

TECHNOLOGY CORNER for Section 1.2, Page 36

2. Histograms on HP Prime

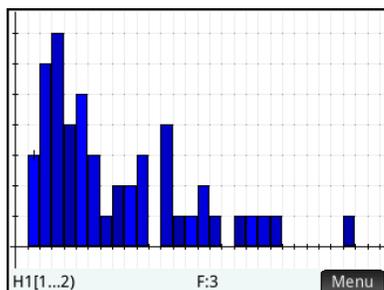
- Enter the data for the percent of state residents born outside the United States in Numeric view of the Statistics 1Var app. The data can be found on Page 35.
 - Press **Apps** and tap the **Statistics 1Var** app icon
 - Type the values into list D1

	D1	D2	D3	D4
1	2.8			
2	7			
3	15.1			
4	3.8			
5	27.2			
6	10.3			
7	12.9			
8	8.1			
9	18.9			
10	9.2			
11	16.3			
12	5.6			
13	13.8			
14	2.8			

- Set up a histogram in Symbolic view of the app
 - Press **Symb** to open Symbolic view; press **Shift** **Esc** (Clear) to return the view to its default settings. By default, H1 is already set to create a histogram based on the data in list D1.

Statistics 1Var Symbolic View	
✓ H1:	D1
Plot1:	Histogram
Option1:	
H2:	
Plot2:	Histogram
Option2:	
H3:	
Enter independent column	

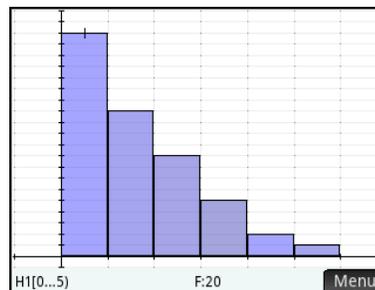
- Plot the histogram in Plot view of the app.
 - Press **View** and tap **Autoscale**



- Change the size of each class using **H Width** in Plot Setup.
 - Press **Shift** **Plot Setup** to enter Plot Setup.
 - Change **H Width** to 5 and **X Tick** to 5
 - Change the **X Rng** and **Y Rng** values as shown in the figure below

Statistics 1Var Plot Setup	
H Width:	5
H Rng:	0 35
X Rng:	-5 35
Y Rng:	-1 22
X Tick:	5
Y Tick:	1
Enter vertical tick spacing	

- Press **Plot Setup** to return to the histogram



- Tap anywhere on the display to move the tracer (or use **Right Arrow** and **Left Arrow**)
- To match Figure 1.17 in the textbook, just change **H Width** to 2.5.