MICHIGAN STATE UNIVERSITY

Beta Presentation Provider Anomaly Analytics Toolkit

The Capstone Experience

Team Roosevelt Innovations Data Science

Justin Doan
Carson Honkala
Jeffrey Lo
Tanawan Premsri
Kate Roney
Junchi Zhu

Department of Computer Science and Engineering
Michigan State University



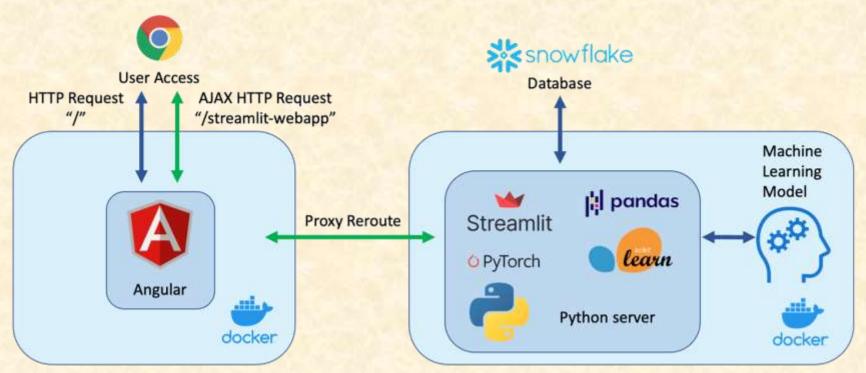
Fall 2022

Project Overview

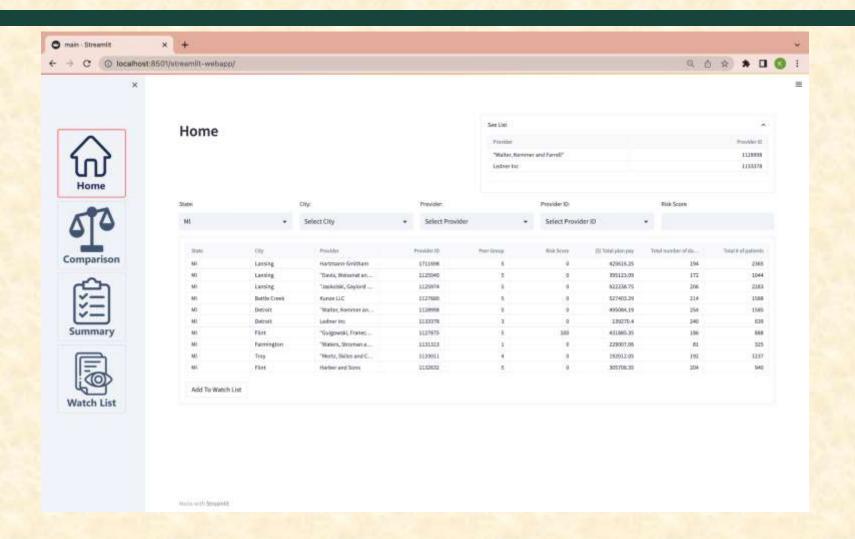
- Web app to help eliminate fraud, waste, abuse
 - Provides visualizations
 - Automatically suggest outliers
 - Combines all the data sources into one
- Improves expected quality of care and cost

System Architecture

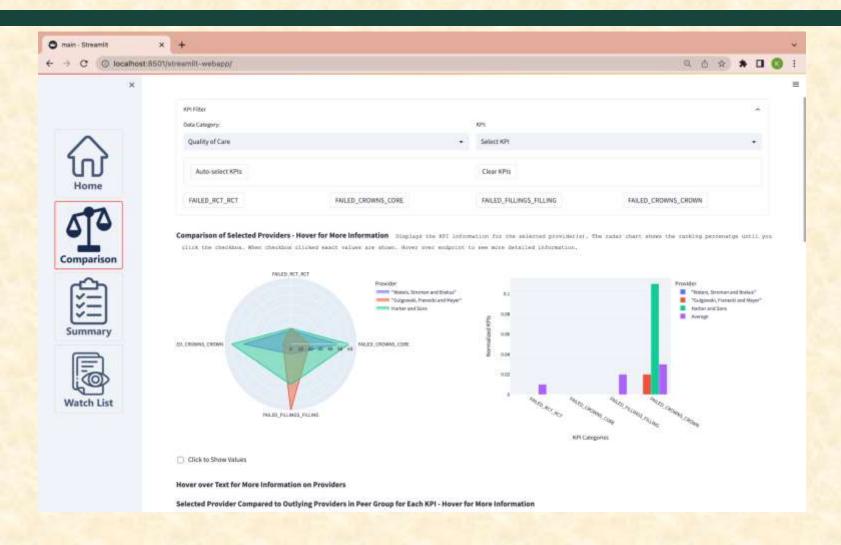




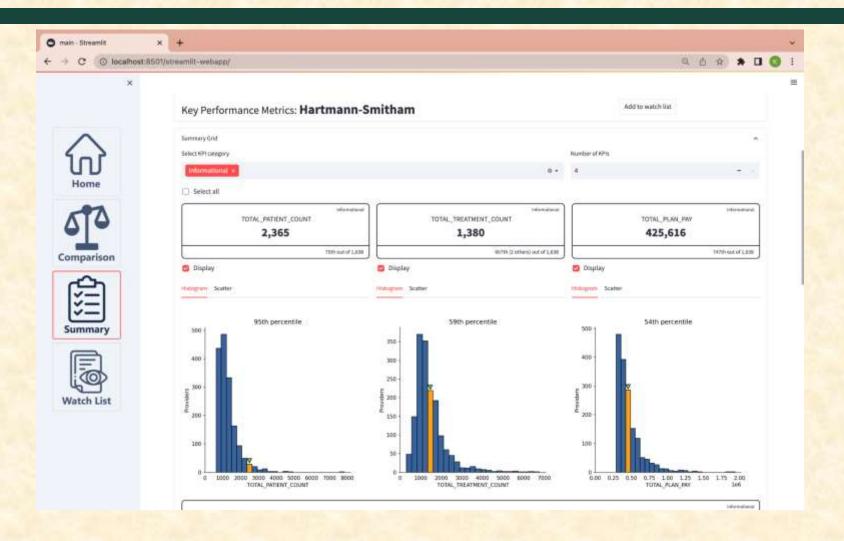
Home Screen



Comparison View

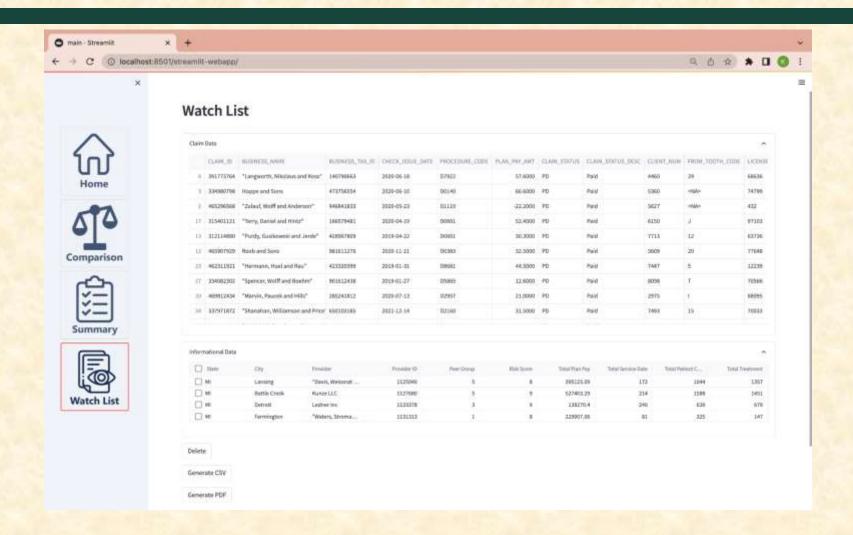


Summary View





Watch List View



What's left to do?

- Features
 - Backend Indexing
 - Snowflake
- Other Tasks
 - Optimization
 - Style Changes
 - Roosevelt colors on plots
 - PDF export changes
 - Text formatting
 - Refactor Code



Questions?

