Beta Presentation
Provider Anomaly Analytics Toolkit

The Capstone Experience
Team Roosevelt Innovations Data Science

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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

- User Access
  - HTTP Request “/”
  - AJAX HTTP Request “/streamlit-webapp”

- Angular
  - docker

- Proxy Reroute

- Database
  - Snowflake
  - Streamlit
    - PyTorch
    - pandas
    - Python server
  - Learn

- Machine Learning Model
  - docker
Home Screen
Comparison View
Summary View
Watch List View
What’s left to do?

• Features
  ▪ Backend Indexing
  ▪ Snowflake

• Other Tasks
  ▪ Optimization
  ▪ Style Changes
    o Roosevelt colors on plots
    o PDF export changes
    o Text formatting
  ▪ Refactor Code
Questions?