



Question ✔ Answered step-by-step

It is an experimental design that assesses the effect of having been pretested on the magnitude of the treatment effect. Participants are randomly divided into four groups, and each group experiences a different combination of experimental manipulations: the first group (A) receives the pretest, the treatment, and the Posttest; the second group (B) receives only the treatment and Posttest; the third group (C) receives the pretest, no treatment, and a posttest; and the fourth group (D) receives only a posttest.

- A. Pretest-Posttest
- B. Quasi-Experimental
- C. Solomon four-group
- D. Survey
- E. Correlational
- F. Ex Post Facto
- G. None of the choices

A research design described the performance level of first-year students in reading comprehension skills and performance in Mathematics. It explained the significant difference between private and public high school students' overall performance in the two learning areas. It further investigated how related all the elements of reading skills to students' performance in Mathematics are.

- A. Pretest-Posttest
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- F. Ex Post Facto
- G. None of the choices

The study examined the ICT capability of CHMSC faculty members about selected variables. The study intended to provide a clearer representation of CHMSC faculty members skill and capabilities in using technology-based delivery system for instruction.

- A. Pretest-Posttest
- B. Quasi-Experimental
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- E. Correlational
- F. Ex Post Facto
- G. None of the choices

Using a research design, researchers examined the effectiveness of the Get Ready to Learn (GRTL) classroom yoga program among children with autism spectrum disorders (ASD). The intervention group received the manualized yoga program daily for 16 weeks, and the control group engaged in their standard morning routine. Researchers assessed challenging behaviors with standardized measures and behavior coding before and after the intervention. They completed a between-groups analysis of variance to assess differences in gain scores on the dependent variables.



- C. Solomon four-group
- D. Survey
- E. Correlational
- F. Ex Post Facto
- G. None of the choices

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Answer & Explanation ✓ Solved by verified expert ⓘ

1. C. Solomon four-group
2. E. Correlational
3. F. Ex Post Facto
4. A. Pretest-Postest

All reasons and links are provided in the explanation part.

Step-by-step explanation

1. Solomon four-group is defined here: <https://explorable.com/solomon-four-group-design>. This is the answer to #1 because according to the link, the Solomon four-group divides participants into 4 groups.

2. Correlational research is defined here: <https://opentextbc.ca/researchmethods/chapter/correlational-research/>. This is the answer to #2 because the researchers choose to obtain information of the group's performances on two variables and noting the trend/relationship between the two. No experiment was made and thus no intervention took place.

3. Ex post facto research is defined here: <https://www.alleydog.com/glossary/definition.php?term=Ex+Post+Facto+Research+Design>. This is the answer to #3 because in the scenario, the participants - in this case the faculty members - are studied in groups, depending on the selected variables. These groupings are then analyzed and compared to their capability to use technology-driven materials for instruction, which is considered to be the dependent variable.

4. Pretest-postest research is defined here: <https://www.statisticshowto.com/experimental-design/#PrePostD>. This is the answer to #4 because the researchers choose to administer tests before and after the experiment, and assigned one group to an intervention while the other is on standard process.

I hope you find this helpful. Thank you!

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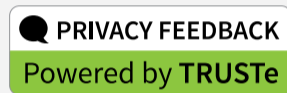
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