Bivariate Data -Bivariate data are data with variables.						
-It consists of pairs of Lional numerical observations, or Treguences of things in						
-Numerical Bivariate data can be presented as Cycled Cars. Ordered pairs can be presented in a table of values, as a graph on the coordinate plane, or simply as a set of ordered pairs.						
-Give examples of Categorical Bivariate data: Age vs Height						
Gender us sports						
Data from two categories often uses a TWO - way Fyequency chart						
-Each Category is considered a Vanable, and the categories serve as						
-Two-Way Frequency Charts are made of						
The number in each <u>Cell</u> is the <u>frequency</u> of things that fit both the <u>row</u> and <u>column</u> categories for the cell.						
Example: At a local shopping center 34 females and 23 males were asked which of the two major political parties they preferred. Eighteen females and 12 males preferred Labor. Display these data in a two-way frequency table.						
Party Preference Female Male Total Labor 19 12 30 Liberal 19 12 27 Total 34 2 3 57						
The <u>categories</u> are the values that are <u>names</u> or <u>labels</u> .						
Name the categories in the example above: Gender VS colinical party						
Entries in the body of a two-way frequency table are called joint frequencies List the joint frequencies in the example above: Entries in the row and new column are called Marg. row Frequencies						
-Entries in the ward row and row column are called Marg, rol Frequencies List the marginal frequencies in the example above:						

	what is given	relative freque Marginal to you in the pro	_ rrequency. The blem,	marginal trequenc	y depends on
A 4		way table shows the	¥		
W	Whise Teal	2 16 19	10	8	20 30 50
42	a.) Fill in the table to	with relative freque		t÷whole	• 40 • 60
NN		120 = · lo		part ÷	gender to
44	l i	tional frequencies r		e Activity: PA	t: LA
8	ingen Lite Wanner	2/18 = :11 W/18 = :89	33	, 50 • SD	3
	Calculating Probabi You will be asked to INFORMATI	ilities/Percentages: o find probabilities DN _ in a table.	or percentages l	based on the	
	When calculating con. Under Une	onditional probabilities the giver			ngs:
	2. LOOK for:	"Given th	at "	looking at.) ot
	Formula for calcula		babilities:		
	7.	nariginal.	-		

Formula for calculating conditional probabilities:

Examples: Referring to the example above, answer the following questions:

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