

## CALULATOR NOTES FOR THE TI-83/83+/84

### Sketch a Histogram

#### (1) Using Raw Data

- Step 1: Enter data in calculator  
-- Press the STAT button  
-- Choose the 1:Edit option  
-- Enter data in L1
  
- Step 2: Clear any functions defined in Y=
  
- Step 3: Define the statistical plot desired:  
2nd Y= [STAT PLOT]  
1: Plot1 ENTER to turn plot on  
Arrow down and right to histogram, ENTER to select it  
Xlist: L1  
Frequency: 1
  
- Step 4: Select a window by pressing WINDOW  
Xmin = first class boundary  
Xmax = last class boundary  
Xscl = class width  
Ymin = 0 which is the lowest possible frequency  
(or -10 to provide space for writing as we trace)  
Ymax = larger than the highest frequency
  
- Step 5: Press GRAPH  
To display information on the screen press TRACE and arrow to the right.
  
- Step 6: 2nd QUIT will return to the Home Screen.
  
- Step 7: Turn stat plot off:  
2nd Y= [STAT PLOT] , ENTER on plot 1, ENTER on Off  
or: Y=, arrow up to Plot1, ENTER to deselect

#### (2) Using Grouped Data

- Step 1: Clear Lists 1 and 2
- Step 2: Enter the class midpoints in L1.
- Step 3: Enter class frequencies in L2.
- Step 4: Clear any functions defined in Y=
- Step 5: Define the statistical plot desired:  
2nd Y= [STAT PLOT]  
1: Plot1 ENTER to turn plot on  
Arrow down and right to histogram, ENTER to select it  
Xlist: L1  
Frequency: L2
  
- Step 6: Select a window by pressing WINDOW  
Xmin = first class boundary  
Xmax = last class boundary  
Xscl = class width  
Ymin = -10 to provide space when tracing  
Ymax = larger than the highest frequency
  
- Step 7: GRAPH  
To display information on the screen press TRACE and arrow to the right. Make sure the info. agrees with the frequency table.
  
- Step 8: 2nd QUIT will return to the Home Screen.
- Step 9: Turn stat plot off:  
2nd Y= [STAT PLOT] , ENTER on plot 1, ENTER on Off  
or: Y=, arrow up to Plot1, ENTER to deselect