Women Security and Smart Surveillance System (Women Wellbeing Assessment in Indian Metropolises using Machine Learning Models)

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Abstract: *Today in the current global scenario, the prime question in every girl's mind, considering the ever-rising increase of issues on women harassment in recent past is mostly about her safety and security. The only thought haunting every girl is when they will be able to move freely on the streets even in odd hours without worrying about their security. Criminal activities have reached unprecedented levels in almost every part of the world. Desperate times like these require desperate measures to ensure the safety of people, especially people that need to travel on a daily basis to places, known and unknown. The majority of these criminal offences occur while the victim is travelling, irrespective of the mode of transport: walking, personal vehicles, public transport vehicles, auto-rickshaws, or cabs. We propose a User Specific Safe Route Recommendation System which presents a safe route visualized in dataset to the user based on the past records of the geographical region then we train dataset using SVM algorithm. Generated model will fetch the graph of safest route from particular source to destination.*

Keywords: *Machine Learning, SVM, Source, Destination.*

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