. Mode and median
- c. Only mode
- d. None of above

Best Wishes

I. Abeer Balubaid