

# Quantitative analysis

Quantitative analysis is a method of [data analysis](#) that involves the use of numerical data and statistical methods to identify patterns, relationships, and trends. This type of analysis is used in a variety of fields, including science, finance, economics, and market research.

In quantitative analysis, data is collected and organized into categories or variables that can be measured and analyzed using statistical techniques. These techniques include descriptive statistics, such as mean, median, and mode, as well as inferential statistics, such as hypothesis testing and regression analysis.

Quantitative analysis is often used to answer research questions that require objective measurements or to test hypotheses that can be quantified. It can also be used to identify correlations and causal relationships between variables, to make predictions about future trends or outcomes, and to evaluate the effectiveness of interventions or treatments.

Some common examples of quantitative analysis include surveys, experiments, and financial analysis. This type of analysis can provide valuable insights and help inform decision-making in a wide range of fields.

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