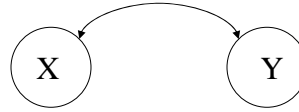


We Can Visualize an Association (Correlation/Relationship) Using:

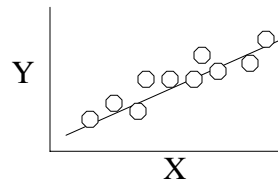
A



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

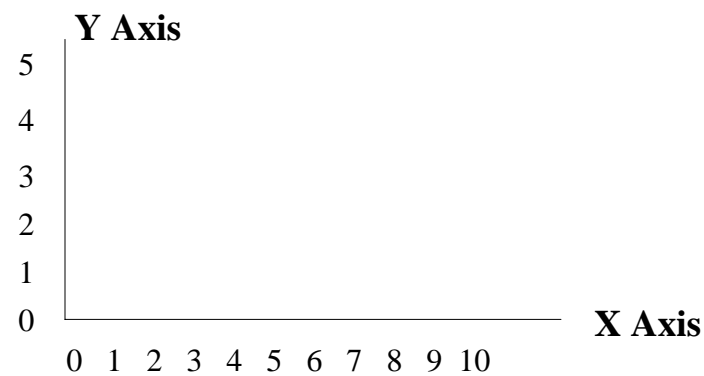
Example: Men are more likely to

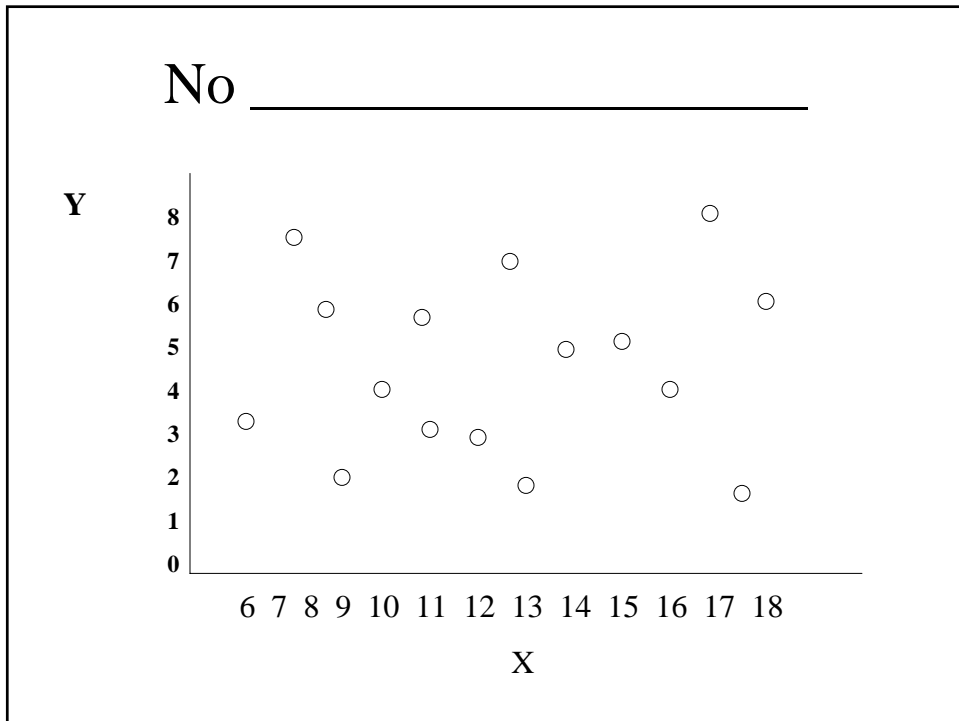
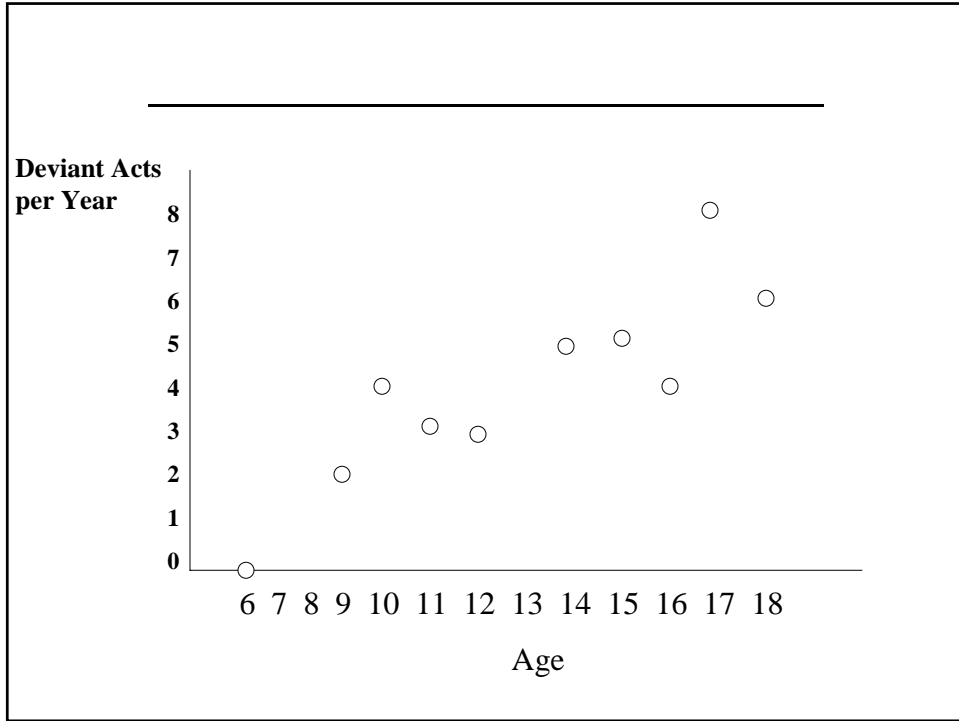
_____ – Does an increase in characteristic X predict a

Example: As education increases individuals are

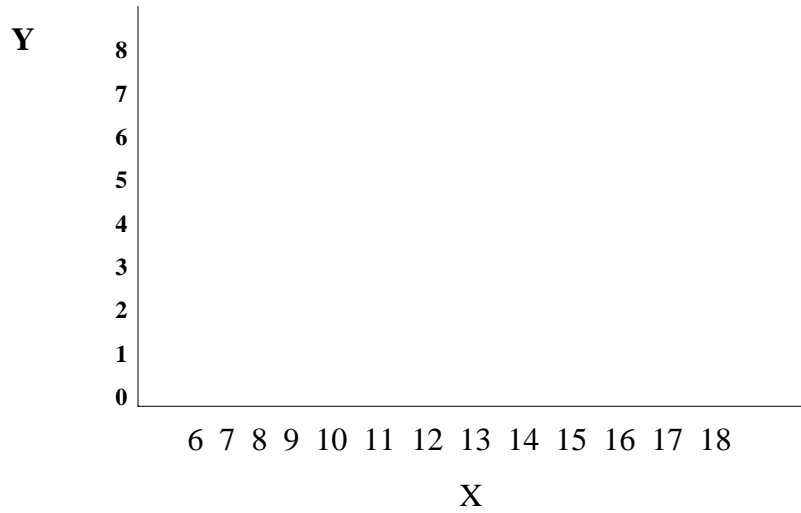
_____ Relationships

_____ – Often Illustrated as a

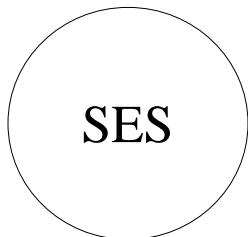




Association/Correlation



Graphical Representation of the
_____ Association
between SES and Burglary Rates



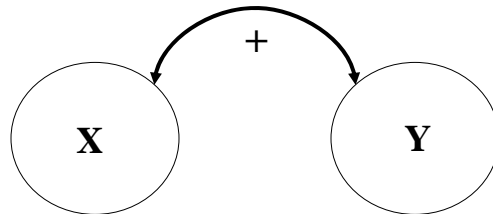
SES and Crime



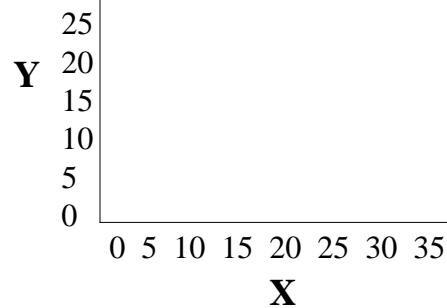
"BUT IF WE GO BACK TO SCHOOL AND GET A GOOD EDUCATION, BUNK OF ALL THE DOORS IT'LL OPEN TO WHITE-COLLAR CRIME."

But if we go back to school and get a good education, think of all the doors it'll open to white-collar crime!

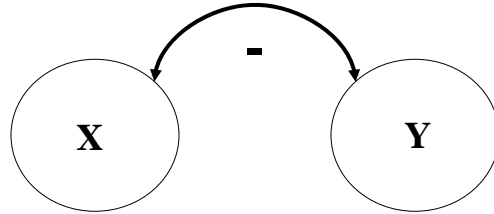
Correlation as a _____



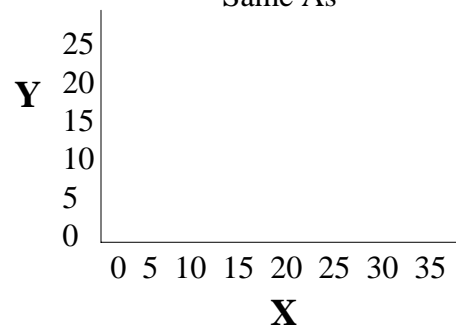
Same As



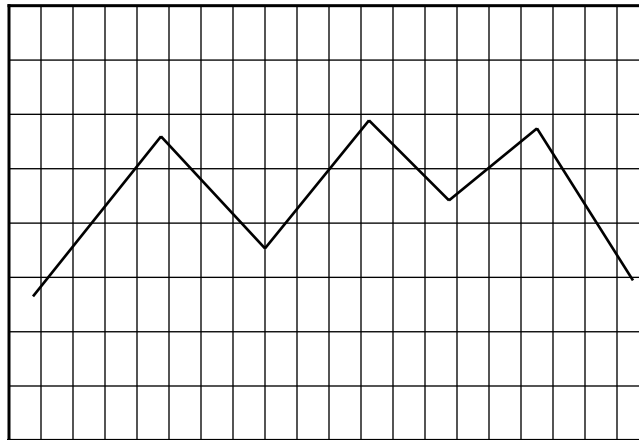
Correlation as a Diagram



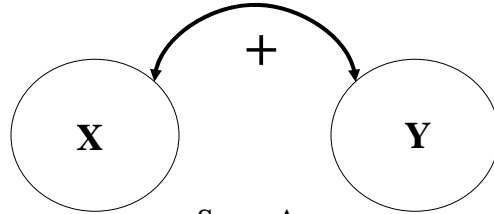
Same As



What Does this Graph Represent?



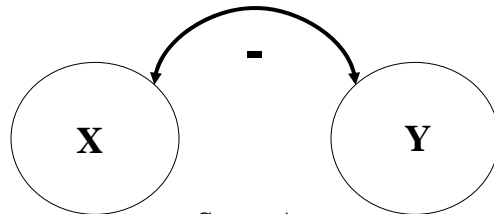
Correlation as a Diagram and Table



Same As

X	Y
Low	
Medium	
High	

Correlation as a Diagram and Table



Same As

X	Y
Low	
Medium	
High	

Are _____ Relationships Important?

Prozac

No Yes

Suicide

No

Yes
