Research Methodology, Design, and Methods

[Author Name(s), First M. Last, Omit Titles and Degrees]

[Institutional Affiliation(s)]

Author Note

[Include any grant/funding information and a complete correspondence address.]

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Chapter for research design is the next step to analyze topics for research design. This chapter will include a brief analysis of various topics. In the beginning, the research methodology will be discussed in detail. After research methodology, research design and methods used in research will be explained. This chapter will discuss the data collection methods for this research study. And then, this chapter will discuss the sampling and data analysis procedures used in this research study.

The responses taken from participants showed a relationship between the safety and health of workers and the Sun Coast's performance. It was also studied that Sun Coast also provides a safe and better working environment for workers by eliminating substances, which can be a hindrance to their growth.

Research Methodology

The research methodology is quantitative research. Choosing quantitative research is to follow the scientific and systematic methods to justify and understand the questions of how and why people act and think in some specific ways (Nardi, 2018).

Research Design

Descriptive research design is suitable and appropriate. Reason for descriptive design is because of systematic and accurate study about the impacts of the work environment on the workers' health and safety. A descriptive research design aims to study the associations and relationships between or among the required variables (Dulock, 1993).

Research Method

The research method will give a brief about the research methods being used for this research study. The quantitative method is used for this research study. Quantitative researches aim to focus on a common reality regardless of theory differences, and many people can agree to this reality (Newman, Benz, & Ridenour, 1998). This research study is a descriptive research study where data is being analyzed statistically. The descriptive research method aims to explain the phenomena by the help of data being collected, and with the help of statistics, the data is analyzed (Offredy & Vickers, 2010).

Data Collection Methods

Secondary and primary data has been collected in order to get the relevant data for research. The data collected for the research study were gathered in the first hand and secondary sources. Participants were asked questions, which means that a questionnaire was used.

Sampling Design

The sampling design for this research design would be non-probability (convenience sampling) because the participants are available. Convenience sampling is the one in which the targeted participants meet the criteria and available for participation (Etikan, Musa, & Alkassim, 2016). There was a total of 321 participants, including 45 percent of males and 55 percent of females. Among these participants, 60 percent of the participants were either workers or the employees of the Sun Coast Company.

Data Analysis Procedures

With the help of SPSS the data analysis will be carried out. And to test hypothesis data will be analyzed in SPSS. SPSS is a software to analyze the quantitative data, which is not time-consuming, and it has benefits of modeling on multilevel (Heck, Thomas, & Tabata, 2011).

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