

Appendix C: TI-83 Plus

CLEAR To CLEAR data in list L_1 :

[STAT] [4:ClrList] [2nd] [L_1 1] [ENTER]

ENTER To ENTER data in list L_1 :

[STAT] [1:Edit] ENTER value, press [ENTER],...

When all data have been ENTERed, press [2nd] [Quit Mode]

STATS To get STATISTICS for data in list L_1 :

[STAT] [CALC] [1:1-Var Stats] [2nd] [L_1 1] [ENTER]

Notes: S_x is the sample standard deviation s .
 Q_1 and Q_3 may be different from textbook.

GRAPH To get HISTOGRAM or BOXPLOT for data in L_1 :

STAT PLOT

1. [2nd] [Y=] [ENTER] [ENTER]
2. Select "Type" (for boxplot, middle of second row).
3. [ZOOM] [9: ZoomStat]

FREQ. DIST. To get STATISTICS FROM A FREQUENCY DISTRIBUTION:

1. Clear L_1 and L_2 : [STAT] [4:ClrList] [2nd] [L_1 1] [,] [2nd] [L_2 2] [ENTER]
2. ENTER the data in L_1 and L_2 : ENTER CLASS MIDPOINTS IN L_1 .
 ENTER FREQUENCIES IN L_2 .
3. To get the statistics:

[STAT] [CALC] [1:1-VarStats] [2nd] [L_1 1] [,] [2nd] [L_2 2] [ENTER]

BINOM. To find BINOMIAL PROBABILITIES:

1. Clear L_1 and L_2 : [STAT] [4:ClrList] [2nd] [L_1 1] [,] [2nd] [L_2 2] [ENTER]
2. [2nd] [Vars] [0:binompdf()] \downarrow n [,] \downarrow p [ENTER]
 [STO \rightarrow] [2nd] [L_2 2] [ENTER]
3. Now use [STAT] [Edit] to view the probabilities in list L_2 and to ENTER the x-values (such as 0, 1, 2, ...) in L_1 .
4. You can get the mean μ and the standard deviation σ with

[STAT] [CALC] [1:1-Var Stats] [2nd] [L_1 1] [,] [2nd] [L_2 2] [ENTER]

