Beta Presentation
Provider Analysis Toolkit
The Capstone Experience
Team Roosevelt Innovations Data Science

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Project Sponsor Overview

• Sponsor Overview
  ▪ Smart platform for processing ancillary insurance claims
  ▪ Owned by Delta Dental
  ▪ 22M+ members managed
  ▪ $972M in total cost savings
Project Overview

• Used by fraud analysis teams to identify outliers in processed dental insurance claims
• Social features, optimizations, and expanded ML capabilities
• Labor hours, improve internal communications, and increase accuracy
System Architecture
Home
Provider Analysis
Provider Analysis (cont.)
Provider Summary (provider selection)
Provider Summary (charts & comments)
Watch List
What’s left to do?

• Stretch Goals
  ▪ Adding the change weights feature for an admin.
  ▪ Adding individual comparison graphs on the web applications.
  ▪ Adding machine learning to places where it was not originally thought of.
Questions?