Paper

1DX

Biostatistics

13430

22/8/2020

Date



Any I Lingsouped dotted Data for Frequency distribution tally frequency No 0 111 -+++11 111 8 HTT1 1111 1111 14 3 HTT 11 Synd 1111 5 11 1111 8 111 11 0 ۱ for googs data frequency detabetion Cloff 13 8-2 2-4 51 4-6 9 6-8 8-10 50

Hinn for grap colo - Film fl: closs Ę Z l 13 0-2 (3 2-4 21 7 3 ٩ 1.8 S 4-6 7 0.71 6 - 8 5 0.22 9 258 8-10 22.73 Dote So fin for group Che Nice) 50 2.19 

11, find onean and chosenanie for group frequency distribution Mean = x = & fra For grap and - on close Fx Ø X 13 1 8-2 13 63 3 21 2-4 e 5 45 4-6 5 6-8 7 35 18 174 9 8-10  $10000 = \overline{X} = 2fn$ X = 174 X = 204 3.48 AM.

Epicelus tron. 2. マイン Closs Commulivie flequency σł 3 13 50 4 2 6 47 3 6 29 34 10-12 10 14 16 88 Jours 18 18-20 13 24 10-5-2-6-28 32 34-360 3 QI  $= L + \frac{(f_{1} - cf_{1})}{f}$  $= L + \frac{50}{2} - c_{f}$ 01, 25.5 + (22) Q1 25.5 + 4.4 Q ( = 29.9 QI= 60 L+ 3 Q2-= 25.5 + 50-3 = 25.5 + 9.4 = 34.9

r L+ 50×3-3 23 = 25.5 + 75-3 = 255 - 14.4 234.9 L+ 50×4-3 04 =25.5 + 100 -3 97 =25.5 + = 250+ 19.4 -44.9 £5, = 1+ 50x5-3 = 26.5 + 125-= 25.5 + <u>122</u> 5 = 25.5 + 24.4 49 - 9

B L+ Sox6 -} 6 2 = 25.5 + 150-3 25.5 + 147 54.9

Q L+ 50x7-3 07,, 7 26 25-5-+ 175-3 2 25.5 + 34.4 2 59.9 4 50×8-3 28, =25.5+ 200-3 = 25.5 + 39.4 2 64.9

$$\begin{array}{c} 11 \cdot 9 \cdot 11 & \cdots & (1 + \frac{55 \times 9}{3} - 2 \\ & \cdots & 25 \cdot 5 + \frac{225}{5} \\ & = 25 \cdot 5 + \frac{222}{5} \\ & = 25 \cdot 5 + \frac{25}{44 \cdot 4} \\ & = 69 \cdot 9 \\ \hline 210 & = 6 + \frac{58 \times 10}{2} - 3 \\ & = \frac{2}{5} \\ & = 25 \cdot 5 + \frac{250 \cdot 3}{5} \\ & = 25 \cdot 5 + \frac{250 \cdot 3}{5} \\ & = 25 \cdot 5 + \frac{275 \cdot 3}{5} \\ & = 25 \cdot 5 + \frac{275 - 3}{5} \\ & = 25 \cdot 5 + \frac{275 - 3}{5} \\ & = 25 \cdot 5 + 54 \cdot 4 \\ & -\frac{1}{5} \quad 79 \cdot 9 \\ \end{array}$$

12, = L + 50x 12 -3 25 = 25.5 + 297 5 = 25.5 + \$\$ 59.4 = 84.9 L+ 50x13-3 213 = 2 =25.5 + 322 \$ 25.5 + 64.4 = 89.9 L+ SOX 14 -3 14 2 D 215 347 = 25.5- 4 + 69.4 - 25.5 94.9

Scanned with CamScanner

1 + 5.0 + 15 - 3 515 25 5 -+ 372 - 255 + 74.4 =25.5+ 74.4 = 99.9 10 L+ 50×16 Q 16 = -3 = 25.5+ 397 - 25.5 79.4 = 104.9Q17 - L+ 50 × 17 -3 =25.5+ 422 = 25.5 + 84.4 ≈ 109.9

\*



$$Q | 9 = L + \frac{50 \times 19}{3} - 3$$
  
=  $25.5 + \frac{472}{5}$   
=  $25.5 + \frac{94.9}{5}$   
=  $119.9$ 

$$a_{20}, = L + 50 \times 20 - 3$$
  
 $\frac{2}{5}$   
 $= 25.5 + 493.4$   
 $= 124.9$ 

**Q03**:A descriptive statistic is a summary statistic that quantitatively describes or summarizes features from a collection of information, while descriptive statistics is the process of using and analysing those statistics

Interval scale refers to the level of measurement in which the attributes composing variables are measured on specific numerical scores or values and there are equal distances between attributes

: Q3 part a: Biostatistics are the development and application of statistical methods to a wide range of topics in biology. It encompasses the design of biological experiments, the collection and analysis of data from those experiments and the interpretation of the resultsStatistical inference is the process of using data analysis to deduce properties of an underlying distribution of probability. Inferential statistical analysis infers properties of a population, for example by testing hypotheses and deriving estimates

Primary data are those which are collected a fresh and for the first time and thus happens to be original in character.

It is the real time data which are collected by the researcher himself.