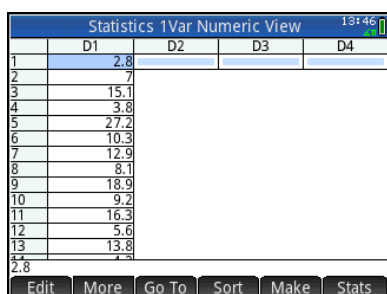


## TECHNOLOGY CORNER for Section 1.2, Page 36

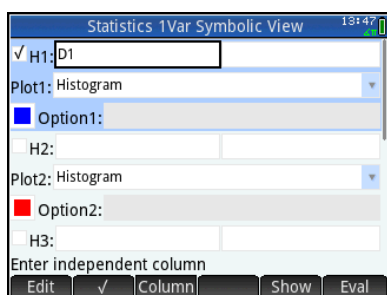
### 2. Histograms on HP Prime

- 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

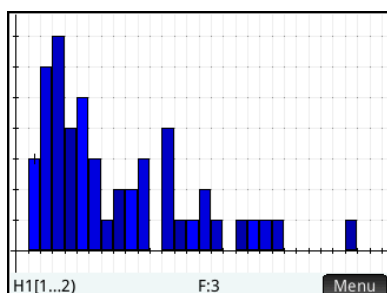
Option2:

H3:

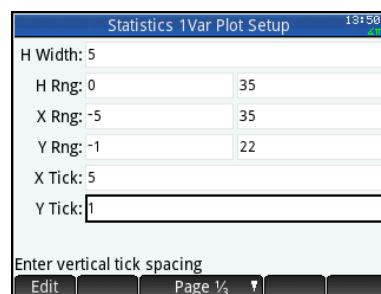
Enter independent column

Edit ✓ Column Show Eval

- 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** 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

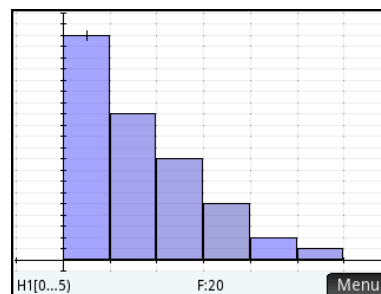
X Tick: 5

Y Tick: 1

Enter vertical tick spacing

Edit Page 1/3

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



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