Effective infrastructure measures to improve pedestrian safety at unsignalized crossings

Shengqi Liu
PhD Researcher
Department of Civil Engineering
University of Birmingham, UK
Background

- Road traffic injuries are the leading cause of youth deaths
- Unsignalized crossings have high pedestrian accident rates
- Little research on the effectiveness of infrastructure measures for unsignalized crossings
- Unsignalized crossing are more required in Low-Middle Income Countries (LMICS)
Problem and Needs

- Effectiveness of infrastructure measures at unsignalized crossings affecting pedestrian safety difficult to quantify
- A systematic review of infrastructure measures for unsignalized crossings
- Propose a methodology to quantify the effectiveness of unsignalized crossings infrastructure measures in affecting pedestrian safety in Low-Middle Income Countries (LMICS)
Innovation and Challenges

- Systematic review identified infrastructure measures that effectively impact pedestrian safety at unsignalized crossings
- Examination of factors that specifically influence the effectiveness of pedestrian safety in Low-Middle Income Countries (LMICS)
- Identify unsignalized crossings for the right number of pedestrians, available crash data, and appropriate characteristics
Outputs

- Appreciate measures to improve pedestrian safety at unsignalized crossings
- Collection of evidence that demonstrates the effectiveness of unsignalized crossing infrastructure measures
- Devise methods to quantify the effectiveness of unsignalized crossing infrastructure measures for Low-Middle Income Countries (LMICS)
- Propose ways to improve unsignalized crossings infrastructure measures based on quantitative results
Impact

- Expanding Research on Improving Pedestrian Safety at Unsignalized Crossings
- Improvement of pedestrian safety by quantifying the effectiveness of infrastructure measures at unsignalized crossings
- New tool for the choice the future design of unsignalized crossings
- Protect the valuable road users (pedestrians) who suffer most in developing countries
THANK YOU

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