

Relative Frequency, Independence, and Dependence

	Clown	Acrobat	Elephant Trainer	Total
Boys	3	2	8	13
Girls	2	4	1	7
Total	5	6	9	20

Joint Frequency: The cells in the middle.

Joint Relative Frequency: the ratio of the frequency in a particular category and the total number of data values.

Marginal Frequency: The cells on the margins or outsides.

Marginal Relative Frequency: the ratio of the sum of the joint relative frequency in a row or column and the total number of data values.

Conditional Relative Frequency: the ratio of a joint relative frequency and the relative marginal relative frequency. Conditional Relative Frequency has the word "given" in it.