



**I'm not a robot!**

## What are the advantages and disadvantages of demonstration method

### What are the advantages and disadvantages of demonstration method of teaching.

Advantages and disadvantages of demonstration method of teaching This strategy improves the understanding of complex skills and principles. Students can pay their attention and follow along with the learning process. Knowledge becomes permanent because this method requires different human senses. Where the demonstration method is mainly used?

**Advantages of demonstration Method:**

- activates several senses and visibly showing a process
- Complex skills become more understandable
- Provides experiential learning
- Clarifies underlying principles
- Correlates theory and practice
- Commands interest
- Evaluate
- Facilitates return demonstration.

This strategy is applied mainly in technical or training institutes. In teacher education programs it is used to develop skills in the student teacher. At school level, a teacher applies it in teaching science, biology, nature study arts and crafts. Why demonstration method is used?

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A method demonstration is a teaching method used to communicate an idea with the aid of visuals such as flip charts, posters, power point, etc. The key to a good demonstration is for the audience to be able to go home and do what you have taught them how to do. What is the difference between demonstration and result demonstration? Method demonstrations basically show farmers how to do something. It is also vital that the demonstration be well thought out and competently conducted. Result demonstration. The main purpose of a result demonstration is to show local farmers that a particular new recommendation is practicable under local conditions. What are the two types of demonstration approach? There are two general kinds, or types, of demonstration- Method Demonstration and Result Demonstration. Method Demonstration These show how to do something. They involved the materials used in the job being taught, show what is done, how it is done, and explain each step as it is taken. What are the characteristics of good demonstration method? Characteristics of demonstration method (1) The demonstration should be done in a simple way. (2) In this strategy, attention is paid to all students. (3) Goals and objectives of demonstration are very clear. (4) It is a well-planned strategy. How should demonstration done? For effective demonstrations: Prepare ahead.

Everything should be ready to go before any presentation. Practice the demonstration. Make the demonstration visible. Present the demonstration to the audience. Get the audience involved. Encourage responses. Keep demonstration simple. Practice showmanship. What is a demonstration example? The definition of demonstration is a proof or example of something. When protesters get together to show their presence and support, this is an example of a demonstration. When a child shows the class his science project works, this is an example of a demonstration. The demonstration method in teaching can be defined as giving a demo or performing a specific activity or concept. In other words, the demonstration method is a teaching-learning process carried out in a very systematic manner. Demonstration often occurs when students have a difficult time connecting theories to actual practice or when students are unable to understand the application of theories. In order to ensure, the demonstration method is a success, three things need to be followed-(a) The object being displayed during the demonstration method should not be very small.(b) During the demonstration method, clear and simple language should be used so that pupils may understand concepts easily.(c) The pupils should be able to question teachers in order to remove their difficulties.The demonstration method is a great way to call for active participation from the students. A lot of time teachers can ask the students to participate while presenting to the class. This keeps them interested throughout rather than getting bored as compared to lectures where they have to sit quietly for hours and listen. It is a practical way of teaching where a complex or difficult topic can be easily explained with the help of charts, and many other props. Characteristics of Demonstration MethodSome of the basic characteristic features of the demonstration method are-(1) The demonstration should be carried out in a simple and easy manner. way.(2) In this strategy, full attention should be paid to all the students in the class.(3) Goals and objectives of the demonstration should be very clear.(4) It should be carried out with a well-planned strategy.(5) A set time should be dedicated to the rehearsal before the demonstration. Steps of Demonstration methodThere are six steps of the demonstration method of the teaching process.(1) Planning and preparationProper detailed planning is a prerequisite for a good demonstration. For this, the following points should be kept in mind.Thorough detailed preparation of the subject matter.Well-structured lesson planning.Complete collection of material for demonstration.Rehearsal of demonstration. In order to ensure the success of the demonstration method of teaching, the teacher should prepare the lesson minutely and very seriously.(2) Introduction of the lessonThe teacher should always try to motivate students and prepare them mentally for the demonstration method.The teacher should introduce the lesson to students keeping in mind the following things.Individual differencesEnvironmental setupDifferentiated ExperiencesThe lesson can also be started with some simple and interesting experiments, some fascinating stories, or a common event that everyone can relate to. (3) Presentation of the subjectIn the demonstration method of teaching, the presentation of subject matter is very important. The principle of reflecting thinking should be kept in mind. The teacher should attempt to teach the student in such a way that their previous knowledge can be attached to their new knowledge, thereby further enhancing it.

### PURPOSE OF DEMONSTRATION

- Teaching a skill, concept or principle.
- Delicate and dangerous experiments involving careful manipulation.
- Experiments involving difficult and complex operations.



(4) Demonstration methodThe performance of the demonstration table should be ideal for the student. The demonstration should be neat and clean.(5) Teaching AidsThe teacher can use various teaching aids like models, blackboard, graphs, etc.

**Features of RapidMiner**

- Rapid Miner is a environment for machine learning and data mining processes
- It provides Drag and Drop interface to design the analysis process
- It has compatibility with various databases like oracle, MySQL, Excel, SPSS, Microsoft SQL server etc.
- Rapid Miner uses XML to describe the operator tree making knowledge discovery process
- It includes 100 learning schemes for regression, classification and clustering analysis
- Rapid Miner includes many learning algorithms from WEKA
- Specialized for Business solution that include predictive analysis and statistical computing

**Advantages of RapidMiner**

- RapidMiner offers numerous procedures, especially in the area of attribute selection and for outlier detection
- Has the full facility for model evaluation, including cross-validation and independent validation sets
- Offers 1,500 methods for data integration, data transformation, analysis and, modelling as well as visualization – no other solution on the market offers more procedures and therefore more possibilities of defining the optimal analysis process
- It provides the integration of maximum algorithms of such tools
- It has enormous flexibility.

**Disadvantages of RapidMiner**

- Limited partitioning abilities for dataset to training and testing sets.
- Most suited for people who are accustomed to working with database files, such as in academic settings or in business settings. The reason for this is that the software requires the ability to manipulate SQL statements and files.

during the demonstration.(6) EvaluationIn this last step, evaluation of the whole demonstration should be done, so that it can be made more effective and efficient for the future.Why should teachers use the demonstration method?Teachers should use demonstrate method because-It develops an interest in the learners and fosters active engagement from them. It helps in involving various senses to make learning permanent.Any complex topic can be easily explained with this method.It also involves active participation from the students.These demonstration methods should often be followed by a group discussion so students get a chance to revise what they have learned during the class.

Advantages of demonstration method of teachingThe demonstration method of teaching is quite advantageous for students. Given below are some benefits of this learning method. It improves the understanding of complex topics and principles. Students can pay attention easily and follow the learning process. Knowledge gained during the demonstration method becomes permanent because it requires different senses. It leads to permanent learning. It also accounts for the principles of reflective thinking. Students are motivated to study and gain the necessary skills. It is beneficial in achieving a psychomotor objective. There is no wastage of time because the student sees the process live and understands how to apply theoretical knowledge practically. It helps the students in having a deeper understanding of the subject. It keeps students engaged and active throughout the teaching-learning process. It helps in the creation of interest among students and imparts maximum learning. It also helps in arousing the spirit of discovery among students. ConclusionIt is the most suitable method for teaching students of all age groups, especially in higher classes. If a teacher feels that the demonstration is taking much time then he would have to take the help of students. Similarly, a small group of students can be invited to the demonstration table. Students can also demonstrate the experiments. This might help in removing objections regarding the non-availability of the learning by doing approach.Teachmint is the leading ed-infra provider helping educational institutions improve their efficiency. With our offerings like LMS, attendance management, fee management system, and more, institutes can boost their productivity manifold.

**Method** **Advantages** **Disadvantages**

Standardization Index	Easy to interpret, can weight scores	Discrete matching, no test for statistical significance
Mantel-Haenszel	Small samples, effect size guidelines	Statistical test with good power, Type I error
Logistic Regression	Statistical test with good power, Type I error	Problems with group proficiency mismatching variable, can detect non-uniform DIF, can handle polytomous data, can use minimum sample size available in most statistical software packages, effect size guidelines
Lord's chi square	Statistical test with good power, Type I error control	Requires relatively larger sample size and assessment of model fit, nc

The demonstration method is restricted to only certain kinds of teaching situations. The "Result" type of demonstration may take considerable time and be rather expensive. Demonstration may require a large amount of preliminary preparation. What is demonstration as a method of teaching? A method demonstration is a teaching method used to communicate an idea with the aid of visuals such as flip charts, posters, power point, etc. A demonstration is the process of teaching someone how to make or do something in a step-by-step process. As you show how, you "tell" what you are doing. What are the advantages of lecture demonstration? Advantages of Demonstration Method It helps in involving various sense to make learning permanent Though, teacher behavior is autocratic, he invites the cooperation of pupils in teaching learning process It develops interest in the learners and ... What are the characteristics of demonstration method? Characteristic of demonstration method (1) The demonstration should be done in a simple way. (2) In this strategy, attention is paid to all students. (3) Goals and objectives of demonstration are very clear. (4) It is a well-planned strategy. What are the advantages and disadvantages of lecture method in teaching? Advantages and Disadvantages of the Lecture Method Lectures are the cultural norm of adult education. Lectures inflate the trainer's ego. Lectures do not require extensive preparation. Lectures permit efficient coverage of content in a limited time. Lectures can reach a large group at the same time. What are the advantages and disadvantages of demonstration method of teaching? Advantages and disadvantages of demonstration method of teaching This strategy improves the understanding of complex skills and principles. Students can pay their attention and follow along with the learning process. Knowledge becomes permanent because this method requires different human senses. More What is an example of method demonstration? The method demonstration practice of teaching involves showing students how to complete a project or task by doing the task as opposed to listening to a lecture and writing notes. For example, lab experiments, pottery making and cooking workshops are examples of method demonstration instruction techniques. Why does knowledge become permanent in demonstration method? Knowledge becomes permanent because this method requires different human senses. What is disadvantage of demonstration method? Disadvantages of method demonstration include the risk of too many participants being involved and a potential shortage of time, resources and facility space, which limits the hands-on opportunities of the participants. What is demonstration strategy? Demonstration Strategy focus to achieve psychomotor and cognitive objectives. If we talk about its structure, it is given in three successive steps: Introduction: In this step objectives of the lesson are stated. The teacher may be called demonstrator.