Homework Questions

$P(5)$

$\frac{3}{16}$

1. Suppose you take a survey of all the schools in Colorado. What would you expect the relationship between the number of students and the number of teachers in each school to be?

positive correlation negative correlation no correlation

2. Which sets of data would most likely have a negative correlation?

a. the population of Detroit over a 10 year period and the population of Kansas City over the same 10 year period

b. the height of a person and that person's shoe size

c. the # of times a car stops to fill its gas tank and the amount of gas the tank can hold

d. the size of an animal and the amount of food it needs each day

Interpreting Graphs

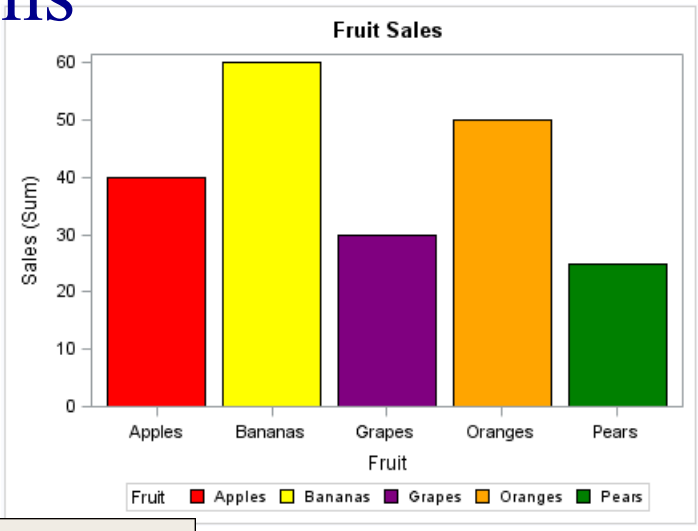
Bar charts Histograms

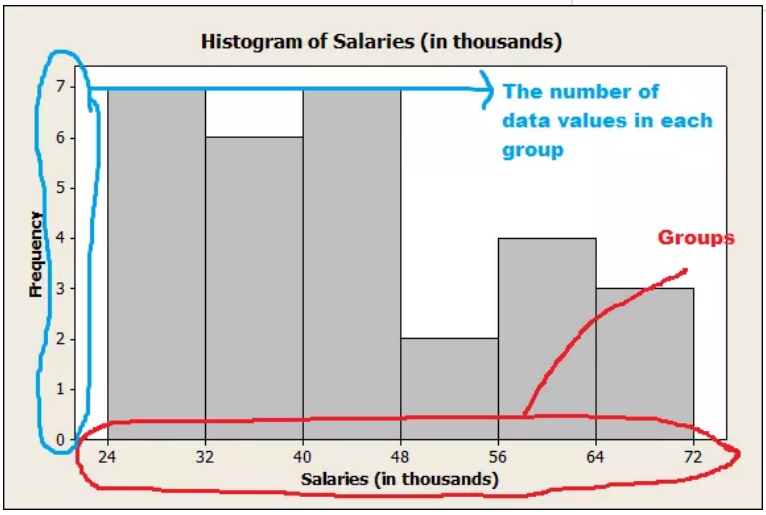
Pie Charts

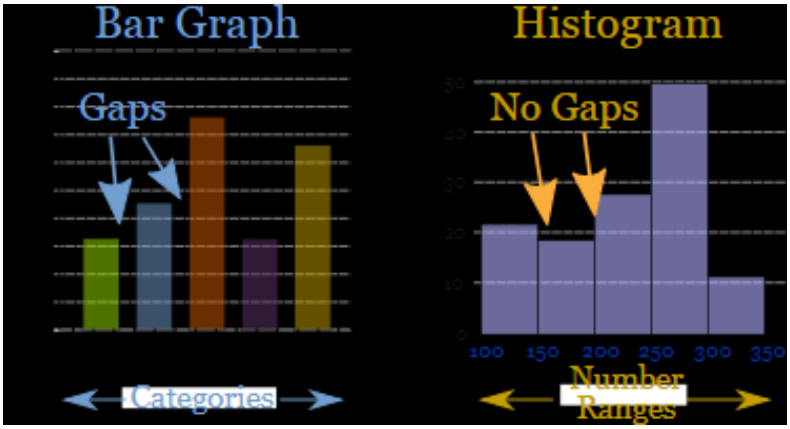
Dot Plots Line Graphs

Venn Diagrams

Box & Whisker Plots







Pie Charts

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Line Graphs

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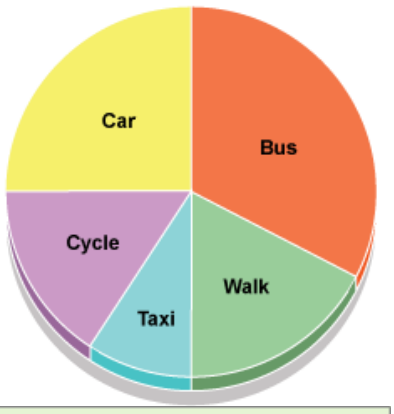
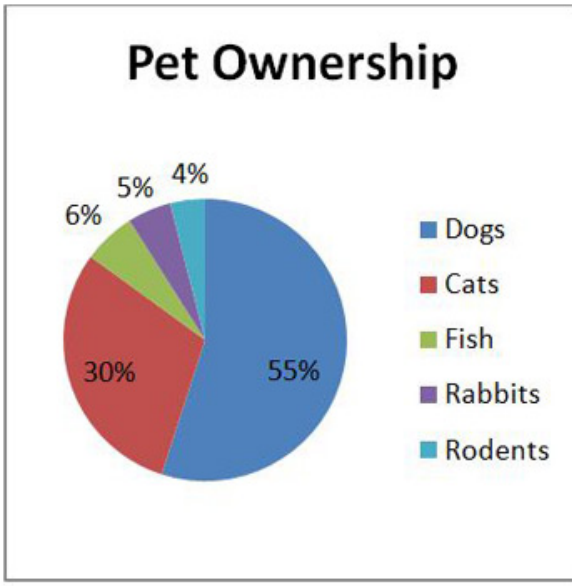
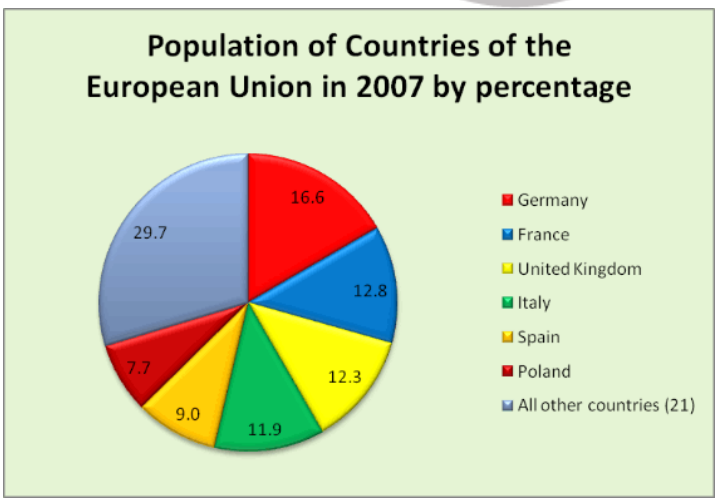
Box & Whisker







Dot Plots

Line Graphs

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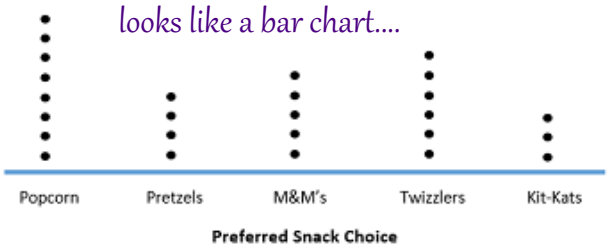
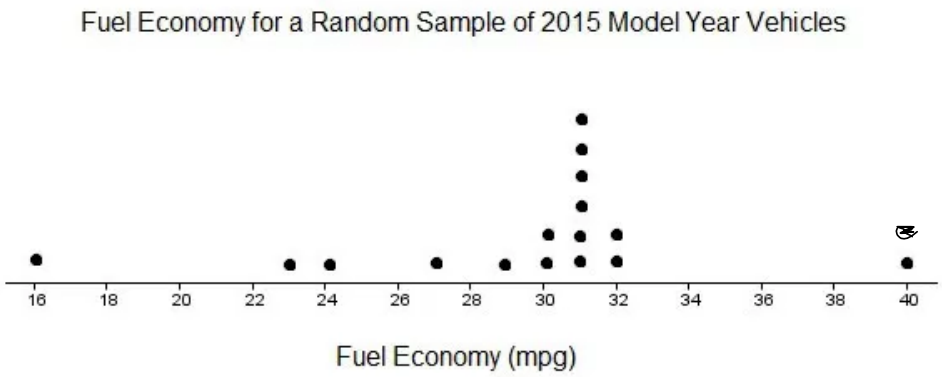
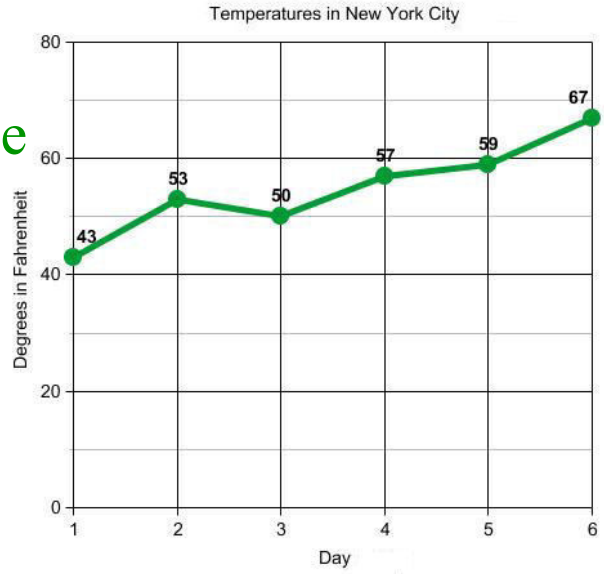


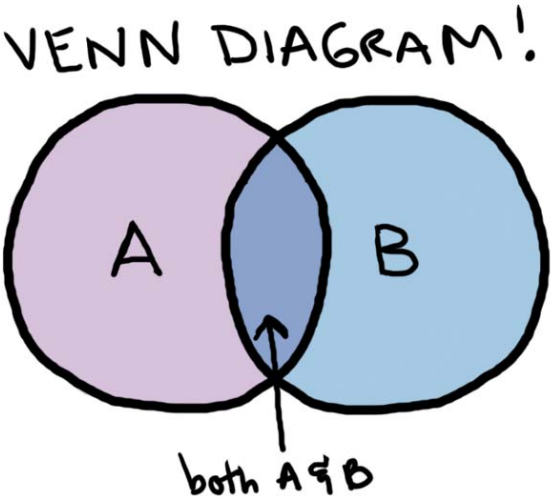


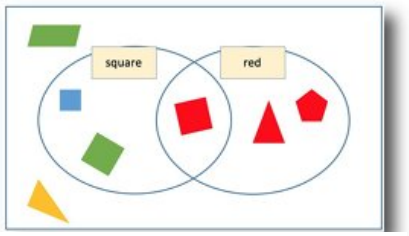
Line Graphs

Good Example

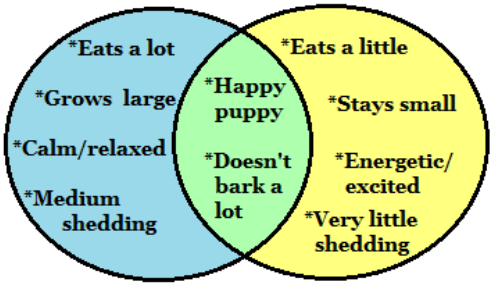


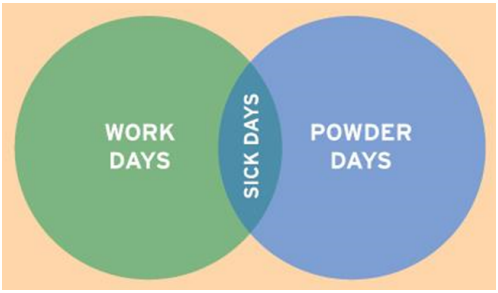
Bad Example

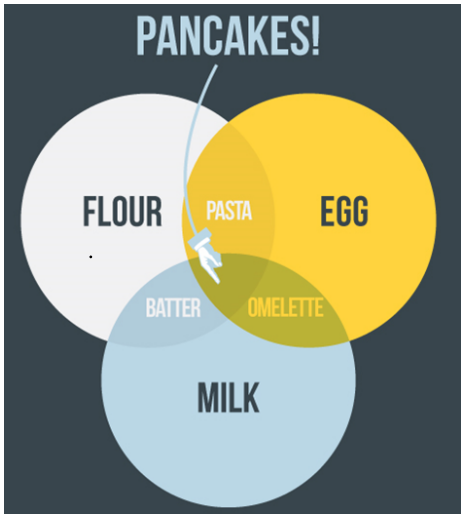


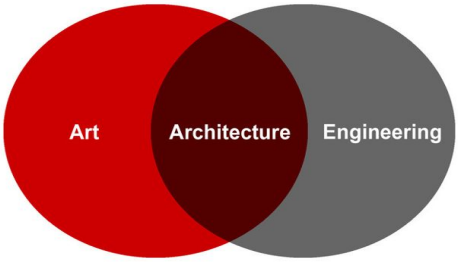


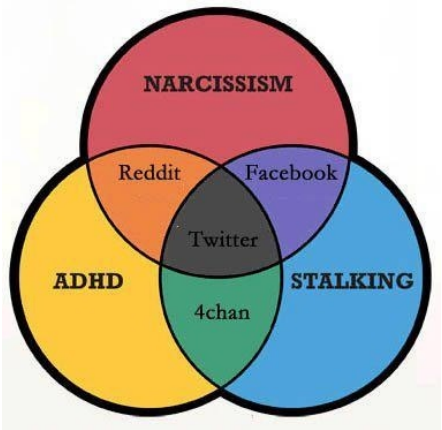
Great Dane Poodle

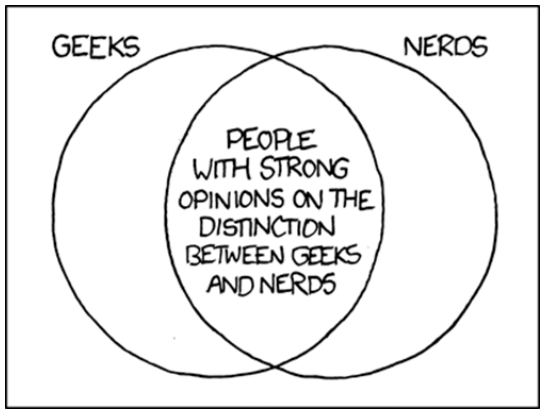


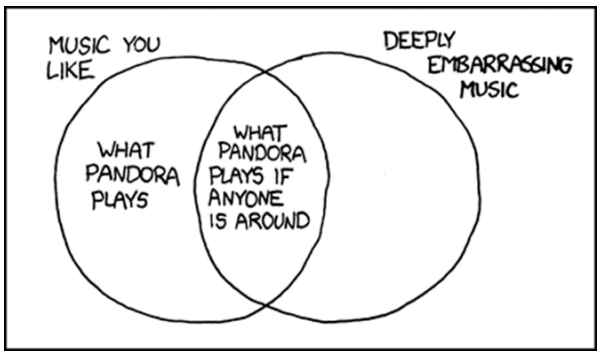




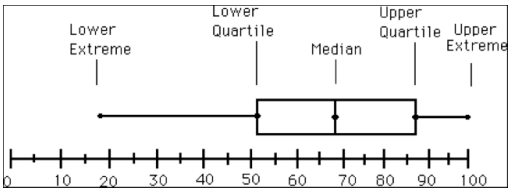






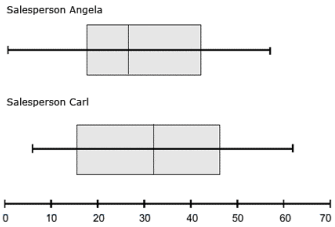


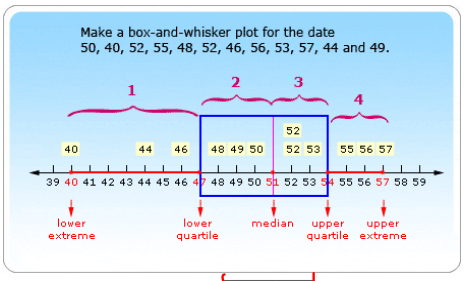
Box & Whisker Plots

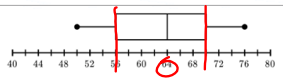


how to do on calc...

Figure 2. Carl's and Angela's box and whisker plots







The box plot suggests that about 25% of gyms in Shanesville have more than what number of gym members?

50 56 64 70 76

2.7 3.6 4.8 2.9

3.4 2.6 4.1 2.5

stems	Leafs
2	~~5~~ ~~6~~ 7 9
3	4 ~~6~~
4	~~1~~ ~~8~~

Key: 3|4 = 3.4

3.14 4.28 3.17

4.26 3.18 4.21

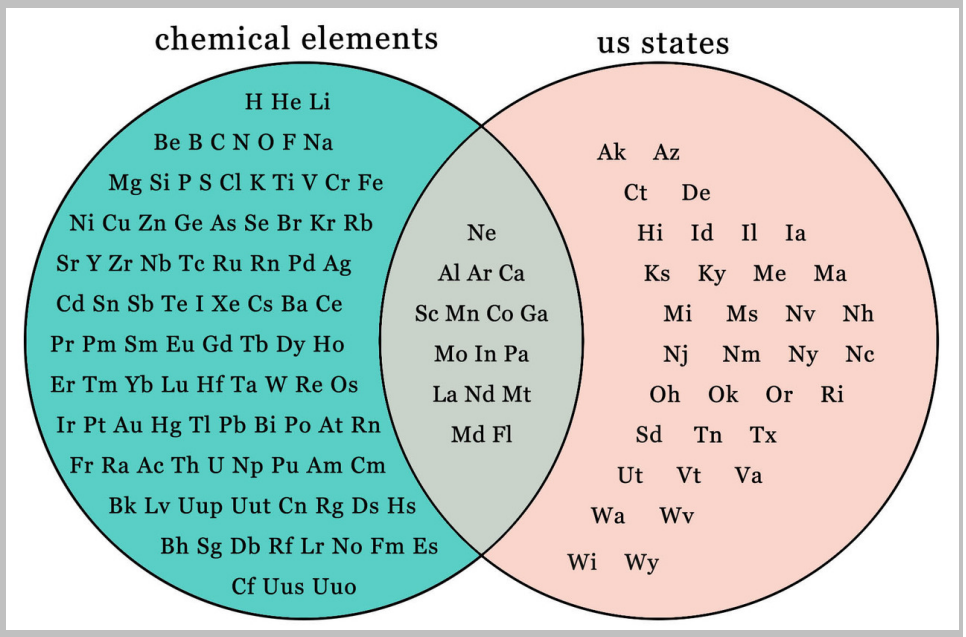
stems	leafs
31	4 7 8
42	1 6 8

Key: 31|4 = 3.14

Practice

pg 38... 1--7all, 10--15all

pg 52... 1, 2, 3, 5--9all

pg 242 #1

I ♡ Venn Diagrams