3 Mode: value of variable that occurs most forequently Individual fenius: 11.1,10.9, 10.7, 11.1, 10.6, 11.3, 10.6

10.2,10.6,10.9,10.6,10.5,10.4,10.5

mode 10.6 - occurs 5 times Discrete Series: x mode =140 130 140 160 step I - find model class - most 1 Continuous mode = l+ f, -fo xi 5-10 10-15 30 model class for 2f1-fo-f2 15-20 20-25 20 f for foreg of preceding modal class

for foreg of modal class

for friend of post modal class

is size

le lower limit of modal class 25-20 30-35 mode = l+ $\frac{\times l \quad l - 15 \quad f_{1} - 30 \quad f_{0} - 15}{f_{2} - 20 \quad i = 5}$ 2(30)-15-20

Note & If first class is modal class then -> If last class is model does then - If mode value lies outside modal class, the following formula is used to calculate the (,, $mode = l + f_2 \times i$ $f_0 + f_2$ If mode is ill defined, more foreg occurs more 60 mode = 3 Median - 2 Mean Of dass freq continuous interval 19.5-24.5 20-24 25-29 24.5-29.5 10 fo 29.5-34.5 30-34 20 f. 34.5 -39.5 W 35-39 12 f2 39.5 -44.5 6 44.5 -49.5 40-44 45 - 49 49.5-54.5 50-54 54.5 -59.5 55 - 59 1 = 34.5 mode = 34.5 + 20-10 x5 40-10-12 37.27