

Project-Based Assignment Title

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Compulsory Nepali

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2083.03.26

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Assumptions in Data Analysis in My Quantitative Research

Several assumptions are made in the quantitative study design to guarantee the validity and the reliability of the results in the research. These assumptions, although they might not explicitly be examined, are conditions that are taken for granted in order to carry out a study. They serve as the foundation for choosing suitable statistical techniques, which guarantees the validity and dependability of the findings of the research (Creswell & Creswell, 2018).

Considering the quantitative research I am currently engaged in is entitled “THE EFFECT OF TEACHERS’ KNOWLEDGE OF SCHOOLS’ STRATEGIC DOCUMENTS ON INSTITUTIONAL PERFORMANCE”. This research examines the teachers’ awareness and familiarity with the school's strategic documents and how it affects the performance of the school. Therefore, the first assumption in this research is that the respondents, the teachers in the case of the research I am engaged in, will answer the questionnaires honestly and correctly without any bias. It's necessary for any research to collect necessary, honest, and correct responses from the respondents to bring trustworthy analysis and interpretation to the findings.

The other assumption states that the instrument deployed to collect the information, as in this research, is the survey questionnaire, which is deemed to be a legitimate and trustworthy tool to examine the variables of the research. The elements of the survey questionnaire are intended to evaluate the effect of IV (the teacher's familiarity with the strategic documents) on the DV (the institutional performance), where the assumption further states that the survey questionnaire accurately and precisely presents these dimensions and yields findings that are consistent among the participants of the research.

Also, the next assumption argues that the results of the research can be extrapolated to the larger teacher demography since it is considered that the sample used in the research is adequate to reflect the population of the research. Moreover, the assumption states that the responses collected are independent, which means that each of the participants of the research responds to the survey questionnaire on their own without being swayed by the answers of other participants of the research.

The research also assumes that the information gathered will meet the criteria needed for the intended statistical analysis. These assumptions imply that the assessment of the variables of the research is performed at suitable levels without any substantial mistakes.