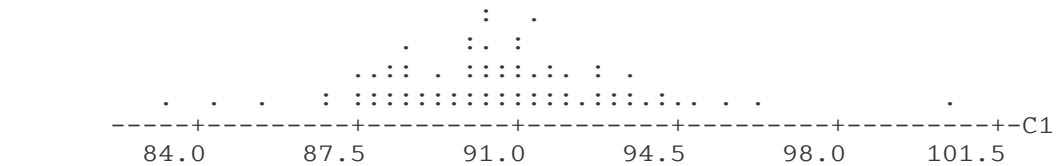
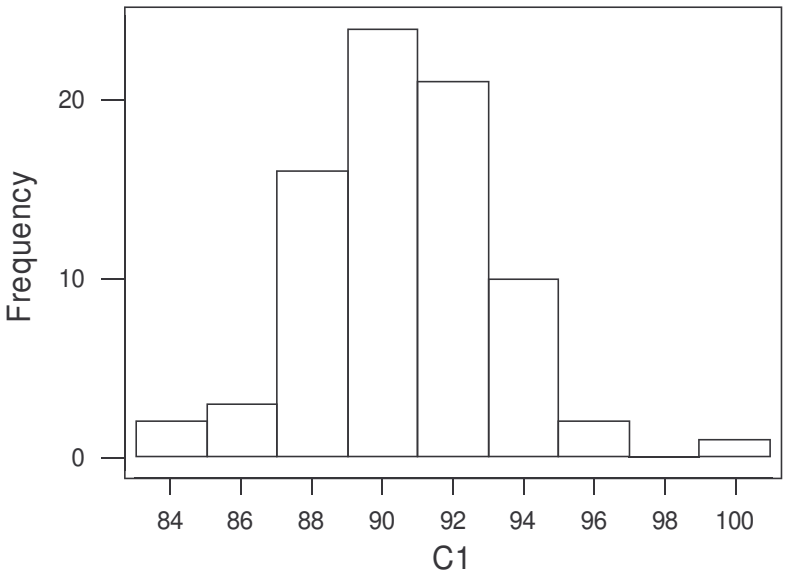
Question 1.11.
The following data on motor octane ratings for various gasoline blends is
taken from an article in "Technometrics":

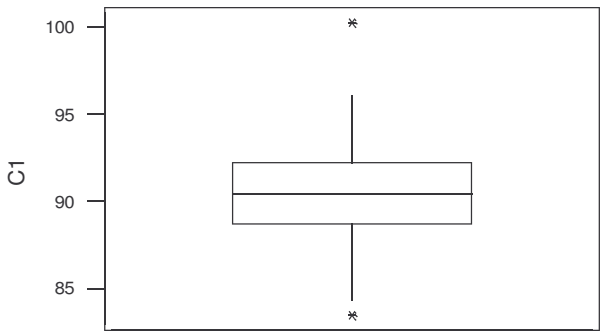
```
MTB > print C1

Data Display

C1
    88.500    95.600    88.300    94.200    89.200    93.300    89.800
    91.800    90.400    92.200    87.700    93.300    87.600    92.700
    88.300    91.800    89.600    91.600    89.300    92.200    83.400
    94.700    84.300    93.200    85.300    92.300    87.400    90.400
    89.700    91.200    86.700    91.100    86.700    91.000    87.900
    90.400    88.900    91.100    90.300    91.000    87.500    91.000
    88.200    90.300    88.600    90.100    91.200    92.600    91.600
    92.200    91.500    94.200    90.800    93.400    90.900    93.000
    89.300    89.800    90.500    90.000    88.600    87.800    88.300
    88.500    89.000    88.700    94.400    90.600    93.700    90.700
   100.300    89.900    89.800    90.100    96.100    89.900    92.700
    91.100    92.700
MTB > stem C1

Stem-and-Leaf Display: C1

Stem-and-leaf of C1        N  = 79
Leaf Unit = 0.10

    1   83 4
    2   84 3
    3   85 3
    5   86 66
   11   87 455689
   21   88 1333555569
   32   89 01335688899
  (13)  90 0003344455689
   34   91 0000001155588
   21   92 11135666
   13   93 013346
    7   94 1146
    3   95 5
    2   96 0
    1   97
    1   98
    1   99
    1  100 3

MTB > dotplots C1
```



```
MTB > histogram C1
```




```
MTB > boxplot C1
```



```
MTB > description C1

Descriptive Statistics: C1

Variable             N       Mean     Median     TrMean      StDev
C1                  79     90.557     90.400     90.530      2.650

Variable       SE Mean     Minimum     Maximum         Q1         Q3
C1               0.298      83.400     100.300     88.700     92.200
```