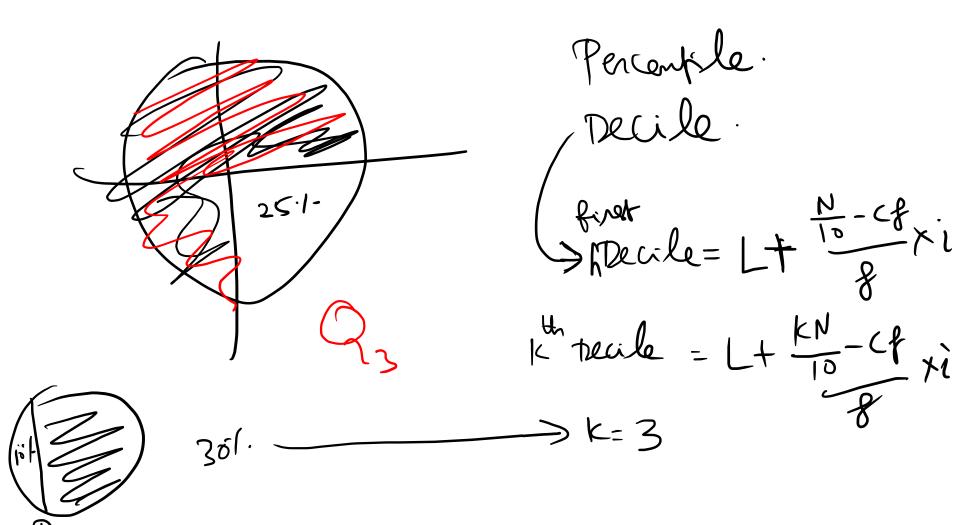
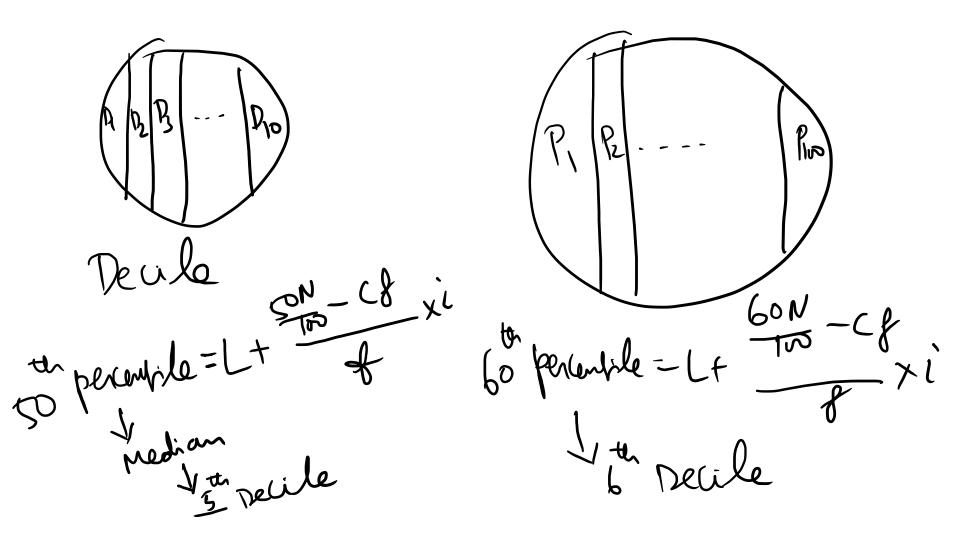
Individual demotions 5x issete demations. 500 Xi

Individual desembra -> Median = Size & (N+1) ilem. Discrete descrapa ->)1 Continuous observations -> Median frequency & Cumm for the Cumm for the plant class. precediate median class Partitioning the Values. 25/ First quartile

 $Q_3 = 8ige 9^3 \left(\frac{N+1}{4}\right)^{\frac{1}{4}} item$ 25-1. + = -(f x i Lower tist of grantile 25%





morr Repeated Value. Modal class frey of the modal blass Mode - 3 Median - 2 Mean Relationship to | mean, median & Mode. Cremetric Mean Cremetric mean of a set of noteenwhomes in the di, dri..., de the given Values. G.M=G= (x1x2--- xn). log G = 1 { log x, + log 72 + --- + log xn} G-antilog { \frac{1}{21} log xi}.

precete data

$$\begin{cases} \zeta_{M} = \left(\frac{\delta_{1}}{\lambda_{1}} \frac{\delta_{2}}{\lambda_{2}} - \frac{\delta_{1}}{\lambda_{M}} \right) \\ \begin{cases} \zeta_{M} = \left(\frac{\delta_{1}}{\lambda_{1}} \frac{\delta_{2}}{\lambda_{2}} - \frac{\delta_{2}}{\lambda_{M}} \right) \end{cases}$$

7 γ: 5 15 25 35 } discrete dateiz Convert it into Continuous date.

5 15 25 35

CT:0-10 10-20 20-30 30-40

1 4 7 6

Disadvantages in G.M.

1) If one value is -ve then Gr.M because abound.

2) If any one value is zero, GM=0.

TPT AM > CM a, b are the provalues. AM = 2 & G = Val. TPT AM 7, GM. Equivalently, to prove AM-GM 70.

Consider A.M - C.M = ath - Jak

Find the G.M 2 -3, -5GM = 515 (M-- VI5 V l= (-1 $C_{M-1}(-3)(-5)$ = -(15)

$$-1 = i^{2} = \int i^{4} = \int i^{2} \cdot i^{2}$$

$$= \int (-1)(-1)$$

$$= -1$$

Can you identify the flow here:

Creometric Mean of Combined group. log G= milog G, + nz log Gz+-... + nx log Gx n,+n2+---+nk Cor = (7k1 7kz - · · 7knk) C'= (4"4" --- 4") nklog Gk= = log 7ki logh, = 1 { Stogxii}

λογς ς = 1 2 09 X 11 ν, 69 ς 1 = 1 109 X 11

log G= mlog G, + ne log G, + ... + ne log G