

## Group 2

SECI 1143-03

## Assignment



GROUP MEMBERS:

MIKAEL HAQIMI BIN NAHAR JUNAIDI MIRZA AS-SIDDIQ BIN TOHARI NUR ALIA ATHIRAH BINTI SUZUDDIN SITI NUR IMAN NADHIRAH BINTI MOHD FAIZAL SITI SARAH BINTI MUHAMMAD HAFIZAM A24CS0111 A24CS0112 A24CS0153 A24CS0192 A24CS0193

- a) Qualitative: Customer Name, Age group, Favourite pissa topping Quantitative: Kating of service (1-5 stars), Number of slices ordered, Total bill amount (km), Time spent eating (in minutes)
- b) Ruting of service (1-5 stars)

Discrete because you can count the stars & For example, you won't end up with hulf a star.

Number of slices ordered

Discrete because you can count the number of slices - For example, you with become should receive & slices of pizza instead of 8.5 slices.

you Loron't get

Time spent eating (in minutes)

Continuous because you can measure the time spent eating. For example, you can spend 15 minute 5.5 minutes eating.

Total bill amount (RM)

Continuous because it can take any value within a range. For example, sit can be kmio-or you can have km 54.55 as your total bill amount , that is included with additional percentages like entertainment tax.

c) Customer name

Nominal as it only involves elassification. For texample, you would not have an order of name.

Age group

Hominat and it only involves classification.

Ordinal as it involves classification and order . You For example, you can order them according to their age ( child > teen > adult > senior ). However, interval between groups are not equal.

Forwarde posa topping

Hominal as it only involves classification with no inherent order. For example, you would classify the topping you want such as pepperani and margherita.

Rating of service

Ordinal as it shows order (57 47372)1) but internal between difference between ratings are not measurable. For example, 4 stors doesn't necessarily means twice a many as a stars.

Number of slices ordered.

Katio as it harkfrue zero. For example, 4 slices is twice as many as 2 slices.

Total bill amount (RM)

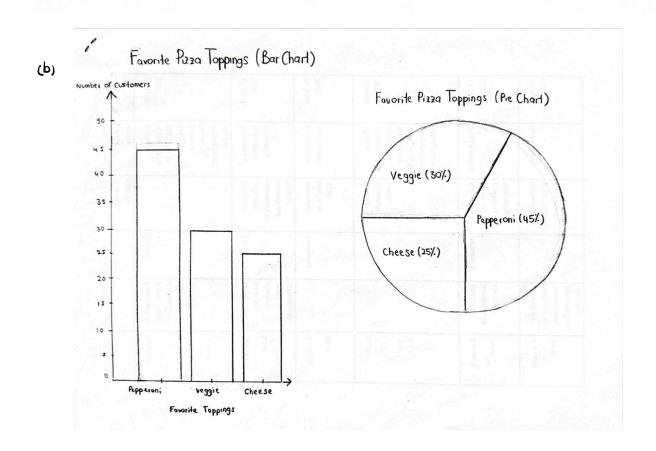
Ratio as it has litrue zero. For example, RMSO is twice as many as emio.

Time spent eating (minutes)

katio as it hashtrue zero. For example, 2 minutes are twice as many as 1 minute.

(9)

Pizza Topping	Frequency, f	Relative frequency
Pepperoni	45	<b>誓</b> = 0.45
Veggie	30	<u>₹</u> = 0.30
Cheese	25	25 0:25
Total	100	1.00

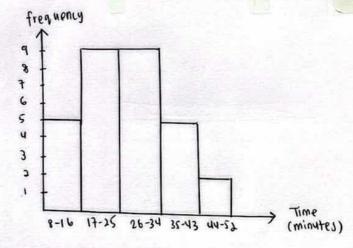


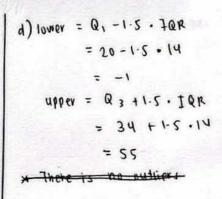
(c) The pie chart will be difficult to read as adding more topping options increases number of slices which will be cluttered.

## Question 3

a)	class	frequencies	mi dpoint
	8-16	5	12
	17-25	9	21
	26-34	9	30
	35-43	5	3 9
	44-51	2	48

$$tange = 50 - 8$$
$$= 42$$





b) minimum = 8 maximum = 50

$$i = \frac{15(30)}{100}$$

Q1 50

median = 50th per centile

i = 15

$$\frac{Y(15) + Y(16)}{2} = \frac{26 + 27}{2}$$

= 26.5

