3.4 Histograms and
Stem and Leaf Plots

Histograms is a graphic
display of the number
items in equal intervals

Look like bar graph except
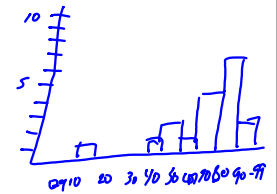the bars are touching

---

Intervals
All are equal size

0 - 1
1 - 8   wrong not equal
8 - 16   size

Look at test scores

0 - 9 — 0
10 — 19 - 1
20 — 29 — 0
30 — 39 — 0
40 - 49 - 1
50 - 59 - 2
60 - 69 - 1
70 - 79 — 4
80 - 89 — 6
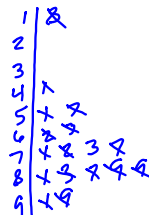90 - 99 — 2

Stem and Leaf Plot
- way of organizing data
  by intervals in a short hand
  notation

86 87 84 86 89

8 | 4 6 6 7 9

18, 41, 51, 57, 62, 63, 71, 73, 72, 77
81, 83, 87, 89, 89, 91, 99

key
1|8 = 18

mode = 89
median = 73

1.25   1.23   1.34   1.27
1.31   1.27   1.45   1.51
1.72   1.26   1.37   1.57

1.2 | 3 5 6 7 7   1.2/3 = 1.23
1.3 | 1 4 7
1.4 | 5
1.5 | 1 7
1.6 |
1.7 | 2