The Relationship Probability Equation

The Relationship Probability Equation expresses the probability of being in a relationship as the product of several independent events: the probability of a common friendship, the probability of loving someone, the probability of someone loving you, the probability you of wanting to be in a relationship with someone, and the probability of someone wanting to be in a relationship with you. An easier example of independent events is the probability of flipping a fair coin and having it land heads up twice in a row, which is the square of the probability of that same coin landing heads up once, or

***H=h\*h***

, or

***H=h2***

, or

**.25=.52**

, when

* H=The probability of flipping a fair coin and having it land heads up twice in a row and
* h=The probability of flipping a fair coin and having it land heads up once.

The probability of being in a relationship can also be thought of as the product of the probabilities of several conditions that are independent events and that must be fulfilled before two people can be in a relationship. In order to be in one, an individual must be able to forge a friendship with another individual. If there is no chance of a friendship between two people, then the variable F will equal zero, and because of the multiplication property of zero,

x\*0=0

the probability of those people of being in a relationship is zero. Not only do two people have to be friends in order to be in a relationship, but both must also love each other. If one person loves the another, but the later does not love the former back, then the probability of being in a relationship is zero, which has happened to me on various occasions. Lastly, in order to be in a relationship, both people have to want to be in one. If an individual wants to be in a relationship, but no one wants to be in a relationship with that individual, then the probability of that individual being in a relationship is zero. This scenario often applies to someone who is in love with someone that is already in a relationship.

The whole equation is therefore expressed as the products of these five independent conditions, expressed as the five variables on the right side of the equation

***R=FLyRyLoRo***

, when

* R=The probability of being in a relationship
* F=The probability of a common friendship
* Ly=The probability of loving someone
* Ry=The probability of wanting to be in a relationship with someone
* Lo=The probability of someone loving you
* Ro=The probability of someone wanting to be in a relationship with you.

Now come to think of it, I forgot to factor one last variable into my equation:

* A=The probability that you will take action to start a relationship.

Because of the aforementioned zero property of multiplication, if the probability of you taking action to attempt to establish a relationship is zero, then the probability that you will be in a relationship is zero. In other words, stop reading this abstract explanation of statistics and, see that cute person across the lunch table, make a move.