Alpha Presentation
Independent Repair Facilities Insights

The Capstone Experience

Team Urban Science

Victoria Cao
Gyungrok Lee
Juston Ko
Zhi Li

Department of Computer Science and Engineering
Michigan State University
Fall 2021
Project Overview

• Urban Science is a data-driven company that provides insights and solutions for the Automotive Industry

• Independent Repair Facilities (IRFs) dominate After-sales sector

• Our web application provides insights and solutions to dealers and field staff on IRFs
System Architecture
Aftersales Landing Page

Independent Repair Facility Insights

IRF Paired Telematics Alerts

Telematics Data Alert Types
Rankings and Map Page
Dealership Analysis Page

Independent Repair Facility Insights

Common Words from Top Ranking IRF Reviews

- Cheap
- Best
- Efficient
- Quick
- Nice
Expanded Tabs Page
What’s left to do?

• Front End
  ▪ Implement functionality of the header and sidebar of the website
  ▪ Improve the design of different tabs on the website
  ▪ Connect more APIs

• Back End
  ▪ Create more APIs for front-end graphs
  ▪ Implement different analysis models
Questions?