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Discussion

We conduct researches to deduce a result by following a variety of research methodologies and designs and by applying appropriate concepts. There are two main research designs adopted by the researchers while conducting researches, and these are quantitative research designs and the other one being qualitative research designs.

Quantitative research design is the research design that helps to find a relationship between the independent variable and dependent variables; these variables cannot be limited to one or two variables. The quantitative research designs can follow the experimental study or the descriptive method. The experimental studies focus on establishing the causality of an event or happening, while the descriptive method measures the associations between the variables selected for the research. Quantitative research designs deal more with numbers, logics and objective stances in the research. The main characteristics of a quantitative research design can vary. This research design includes the measurement of the data with the help of research instruments, which are structured. This can be repeated over time to ensure the quality of the research, and to deduce strong results and outcomes. These researches include the scope, quantity of the responses from the respondents and are more oriented towards the emotional insights.

Quantitative Research Design helps to understand the relationships between variables, their impacts, and outcomes. This also helps to increase success rate in our careers like the construction safety industry by enabling us to think rationally and make decisions based on logic. For this case, quantitative research design will help to analyze the relationship between the material used in the construction and the negative outcomes. For instance, there will be more chances that quality products will ensure the strong base of the building and vice versa. It would be easier to make decisions if decisions would base on rational and logical thinking, while a good experimentation will help to make decisions that are more firm.