

Review of: "Factors Affecting the Safety Management Practices of Road Construction in the Sidama Region Road Administration"

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Potential competing interests: No potential competing interests to declare.

The authors of the manuscript ID 4I1MIC studied the contributing factors of environmental safety on road construction projects, followed by some measures to improve that in a region in the north-east African country of Ethiopia. Overall, the writing style and paper organization meet the desired standards of a scientific paper, but the contribution to the literature is trivial, as a well-known statistical method of regression analysis has been performed to conduct the study. No novelty is also observed in the scientific background, promoting the statistical approaches, or highlighting measures to improve safety. In other words, the authors re-performed a statistical method of regression in a specific field, taking into account some factors affecting the quality of road construction safety.

The reviewer's recommendation for the article is "Major Revision," following the below comments:

Major comments:

1. Reference citing is poor throughout the article. Some parts are not referred to as scientific or academic texts. For example, page 3, paragraphs 3-end, some problems are mentioned without proper references.
2. It is not clear why the authors conducted the research work for questions whose answers are available. For example, pages 6-7: authors referred to Nkurunziza (2020) on the relation between communication and coordination with the quality of road construction, but it is followed by the definition of their own hypothesis of H5, the same.
3. Data collection is ambiguous, where it is not clear how and why all employees participated in interviews or filled the questionnaires out. Many workers may not have enough knowledge on risk prevention. Additionally, it is not clear how the data were received and collected for the components of each factor.
4. Section 4.2: Discussion on the weaknesses of interpreting the mean is out of scope because the Likert scale does not generate outliers.
5. Discussion under Table 2 does not match it. No correlation is observed with the dependent variable. In fact, it is not necessary to be addressed. Correlation should be prepared for just the dependent variable, followed by interpreting and maybe variable reduction, those are not seen in the text. The paragraph is written totally wrong.

Minor comments:

1. Where is Sidama? It should be mentioned in the text, at least the first time.
2. Abstract: significant is 99% where the error is set to 1%.

3. Section 1.1: "in the Sidama region road administration" could be removed from all questions.
4. The article has been sectioned into many parts. Some parts can be merged to shorten the manuscript.