

Review of: "Longevity of Electric Vehicle Operations"

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The authors have undertaken an exploration of the subject of electric vehicles (EVs) and their longevity, which is an increasingly relevant and researched area. While the paper's overall structure and organization are satisfactory, there is a pressing need for significant improvement in the quality of the writing to engage the reader effectively. The absence of pertinent data and concrete examples to substantiate the paper's arguments and assertions leaves it falling short of the standard expected of a rigorous research publication; instead, it resembles more of a student term paper. Although the subject matter is indeed broad, the authors have made a commendable effort in identifying key factors impacting EV longevity, such as policy considerations, consumer acceptance, battery technology, and infrastructure expansion. Nevertheless, these aspects lack the necessary in-depth analysis required to inject novelty and rigor into the manuscript. The research methodology, crucial for any research article, is notably absent, diminishing the paper's credibility as a research contribution and making it read more like a superficial commentary on EVs and their future. On a positive note, the authors have included a decent selection of references, but there is room for improvement in the citation style as well.

I do not recommend this manuscript for further publication unless earnest efforts are made to substantially enhance the depth of investigation and presentation. One potential approach could involve incorporating a case study or focusing on a specific facet, such as policy challenges, the integration of renewable energy with battery technology, or consumer reception of EVs. A critical step is rewriting the introduction and conclusion; the introduction should be strengthened by clearly defining the problem, discussing the motivation, outlining the study's importance, presenting existing solutions, and highlighting research gaps before delving into the study's specific objectives. Numerous sections in the paper are both repetitive and vague, which is partly due to the broad scope of the topic and the paper's relatively weak positioning. The section concerning sustainable transportation, particularly in section VI, lacks completeness without aligning it with appropriate Sustainable Development Goals (SDGs) or Environmental, Social, and Governance (ESG) targets. To enhance the paper's positioning, rigor, and novelty, the inclusion of empirical investigations, systematic literature reviews, or analyses of secondary data can be considered. Additionally, the conclusion should refrain from reiterating excerpts from the main body and instead concentrate on discussing the limitations of the topic and avenues for future research.