



Crashcaster

Staying Safe in Cambridge

Initial Project Plan

Kyle Maguire ♦ Rick Farmer ♦ Kartik Trasi ♦ Adam DiChiara



Motivation



Motivation

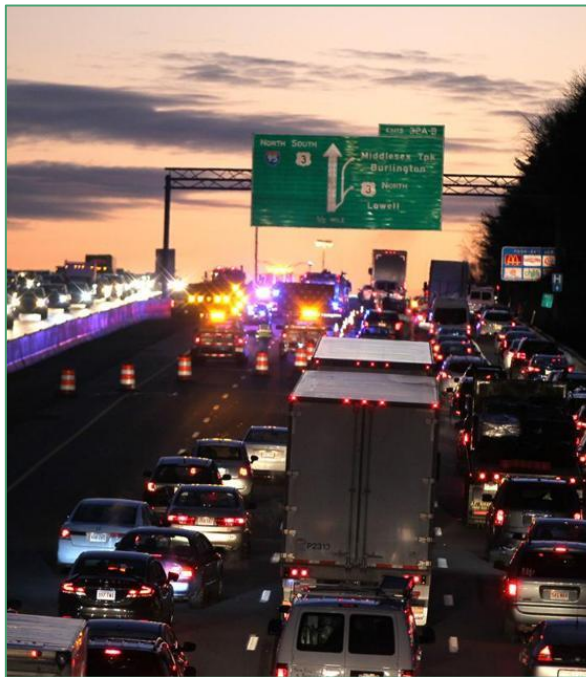
An aerial, high-angle photograph of a city street intersection. On the left, a large, multi-story red brick building with many windows dominates the frame. To its right is a modern skyscraper with a glass facade and prominent vertical structural elements. The street below is filled with cars, and a few pedestrians can be seen on the sidewalks. The overall scene is captured in a warm, golden light, suggesting late afternoon or early morning. The word "Solution" is overlaid in large white letters at the bottom right.

Solution



Solution

Overview



Source: bostonglobe.com

Motivation

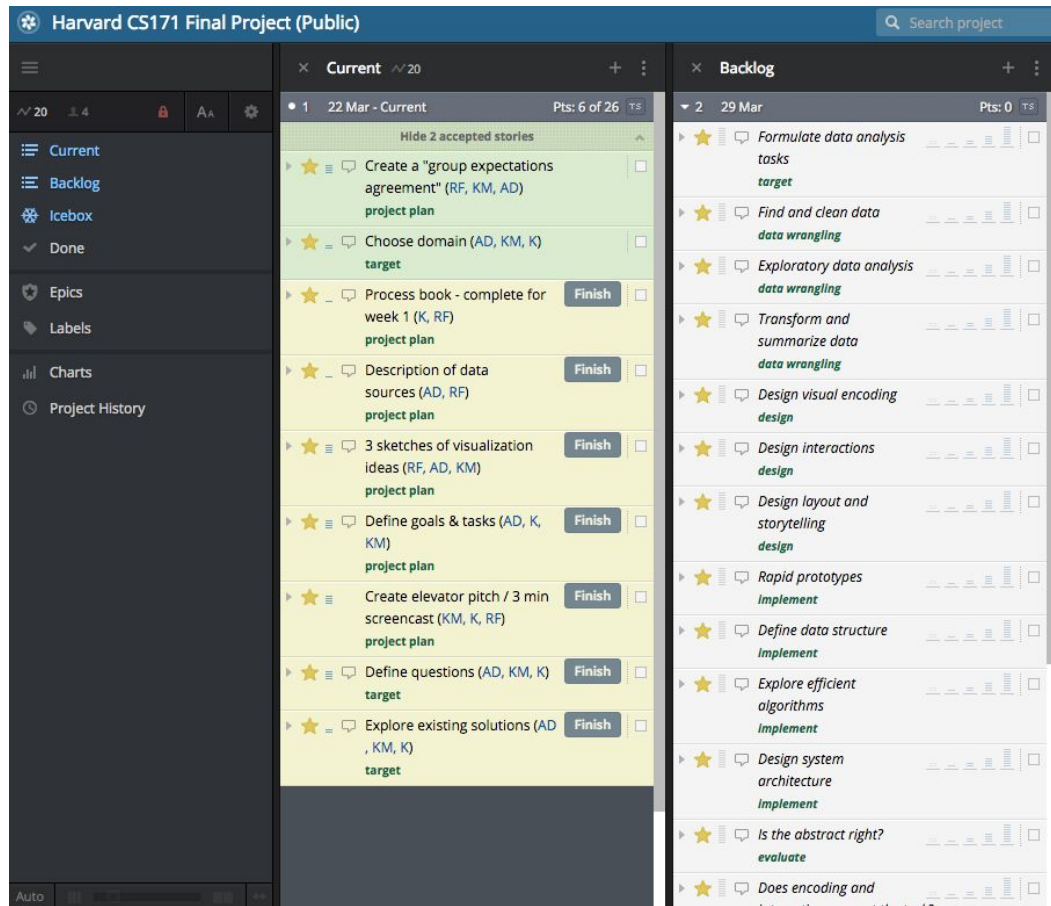
- Public safety is an important concern for residents and commuters in the Boston metro area, but the information they rely on to avoid safety risks may be lacking.
- Traffic safety issues are common and frequent, yet with the exception of severe accidents the information the general public has regarding traffic safety is mostly based on personal judgements from anecdotal or personal experiences
- Current information fails to represent systemic problems or complex inter-related traffic dynamics at play

Goals

- Our project aims to develop insightful visualizations representing public traffic safety data in a way which reveals probable "cause and effect" relationships between influencing factors and incident occurrences.
- Our goal is to employ good data visualization design principles and effective storytelling to create an end product that is both informative and visually appealing.

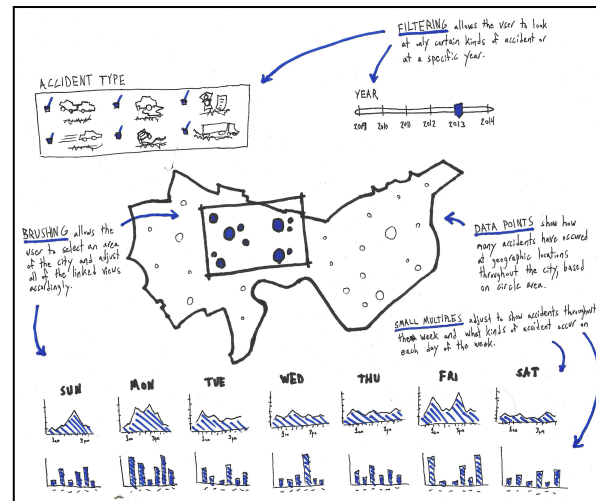
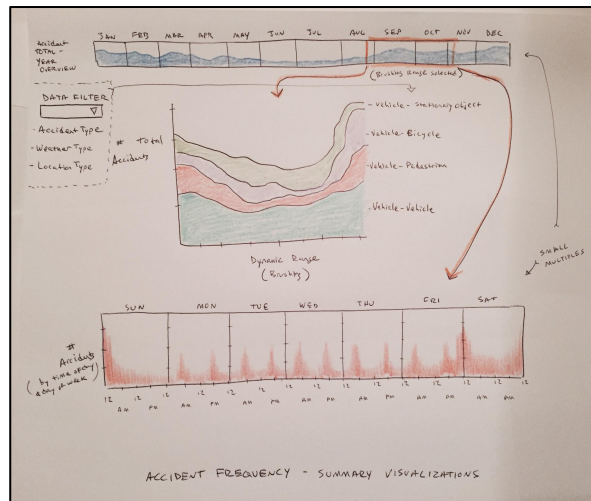
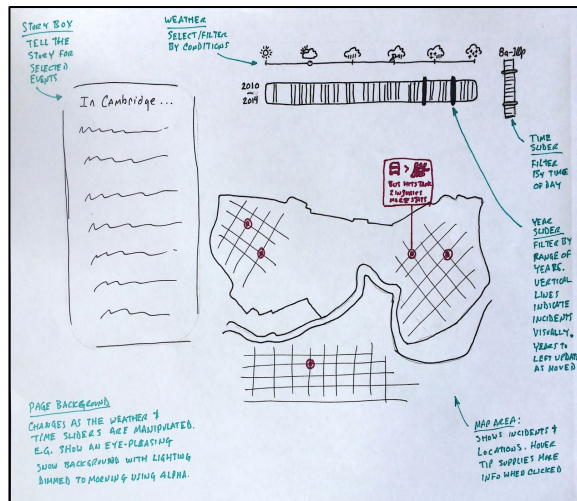
Tasks

- Target
- Data Wrangling
- Design
- Implement
- Evaluate



<https://www.pivotaltracker.com/n/projects/1554113>

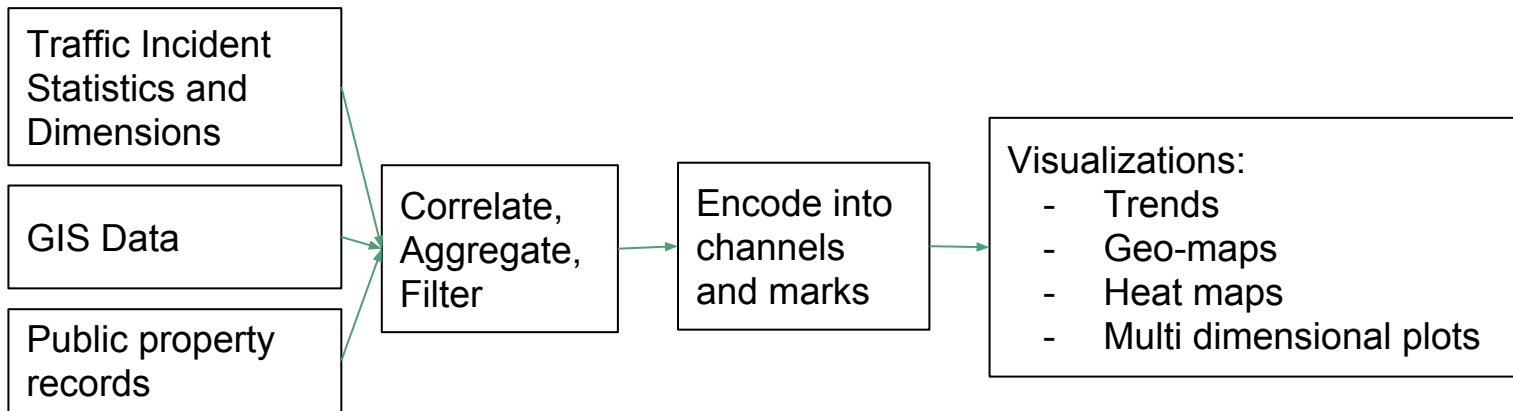
Sketches



Data Sources

Links to data sources

1. [Cambridge Open Data - Public Safety Dataset](#)
2. [Cambridge GIS data](#)
3. [Boston Crime Incident Reporting Dataset:](#)
4. [City of Boston Owned Property](#)



Thank you!

