# The Resistance Notes

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Bayes Rule/Theorem:

Describes the probability of an event, based on prior knowledge of conditions that might be related to the event, one of the many applications of Bayes theorem is Bayesian inference, a particular approach to statistical inference. When applied the probabilities involved in the theorem may have different probability interpretations. With Bayesian probability interpretation, the theorem expresses how a degree of belied, expressed as a probability should rationally change to account for the availability of related evidence. Bayesian inference is fundamental to Bayesian statistics.