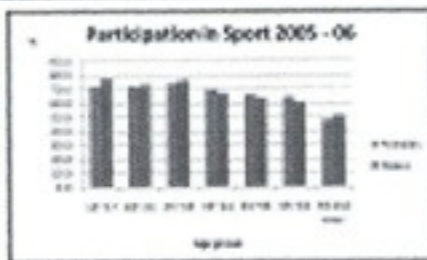


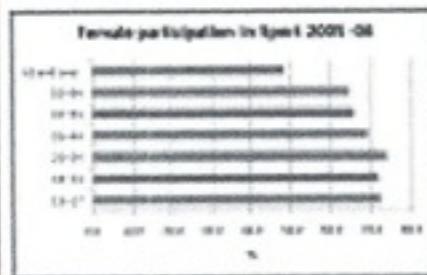
**Graphing data**

Side by side column graph



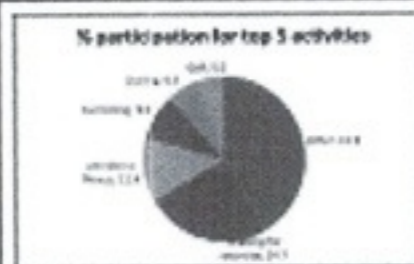
To compare 2 or more attributes for 2 or more variables e.g. males with females, 15 year olds with 40 year olds.

Horizontal bar graph



A horizontal bar graph is used to compare 2 or more attributes and is a convenient display when the variable names are too long for the x axis.

Pie chart



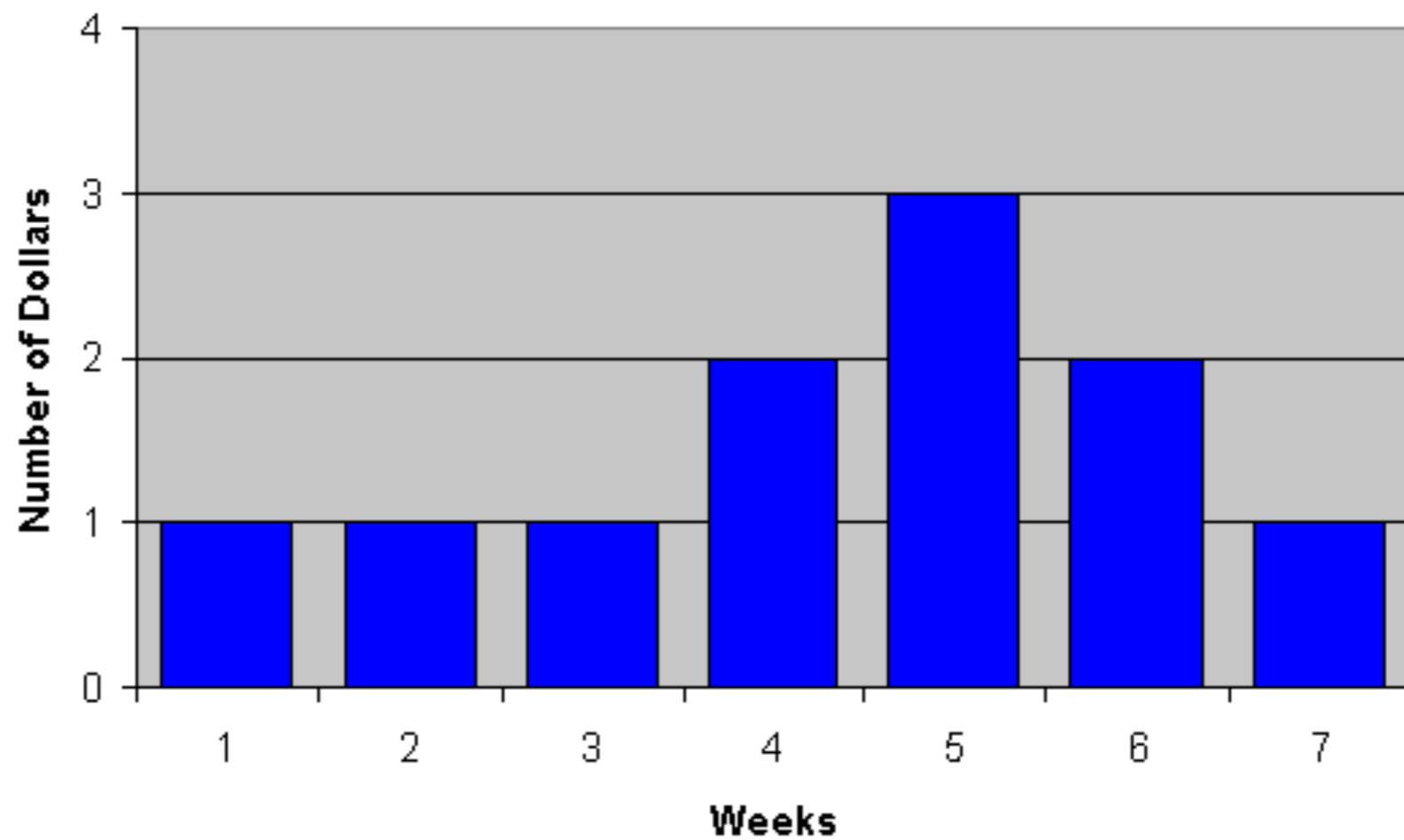
To show relationship of parts to the whole where the whole pie represents 100% of the data. More than 6 sectors make the chart difficult to read.

Line Graph

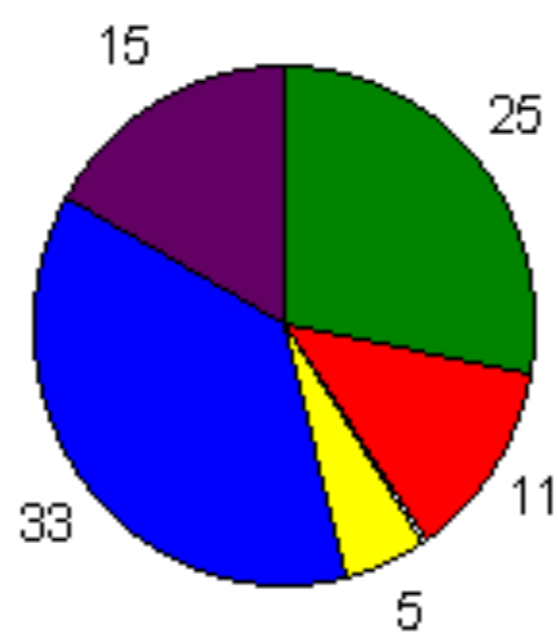



To display a relationship between 2 numerical variables, often one of them is time.

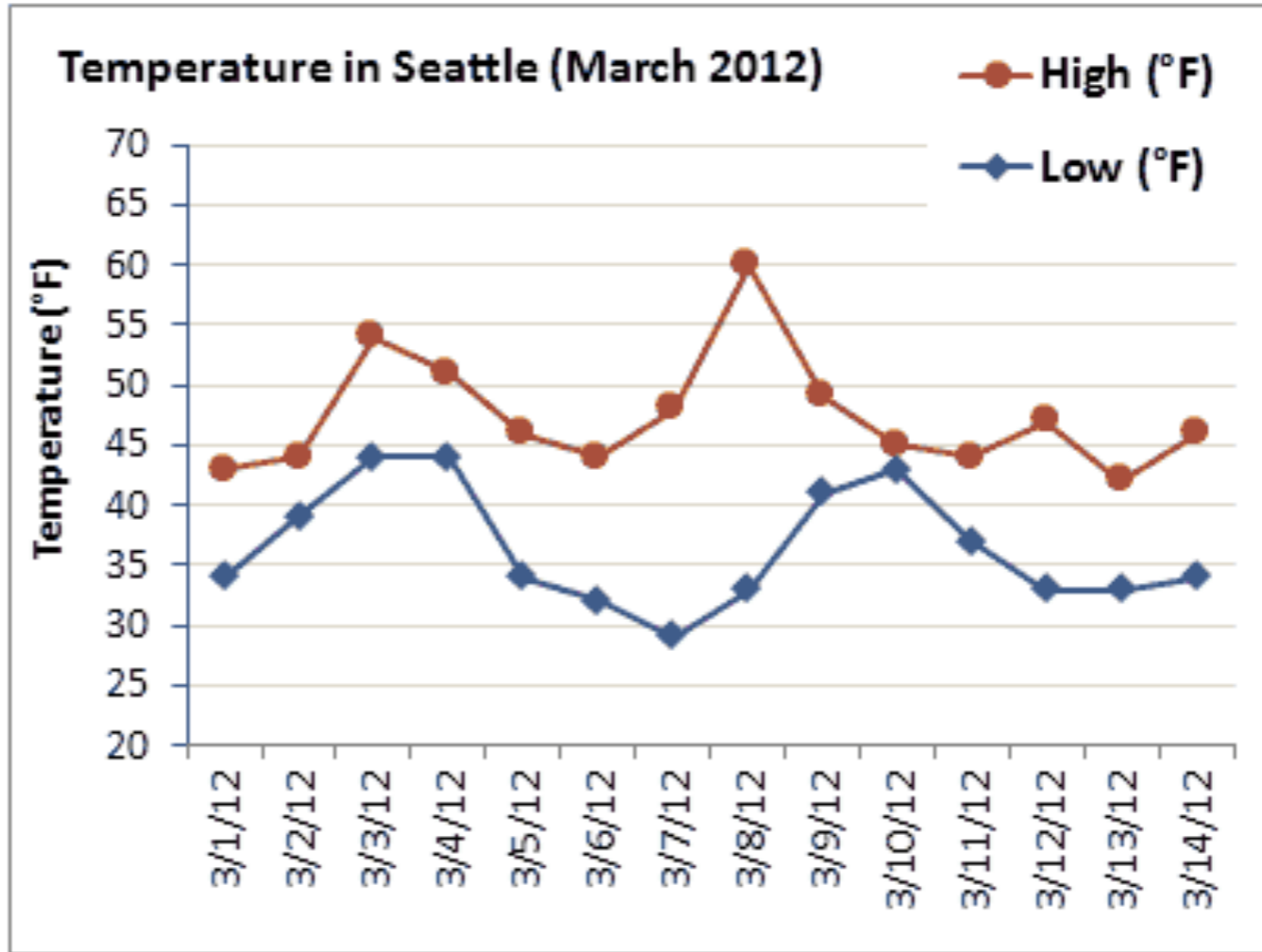
## Mitch's Savings

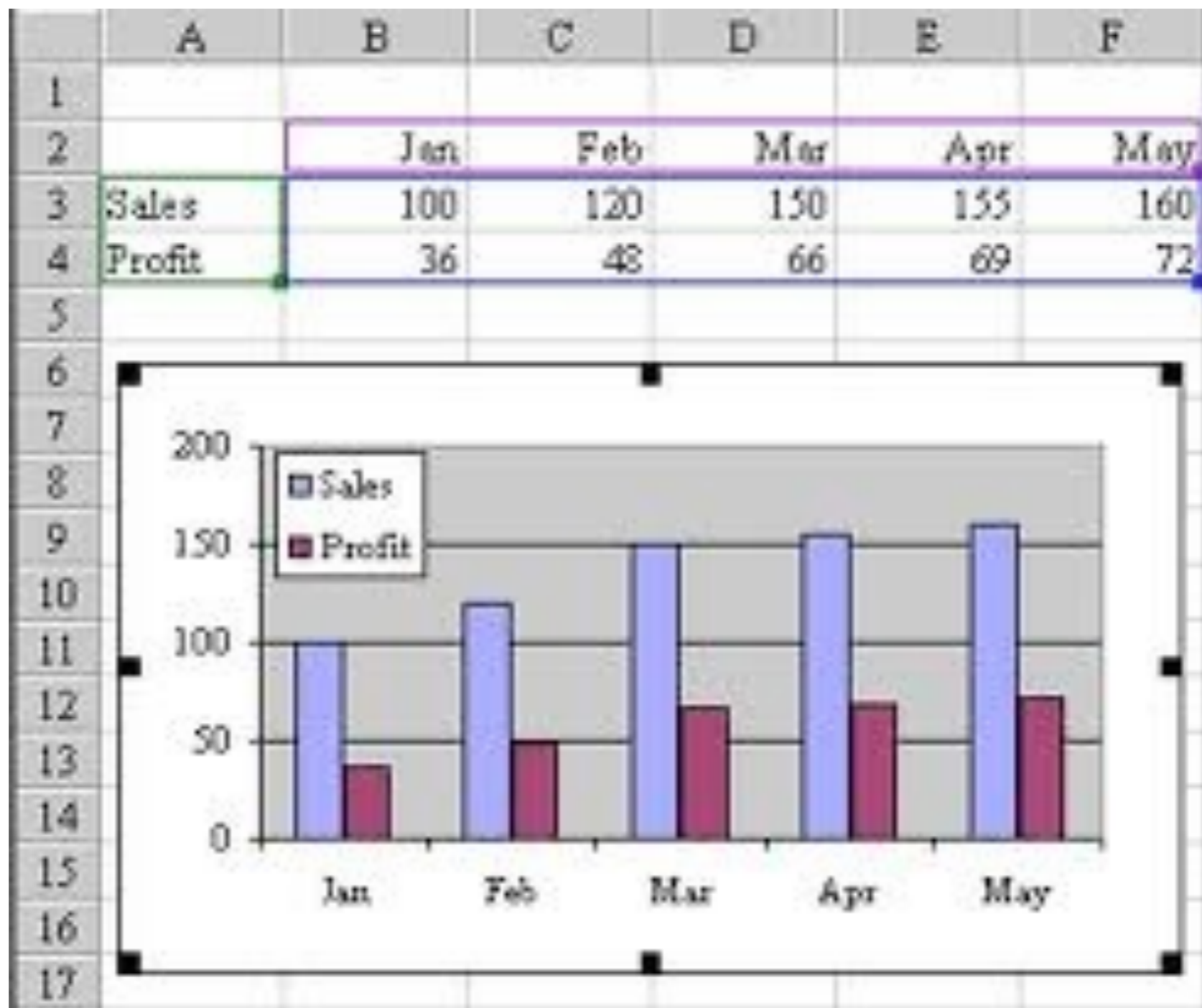


### Favorite Types of Music

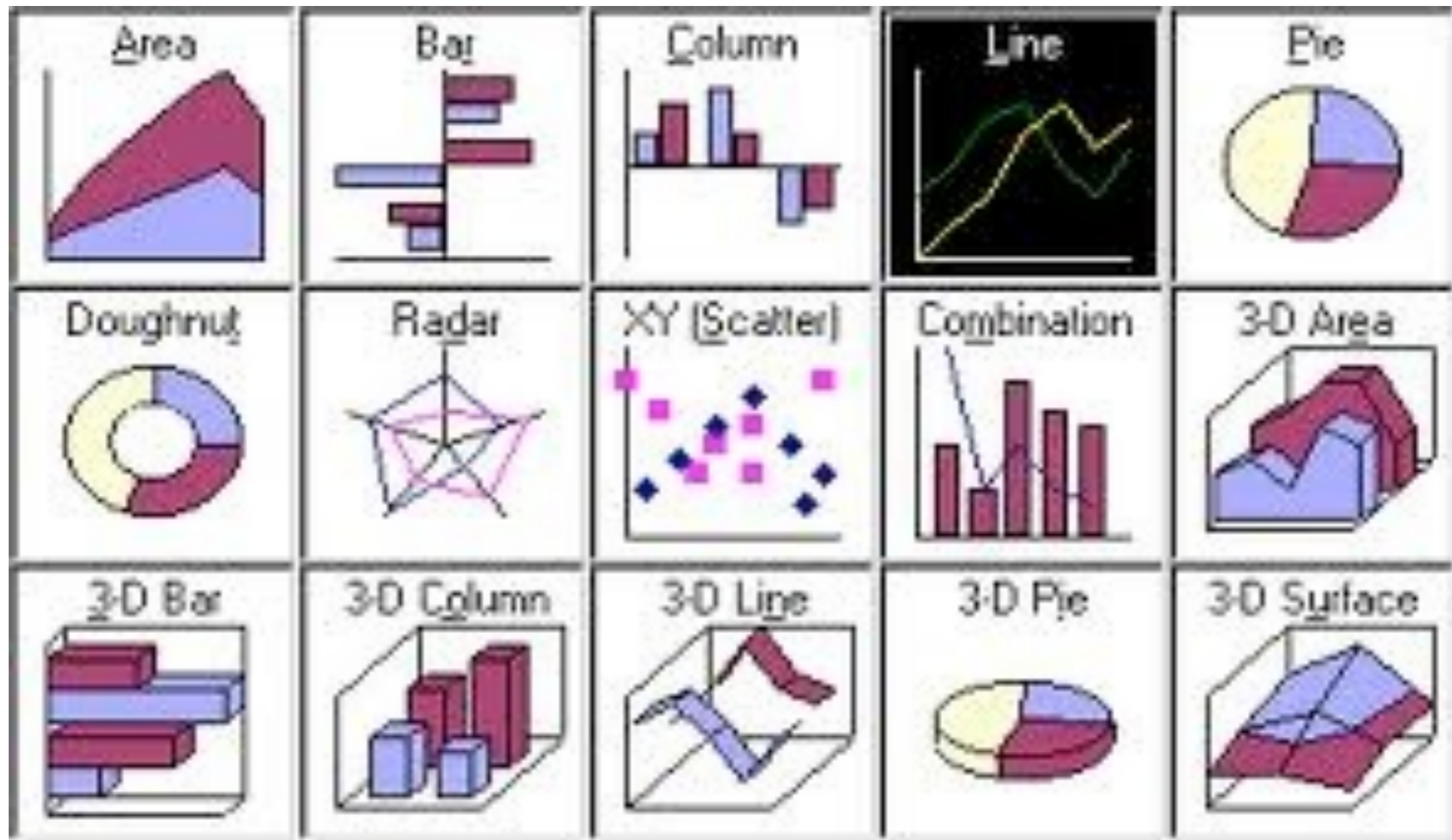


	A	B	C	D	E	F	G	H	I	J	K
1	Temperature Data for Seattle										
2	Date	High (°F)	Low (°F)								
3	3/1/12	43	34								
4	3/2/12	44	39								
5	3/3/12	54	44								
6	3/4/12	51	44								
7	3/5/12	46	34								
8	3/6/12	44	32								
9	3/7/12	48	29								
10	3/8/12	60	33								
11	3/9/12	49	41								
12	3/10/12	45	43								
13	3/11/12	44	37								
14	3/12/12	47	33								
15	3/13/12	42	33								
16	3/14/12	46	34								
34											
35		Chart type									
36		in Excel:									

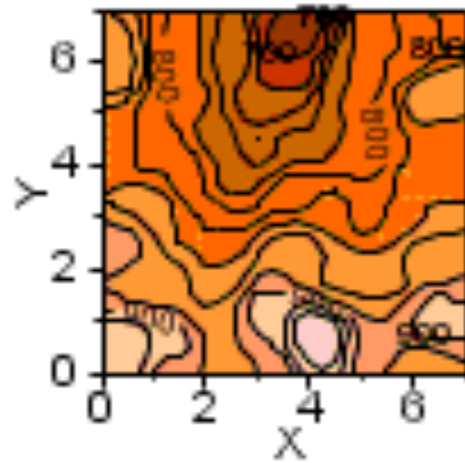




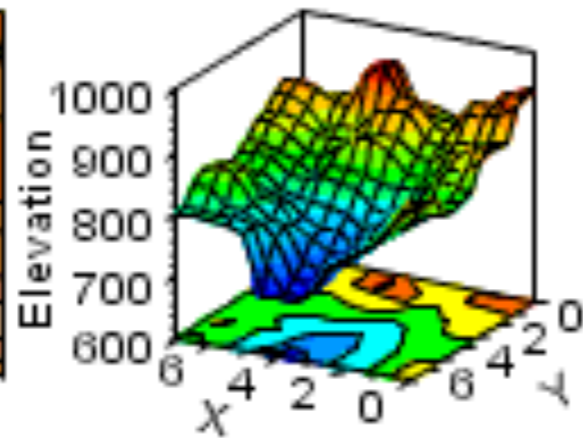
# Microsoft Excel Options



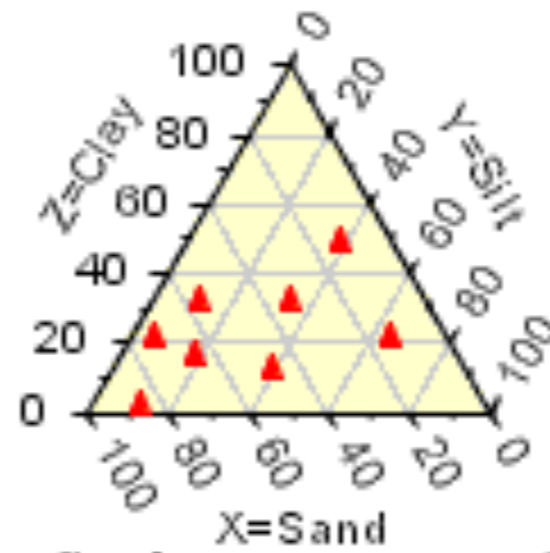
XY Graph



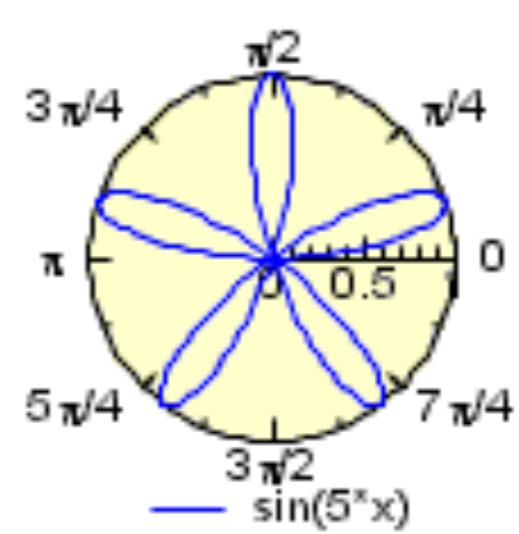
3D Graph



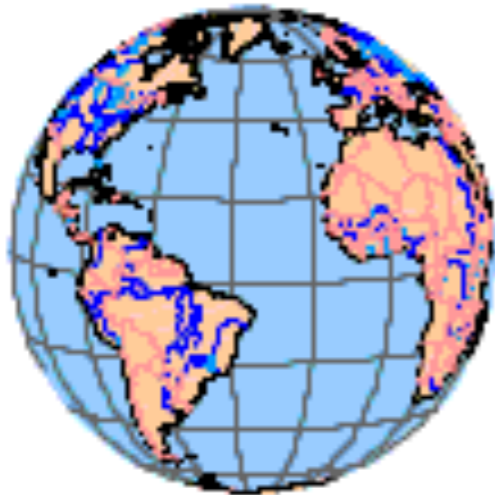
Triangle Graph



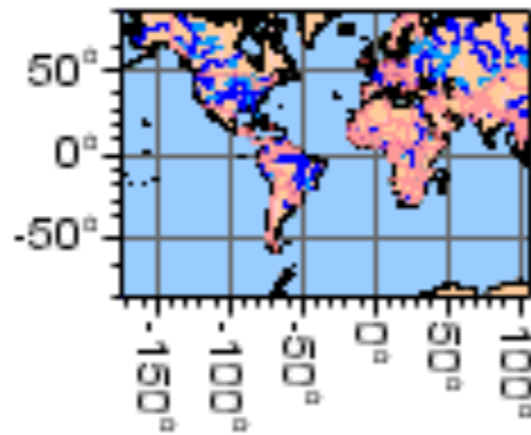
Polar Graph



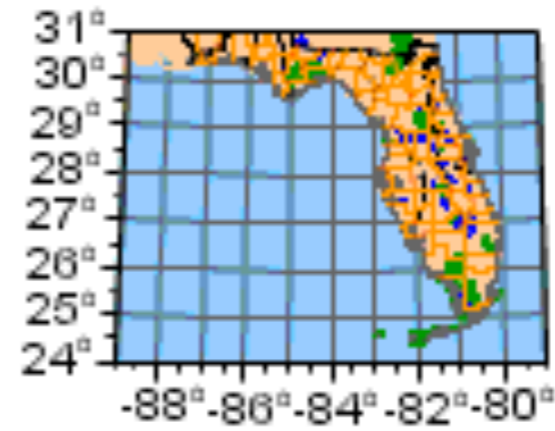
Orthographic Graph



Mercator Graph

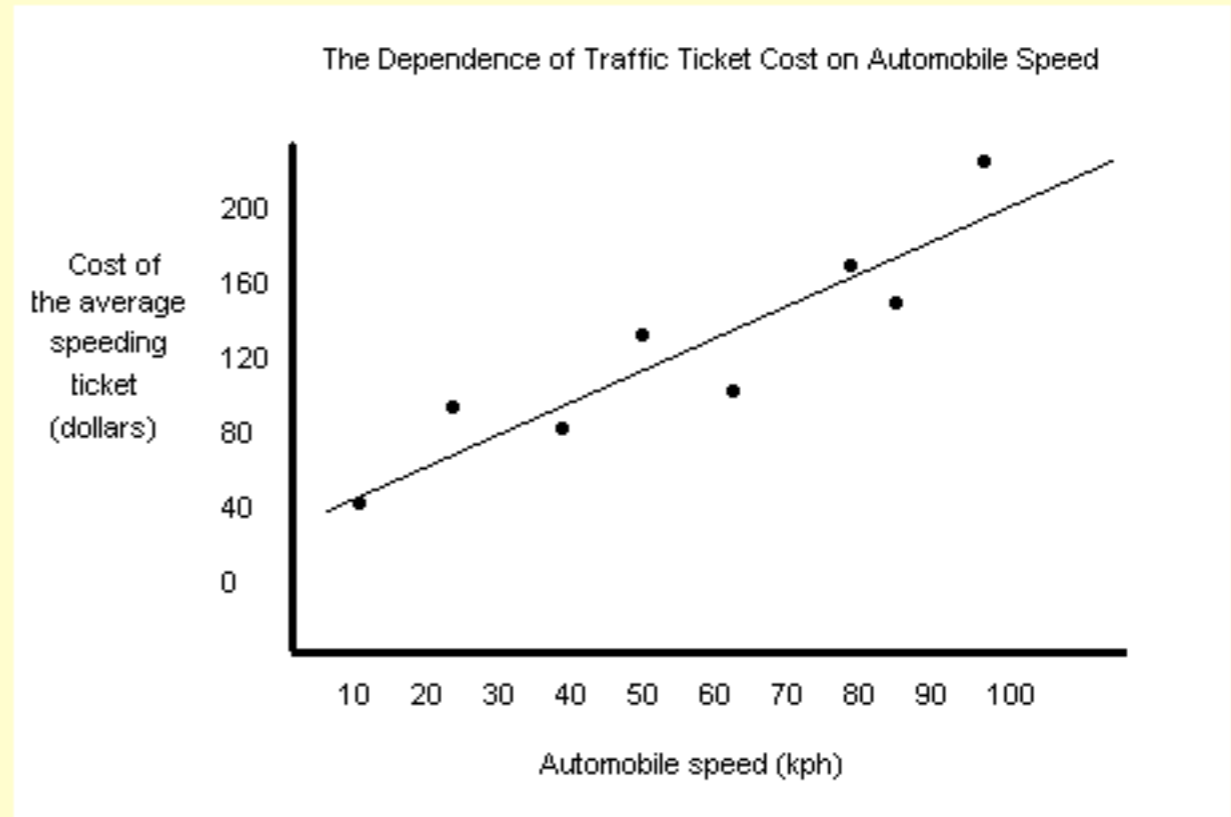


Conic Graph





## A good graph!



## A bad graph!

