

Research Designs

You can break down the types of research design into five categories:

1. Descriptive research design
2. Experimental research design
3. Correlational research design
4. Diagnostic research design
5. Explanatory research design

Descriptive Research Design

- The researcher describe the situation or case in their Research Study
- It is a theory based design
- If the problem statement is not clear, you can conduct exploratory research.

Experimental Research Design

- It establishes a relationship between the cause and effect of a situation
- One observes the impact caused by the independent variable on the dependent variable
- It is often used in social sciences to observe human behavior by analyzing two groups

Correlational Research Design

- It is a non-experimental research technique
- Researchers establish a relationship between two closely connected variables
- This type of research requires two different groups
- Statistical analysis techniques calculate the relationship between them(+ 1 is a positive relationship and -1 is a negative relationship)

Diagnostic Research Design

- The researcher is looking to evaluate the underlying cause of a specific topic or phenomenon
- This method helps one learn more about the factors that create troublesome situations
- This design has three parts of the research:
 1. Inception of the issue
 2. Diagnosis of the issue
 3. Solution for the issue

Explanatory Research Design

- It uses a researcher's ideas and thoughts on a subject
- The research explains unexplored aspects of a subject
- What, how, and why of research questions?