Cross Impact (Cross Impact)
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Cross impact analysis

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Summary

Cross impact analysis is a further means of measuring the correlation between variables. It is most commonly used as a forecasting tool to identify how technological developments in one area will affect those in another, the strength of that influence and whether it makes the outcome more or less likely.

The major benefit of using a cross impact analysis is the ability to show how one situation impacts another situation. This is especially important since many of the other forecasting methods produce information in isolation.

Cross impact analysis is often thought of as an extension of the Delphi Survey. Like its name entails, it involves identifying and evaluating the impact of trends or events upon each other. Cross impact analysis is commonly used as part of an expert–opinion study, which is why it can be considered part of the Delphi technique. It is useful in exploring a hypothesis and in finding points of agreement and divergence.

Cross impact analysis involves constructing a matrix to show the interdependencies of different events. A matrix lists the set of events or trends that may occur along the rows, and the events or trends that would possibly be affected by the row events along the columns. Respondents are then required to assess how the occurrences in each of the rows affect the probability of the event in the corresponding column. The person analysing the results can average the responses to generate a summary; this summary is known as a cross impact analysis.

Sources

http://www.voctech.org.bn/Virtual_lib/Programme/Regular/Emerging99/Cross%20Impact%20Analysis.htm#Top
http://www.nanoaging.com/wiki/Cross−impact_analysis