



# Research Designs in Human Development Studies

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Naturalistic observation is a type of observational research technique that includes perceiving subjects in the natural environment—this qualitative research emphasizes amassing, assessing, and describing non-numerical information. It includes observing a subject's behavior as it happens in a natural setting, without any attempts of interference by a researcher (Thakur, 2021). For example, a scientist who studies monkeys in their natural setting might use hidden cameras and audio recordings to research monkey behavior without intervention by a human being. In contrast, structured observation refers to a qualitative study approach used by phycologists and other social sciences for many decades (Thakur, 2021). Structured observation involves data collection procedures without the researcher being involved directly with the subjects, and the collection method is controlled in a well-defined and practical mode. It permits the researcher to gather the information that could not be gathered using typical research techniques such as interviews and surveys (Thakur, 2021). A researcher, for example, can observe the interaction between mother and child during food preparation and the behaviors that precede and follow food preparation. Hence, structure observation aids in understanding when and why a mother washes her hands.

A longitudinal design is a developmental research design used to study behavior in the same subjects over time. For instance, a researcher might focus on studying intelligence and aging and determine wherever 25 years old become less intelligent with age over time (Thakur, 2021). Therefore, they provide an intelligence test to persons from when they

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**Mark Steyvers** 

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