

Right Turn Accidents Analysis

CMPE -272

Project Team 23

Team Members

Akshay Anil Pagar

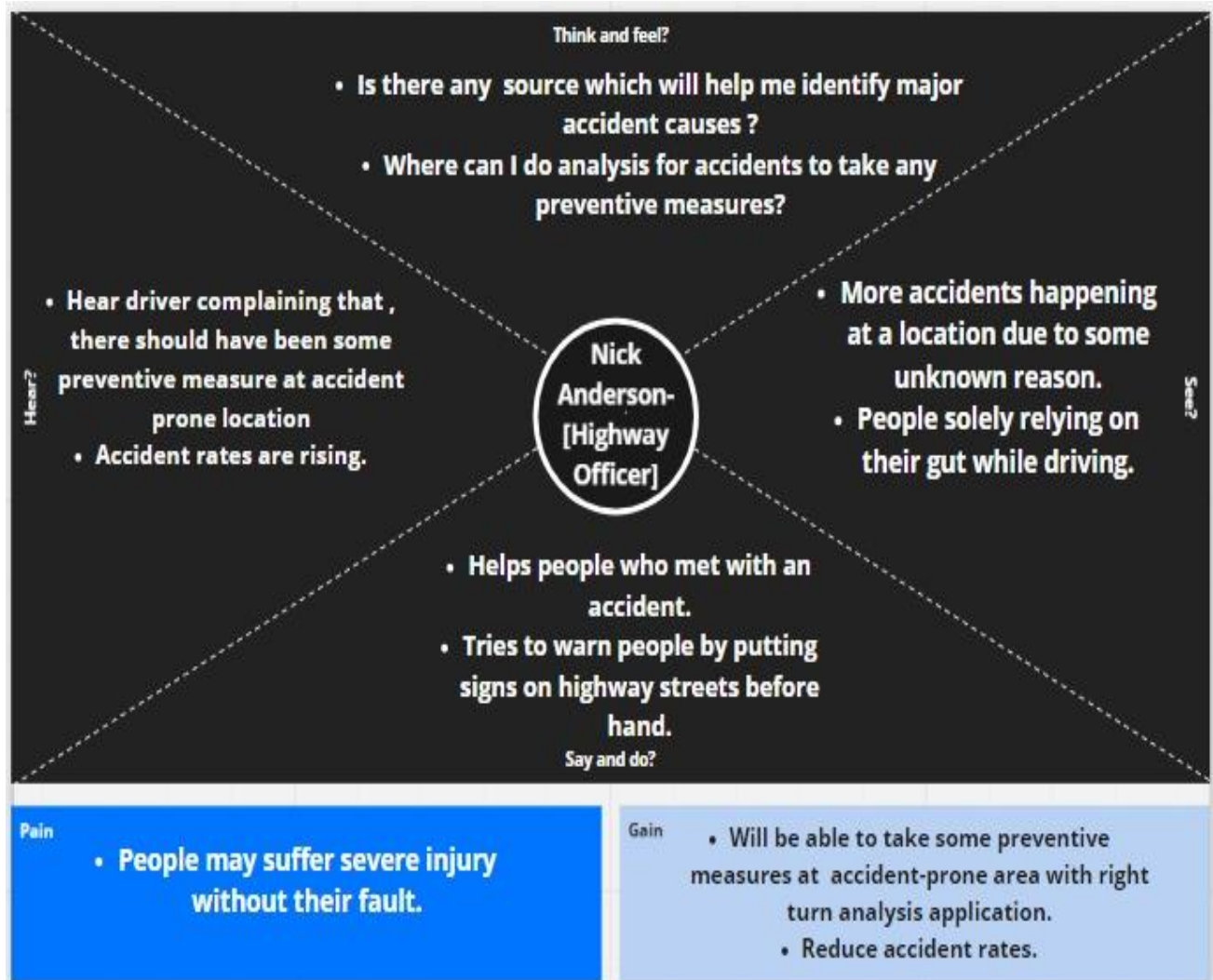
Nikita Bairagi

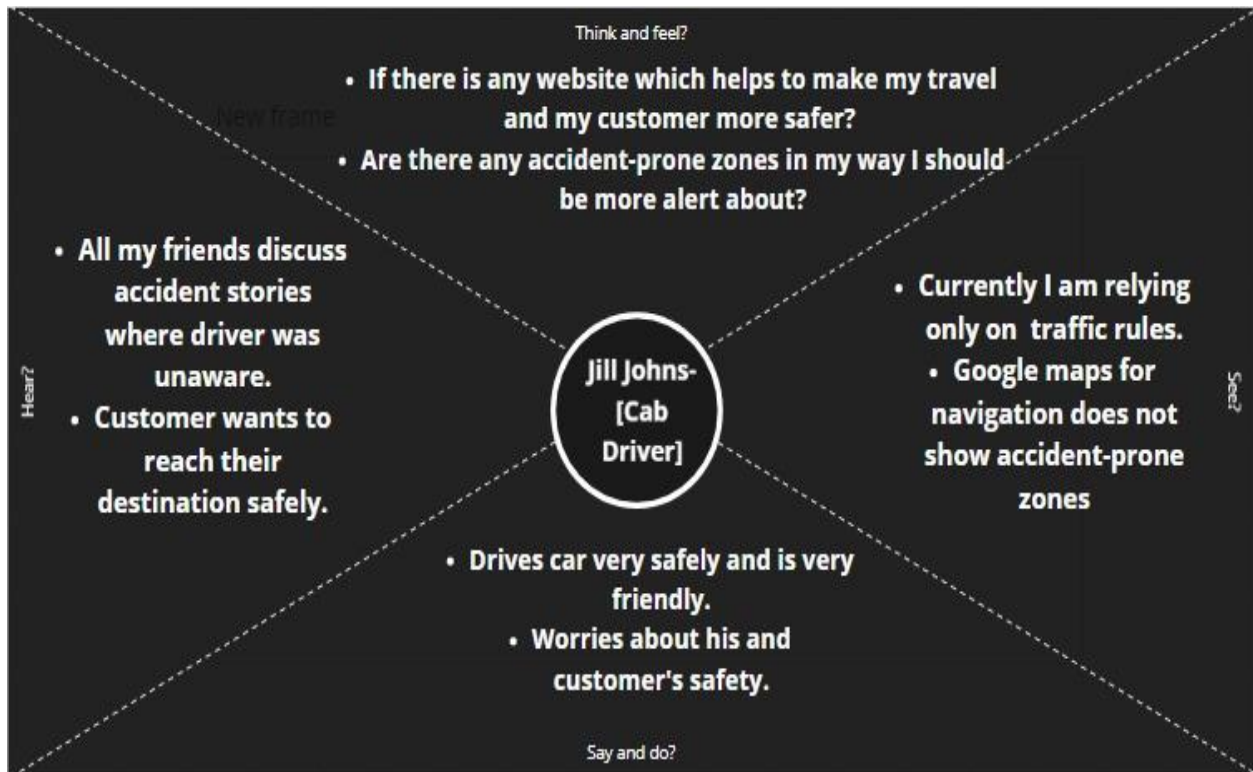
Sneha Thomas

Vanadana Kudigrama Shenoy

Users of this web application can see details of right turn accidents of the counties in California state. They can view the major factors of these accidents. The app will show prediction of pedestrian/bicycle accidents on right turns.

User Empathy Map :





User Persona

Nick Anderson



"I'm looking for a site that helps me to reduce the accident rates in California"

AGE: 40
WORK: Highway Officer
FAMILY: Married, 2 Children
LOCATION: Alameda, California

Organized

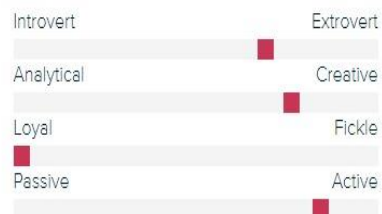
Practical

Hardworking

Bio

Nick is a highway officer in the California Department of Transportation who is very passionate about his work and is looking forward to improving the transportation system and reduce accident rates to enhance California's economy and livability.

Personality



Goals

- To identify major accident causes and how these factors can be avoided.
- To take proactive actions on likely crash prone weather and traffic conditions and reduce accident rates.

Social Networks



Preferred Channels



Jill Johns



"I'm looking for a site that helps to make my travel more safer and comfortable."

AGE: 35
WORK: Cab Driver
FAMILY: Married, 1 Child
LOCATION: San Jose, California

Organized

Practical

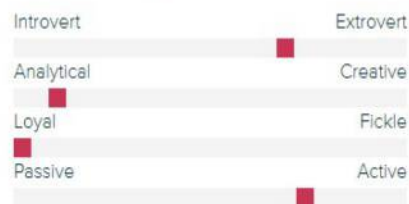
Protective

Hardworking

Bio

Jill is a Cab driver who is very passionate about driving and making new friends. He spends most of his time travelling and is worried when he gets into an accident which is not due to his fault.

Personality



Goals

- To have a safer travel.
- To know in advance high accident risk areas

Social Networks



Preferred Channels



Design Mockups

Right Turn Accidents Analysis [Home](#) [Search by County](#) [Predict Accidents](#)

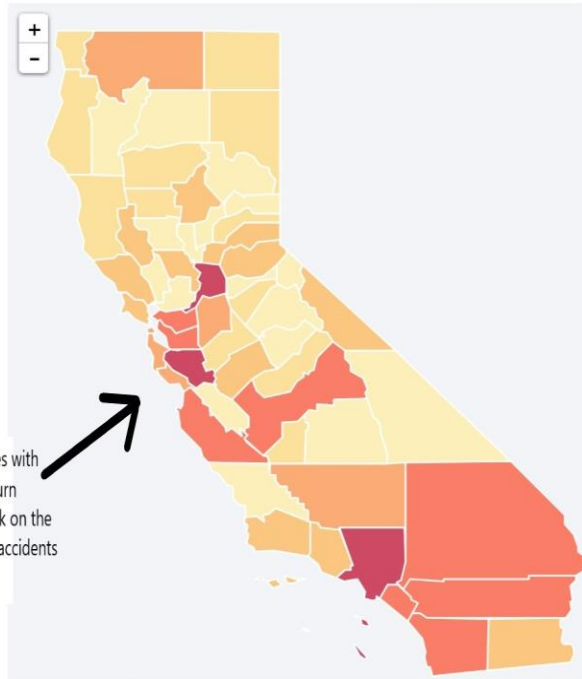
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Making a right turn on a street, road, or intersection is an everyday occurrence for anyone who drives, but it must still be done with caution and the driver's full attention.

Right Turn Analysis has been developed to provide the analysis of the California's Right Turn Accidents and help identify the causes of these accidents.


Map shows the counties with high number of right turn accidents. User can click on the map to view details of accidents in that county!





Right Turn Analysis


Analysis of the Right Turn Accidents in California

Login with

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 LinkedIn

Or with email

Login

Select County:

Alameda

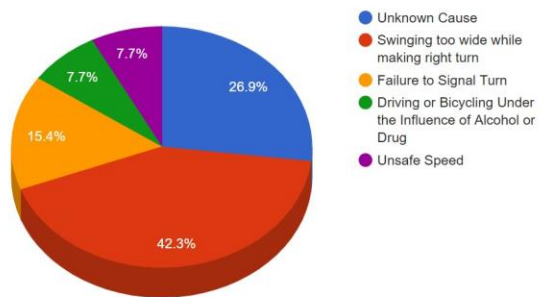
Select county to view the number right turn accidents and their primary causes in that county

Data

Map

Collision Factor	Number of Collisions	Percentage
Unknown Cause	7	26.9
Swinging too wide while making right turn	11	42.3
Failure to Signal Turn	4	15.4
Driving or Bicycling Under the Influence of Alcohol or Drug	2	7.7
Unsafe Speed	2	7.7

Collision Percentage by Primary Collision Factor



Select County: Alameda ▼
[Data](#)
[Map](#)


Collision Factors

Lighting

- ☐ Street Light not functioning
- ☐ No street lights
- ☐ Daylight
- ☐ Dark - Street Lights

Road Conditions

- ☐ Construction Zone
- ☐ Reduced Roadway Width

Pedestrian Action

- ☐ Crossing not in Crosswalk
- ☐ Crossing in crosswalk not in intersection
- ☐ Crossing in crosswalk at intersection
- ☐ In road including shoulder

