What is a Research Hypothesis?

A research hypothesis is a foundational element in both types of methods, qualitative and quantitative. It is a precise statement that can be tested and predicts a possible relationship between two or more variables. The hypothesis is developed on the basis of theories, observations, or previous research and it aims to provide a direction for further investigation.

A research hypothesis starts with a question a researcher is trying to answer in the thesis. It implies its effect or outcome and provides a basic ground to construct investigations, surveys, or other methods. It explains what a researcher can expect to find. Once the expectations are clearly stated, a researcher will build the methodology by choosing methods and tools for data collection and analysis.

Here are some examples of Research Hypothesis-----

Hypothesis in Education field

Students who receive personalized tutoring in math will perform better on standardized tests than those who do not.

-----Independent Variable: Personalized tutoring in math.

------Dependent Variable: Performance on standardized tests.

Hypothesis in Economics

Hypothesis-

Increasing the minimum wage will decrease employee turnover rates in the retail sector.

-------Independent Variable: Minimum wage increase.

-------Dependent Variable: Employee turnover rates in the retail sector.

The importance of a hypothesis in research-

Hypothesis serves many crucial functions in the scientific inquiry process which is key reason for fundamental to research.

Defines the Variables- A well-formulated hypothesis specifies the independent and dependent variables that defines the object of manipulation and measurement. According to the definition, the hypothesis is an assumption about the relationship between the objects of study. The hypothesis is a predictive statement that can be tested empirically……