

Nat. Hazards Earth Syst. Sci. Discuss., author comment AC7
<https://doi.org/10.5194/nhess-2022-90-AC7>, 2022
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Reply on RC2

Fahim Sufi et al.

Author comment on "A Scenario-based Case Study: AI to analyse casualties from landslides in Chittagong Metropolitan Area, Bangladesh" by Fahim Sufi et al., Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2022-90-AC7>, 2022

Query 3: Do the selected KPI follow any variables contributing to exacerbating the disaster condition in past landslide-related events?

This study didn't use any KPIs to report past landslide-related casualties. The first sentence in "Section 2.5 Analysis Data with AI" mentioned that "Key Performance Indicator (KPI) visualization was used to analyze casualty...". In fact, it should be rewritten as "Microsoft Power BI's Key Influencer visualization was used to analyze casualty...". As seen from the reference (<https://learn.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-influencers?tabs=powerbi-desktop>), Key Influencers visualization finds out all the dependent variables along with their relationships to an observed variable. In this study, this Key Influencer visualization found out that "Area of Mass", "Rainfall", and "Elevation" are the three most related feature attributes that have a direct correlation with past landslide-related Casualties.