Solution for Exellise. Chapter (1)

1(5)

N=42 Step 2: Find the Bin Rize / Bin Width. Bin Size = 2 x IRR 3/n

$$2R = R_3 - R_1$$
 \longrightarrow 2

Quartile, Q, is M' = 0.25(n+1) = 0.25(43) = 10.75 $-1. Q_1 = 0.6+0.7 = 0.65$

Ruaetile 3, Q_3 & at 0.75(n+1) = 0.75(43) = 32.25 $Q_3 = 5.5+611$ = 5.8

TRR - 5-8 - 0.65 = 5.15

Substitule in O

Bin sige 2 2 x 5.15

 $=\frac{10.3}{3.5}$

= 2-94

 ≈ 3

Step 3: Find the number of Bins

No. of Bins = Max - Min

Bin 8ize

 $=\frac{15-0}{3}=5$

Stop 4: Build Legnency Distissation

class trequency

0-3

3-6

6-9 7

9-12

12-15 2

Step 5: Plot- the histogram.

