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Experiment Method

The Experimental Method. The experimental method is usually taken to be the most scientific of all methods, the 'method of choice'. The main problem with all the non-experimental methods is lack of control over the situation. The experimental method is a means of trying to overcome this problem.

It is observation under controlled conditions. In this method the investigator tries to study the cause and effect relationships regarding human behavior by performing experiments. There are three types of variables. Independent variable, depend variable and intervening or controlled variable.

Advantages of Experimental Research

It gives teachers a high level of control. ...

It allows teachers to utilize many variations. ...

It can lead to excellent results. ...

It can be used in different fields. ...

It can lead to artificial situations. ...

It can take a lot of time and money. ...

It can be affected by errors.

Disadvantages of Experimental Method.

They may be more expensive and time consuming.

This makes it difficult for all topic to be taught by experimental method.

A teacher should be expert in the specific and all subject.

Equipments should be available in lab.

It is risky for the new students.