

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] L_1 [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

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

FREQ. TABLE

To get STATISTICS FROM A FREQUENCY TABLE:

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

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

BINOM.

To find BINOMIAL PROBABILITIES:

- Clear L_1 and L_2 : [STAT] [4:ClrList] [2nd] L_1 [1] [2nd] L_2 [2] [ENTER]
- DISTR number of trials prob.
[2nd] [Vars] [0:binompdf()] \downarrow n [2nd] L_1 [1] [2nd] L_2 [2] [ENTER]
[STO \rightarrow] [2nd] L_2 [2] [ENTER]
- 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 .
- 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]

