

## **An Analysis on Women's Safety while travelling**

### **Milestone: Project proposal**

Group 10

Stephy Romichan

Meghana Sreenivasa Rao

(575)-842-9980

(857)-421-9496

[romichan.s@northeastern.edu](mailto:romichan.s@northeastern.edu)

[rao.meg@northeastern.edu](mailto:rao.meg@northeastern.edu)

**Percentage of Effort Contributed by Student1: 50**

**Percentage of Effort Contributed by Student2: 50**

**Signature of Student 1: Stephy Romichan**

**Signature of Student 2: Meghana Sreenivasa Rao**

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## **An Analysis on Women's Safety while travelling**

Travelling and tourism for women, while exciting, safety remains a major concern. Despite increased awareness and efforts to improve safety, many women still encounter challenges in various regions. Right from difficulties in using public transport, to accommodation issues, and local problems such as theft or other scams, it is important to be aware of all there is to know about a country/city before making planning a trip. Surveys and traveler reviews reveal a lot of sentiments, from cautious optimism to anxiety about navigating unfamiliar places alone. Women share their experiences and concerns about safety measures and local support systems, discussing on the challenges they face.

This project aims to shed light on these issues by exploring women's travel experiences and sentiments through a comprehensive analysis of crime statistics, traveler reviews, and survey scores. Collecting and analyzing data on preferred travel methods, cultural factors and differences, and regional government laws and regulations which will equip travelers with the knowledge needed to navigate and plan trips more effectively.

### **Theory for Analysis:**

In this project, data will be collected and analyzed from multiple sources to better understand women's travel experiences and the safety challenges they face. The project focuses on obtaining and analyzing data to enhance travel safety for women, particularly solo female travelers. Key demographic information includes the traveler's name, age, gender, origin, destination, year of travel, user ID, phone number, and email address, as well as whether the individual is traveling solo or in a group. This data helps in the base information that we require for analysis. This data helps in identifying patterns and assessing risks based on specific regions and travel situations.

Safety data includes the safety rating of destinations based on crime rates and harassment reports, along with region-specific safety policies for women. Local crime rates, common travel destinations for women, and the availability of emergency services such as police stations and helplines from surveys are also identified. Sentiment data is gathered through traveler reviews from platforms like TripAdvisor and Yelp, social media posts regarding women's safety experiences, and surveys focused on reported issues like harassment or unsafe encounters in destinations. Reviews of accommodations, public transportation, and safety-related policies in the region are examined to provide comprehensive insights into travel risks.

The project also aims to incorporate data on government initiatives and advisories focused on women's safety, as well as laws and regulations related to harassment and crimes against women in public spaces. Availability of women's safety reporting services, such as dedicated helplines, will be recorded and analyzed to provide travelers with resources for making smart decisions while planning a solo trip. This additional layer of analysis helps ensure that women are informed about legal protections and safety support in their travel destinations.

These elements will help highlight patterns in travel behavior, safety risks in specific regions, and by highlighting the major concerns, pave the way for addressing the issues in the long run. The analysis dynamically adjusts based on the traveler's origin and destination, showing insights like the safest mode of travel, common travel destinations for women, and the presence of women-only services such as pink taxis or female-only sections in public transport. Information on cultural practices affecting women's safety, availability of emergency services, and prominent local crimes make travelers more aware before planning a trip. The aim of the project is to collect and analyze demographic, safety, and sentiment data to improve travel safety and provide insights for women, especially solo female travelers.