TOPIC: HISTOGRAMS WITH GRAPHING CALCULATOR

How to Create Histograms – TI-84 Calculator

◆ Follow the steps below to quickly create a histogram on a graphing calculator.

EXAMPLE

Use a graphing calculator to create a histogram of the following data. Use a class width of 15. Is the distribution normal, skewed, uniform, or none of these?

Time spent studying (mins) for exam									
49	25	55	115	40	5	72	9	68	28
45	57	63	53	33	42	37	12	95	21
HOW TO: Create Histograms on TI-84									
1) Input data as list L ₁									
a) STAT, Edit, then type each # ENTER									
2) Graph the default histogram									
a) Open STAT PLOT with 2ND, Y=									
b) Select ON, bar chart $oldsymbol{4}{oldsymbol{1}{oldsymbol{1}}}$, set Xlist to $_{ extsf{L}_1}$									
c) zoom, ZoomStat (or 9), then GRAPH)									
d) TRACE, < & > show class boundaries & freq.									

3) Adjust class boundaries & class widths in window:

b) Set Xmin / Xmax to # at or near data min / max

c) (Optional) adjust Ymin/Ymax/Yscl values

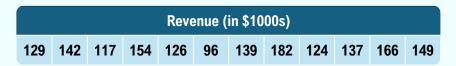
a) Set XscI to desired class width

(A) Normal (B) Skewed Right (C) Skewed Left
(D) Uniform (E) None

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EXAMPLE

A retail company is analyzing its monthly revenue (in \$1000s) over the past year. The following data represents the monthly revenue for 12 months. Use a graphing calculator to create a histogram using a class width of 15. Determine whether the distribution is normal, skewed, uniform, or none of these.



(A) Normal (B) Skewed Right (C) Skewed Left
(D) Uniform (E) None

