

We Can Visualize an Association
(Correlation/Relationship) Using:

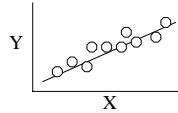
A



A

Group	No	Yes
Exp	50	40
Control	30	20

An X/Y



_____ Relationships

_____ - Often Illustrated as a

	High	Low
Men	55%	45%
Women	35%	65%

Data – The Starting Point

Person	Trait 1	Trait 2	Trait 3
1	1	1	0
2	1	0	0
3	0	0	1
4	1	0	0
5	0	1	1
6	0	1	2
7	1	1	3
8	0	1	1
9	1	1	1
10	1	0	0

Basic 2 x 2 _____

		Trait 2	
		No	Yes
Trait 1	No		
	Yes		

_____!

Group	Total	Heart Attack	No Heart Attack
Experimental Group Aspirin	100		
Control No Aspirin	100		

Correlation =

_____!

Group	Total	Heart Attack	No Heart Attack
Experimental Group Aspirin	100		
Control No Aspirin	100		

Correlation =

Group	Total	Heart Attack	No Heart Attack
Experimental Group Aspirin	100		
Control No Aspirin	100		

Correlation =

Group	Total	Heart Attack	No Heart Attack
Experimental Group Aspirin	100		
Control No Aspirin	100		

Correlation =

_____ versus _____

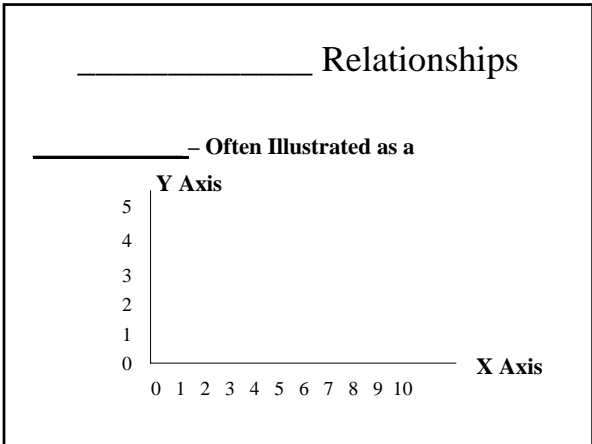
Relationships - Examples

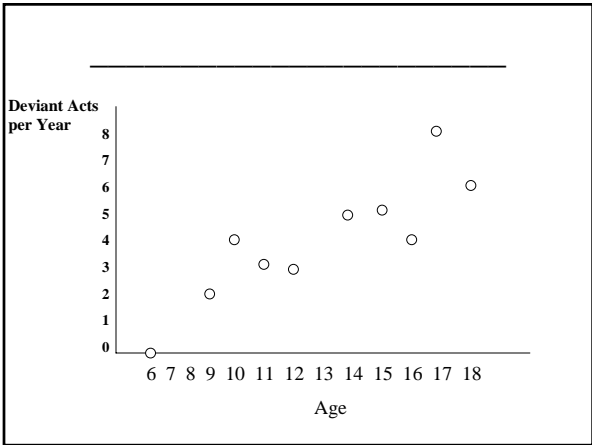
_____ – Does membership in group X predict _____

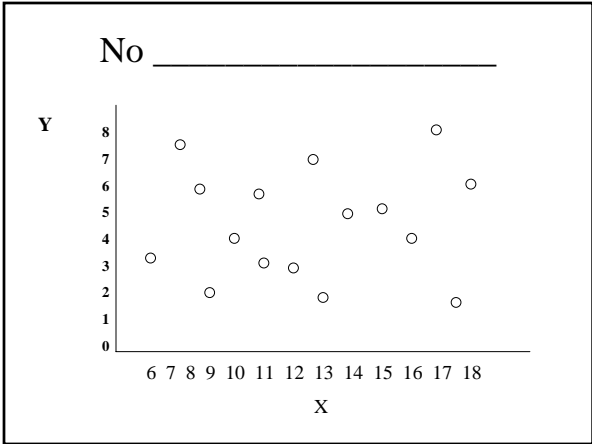
Example: Men are more likely to _____

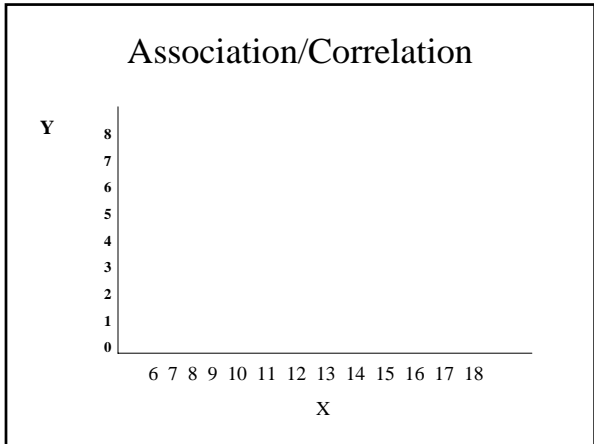
_____ – Does an increase in characteristic X predict a _____

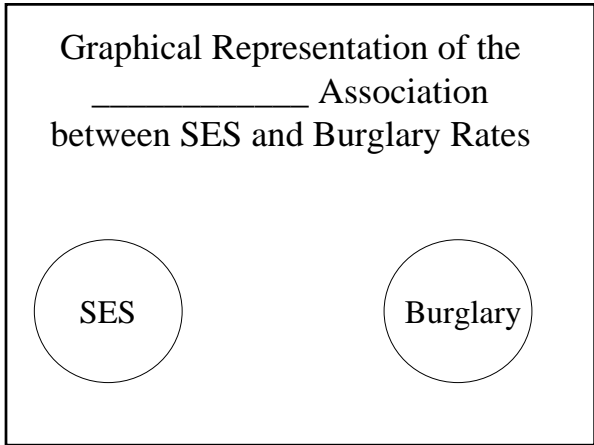
Example: As education increases individuals are _____

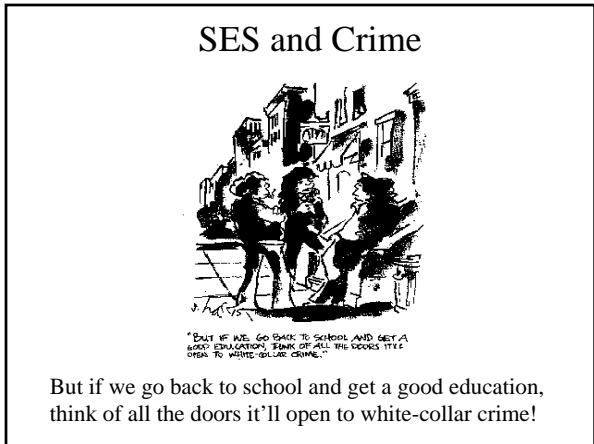




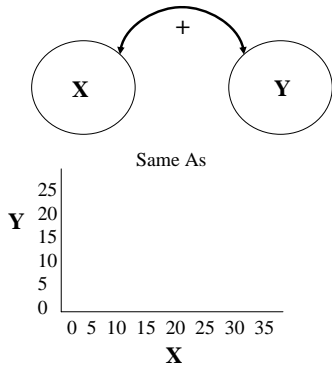




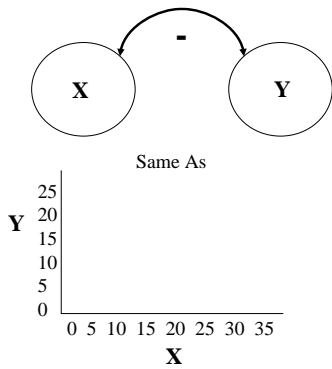




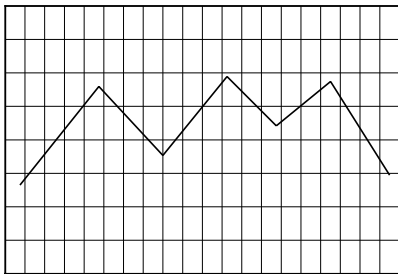
Correlation as a _____



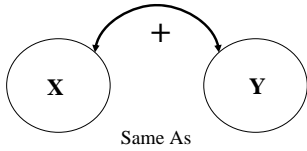
Correlation as a Diagram



What Does this Graph Represent?

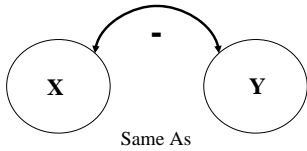


Correlation as a Diagram and Table



X	Y
Low	
Medium	
High	

Correlation as a Diagram and Table



X	Y
Low	
Medium	
High	

Are _____ Relationships Important?

		Prozac	
		No	Yes
Suicide	No		
	Yes		
