Review of: "Crash severity analysis of vulnerable road users using machine learning"

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Potential competing interests: The author(s) declared that no potential competing interests exist.

This paper focuses on the crash severity analysis of vulnerable road users where machine learning techniques have been utilised. Many efforts have been dedicated to this particular field since the past decade, machine learning techniques which the users applied in this paper have already been extensively investigated in many previous researches. As such, the paper failed to bring new contributions to the field. Please find some other comments as below:

1. In the literature review section, please include the recent related works to crash severity analysis, especially in terms of the vulnerable road users. The current literature review is incomplete.
2. Please address explicitly the contribution of this paper, in comparison with the previous research.
3. In Table 1, it seems unnecessary to present the column ‘Unified VRU’. In the literature, the common practice was to investigate the crash severity of different types of VRU separately to have a clearer understanding of the issue.
4. Grammar mistakes/typos have been spotted, for example:
In Page 2: For example, in Queensland, Australia, road fatalities are reported to increase 21.5% in 2020 relative to 2019.→ For example, in Queensland, Australia, road fatalities were reported to increase 21.5% in 2020 relative to 2019.