Alpha Presentation
Excel Data Extractor and Modeler

The Capstone Experience
Team Roosevelt Innovations Knowledge Science

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Project Overview

• Provides SaaS for Insurance Analysts with 50+ years of claims experience
• Have saved about 972 million dollars in treatment costs
• Founded as a subsidiary of Delta Dental of Michigan
• Want to provide a better way to process their claims rate calculations
• A better way to extract and model their claims data from Excel
System Architecture
Labeling and Measurements


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Formula Analysis

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Sheet 1

Function Signature:

\[
\sum_{i=1}^{2} x_i + \prod_{i=1}^{9} x_i - \prod_{i=1}^{3} x_i
\]
Data Modeler
Workbook Selection
What’s left to do?

- Finish data modeler.
- Support for additional formulas.
- Upgrade suggested labels.
- Tree view selection.
- UI updates and fixes.
- GRACE file validation.
Questions?