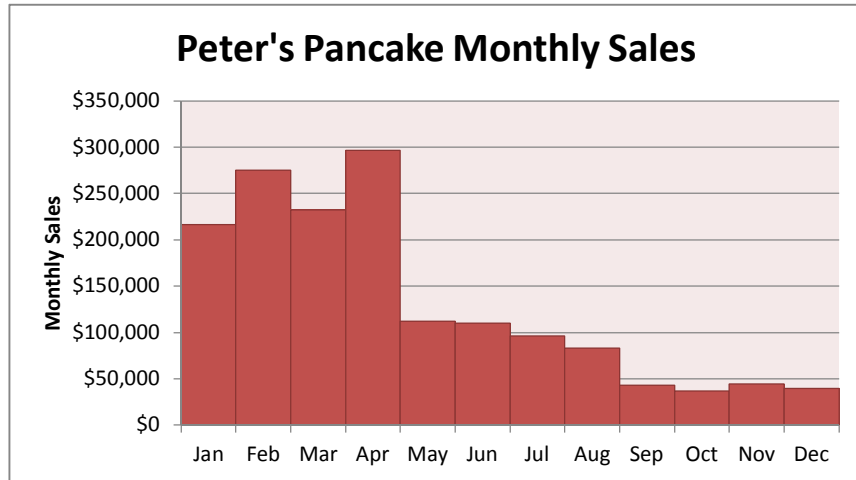


## Histograms

1. Create a bar graph of this data:

Peter's Pancakes	
Monthly Sales	
Jan	\$375
Feb	\$425
Mar	\$397
Apr	\$419
May	\$325
Jun	\$302
Jul	\$265
Aug	\$211
Sep	\$289
Oct	\$368
Nov	\$434
Dec	\$419



2. Is a histogram appropriate? Why?

I built a histogram, because the months represent numbers (1st - 30th of Sept), and the series was continuous (no days missing). But if you built a bar graph, with gaps between the bars, that would also be acceptable.

3. What type of distribution does your bar graph show?

Bimodal

4. If your months on the x axis started in August and ended in July, instead of Jan - Dec, what type of distribution would be shown?

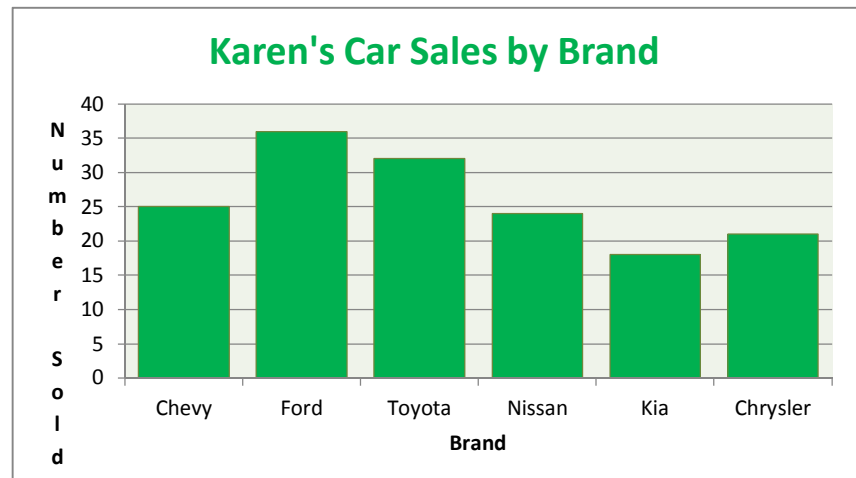
Normal

5. "Seasonality" means changes in the data that result from changes in the seasons. What can you tell about the "seasonality" of Peter's business?

Peter's sales are lower in warmer months.

6. Create a Bar Graph for the data in this table.

Karen's Car Sales	
Sales by Brand	
Chevy	25
Ford	36
Toyota	32
Nissan	24
Kia	18
Chrysler	21



Be sure you built a bar graph, with gaps between the bars.