Survey Analysis Report

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Executive Summary

This report analyzes 2 surveys completed by 12 unique users, totaling 120 answers.

Key findings:

1. Overall, users showed a ratio optimization preference (38.33% sum vs 61.67% ratio).
2. 33.33% of users who participated in at least 2 surveys showed consistent optimization preferences (80% or more consistent).
3. The consistency analysis considered 3 out of 12 total users.

These findings provide insights into user preferences for optimization strategies across multiple surveys, highlighting both overall trends and individual consistency in decision-making.

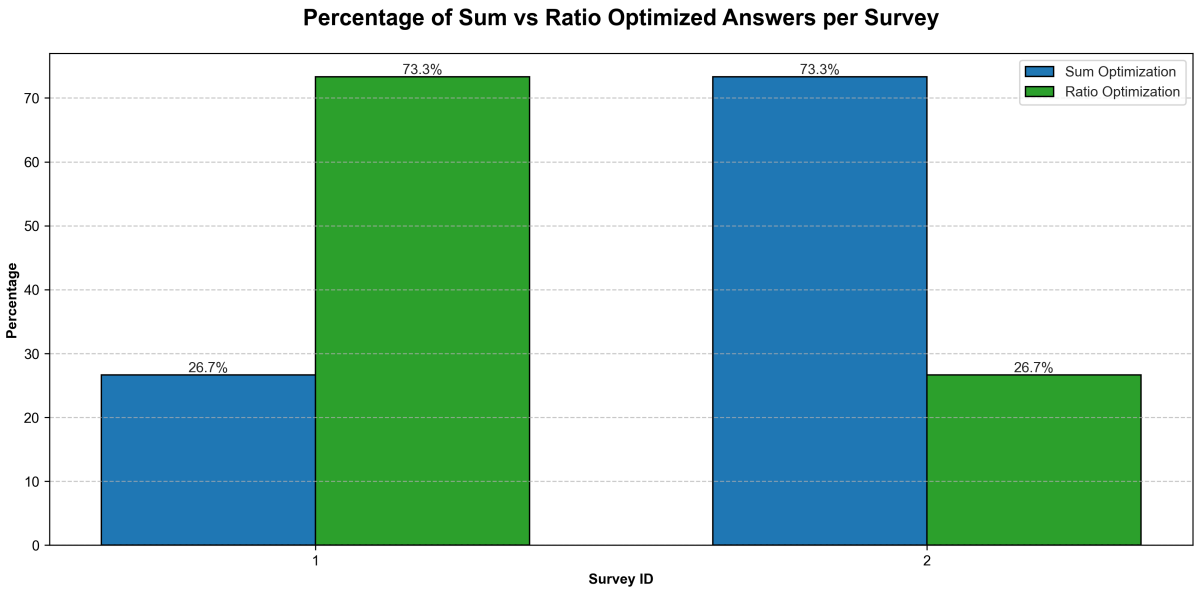
Overall Statistics

- Total number of surveys: 2
- Total number of participants: 12
- Total answers collected: 120

Algorithm Preference Visualizations

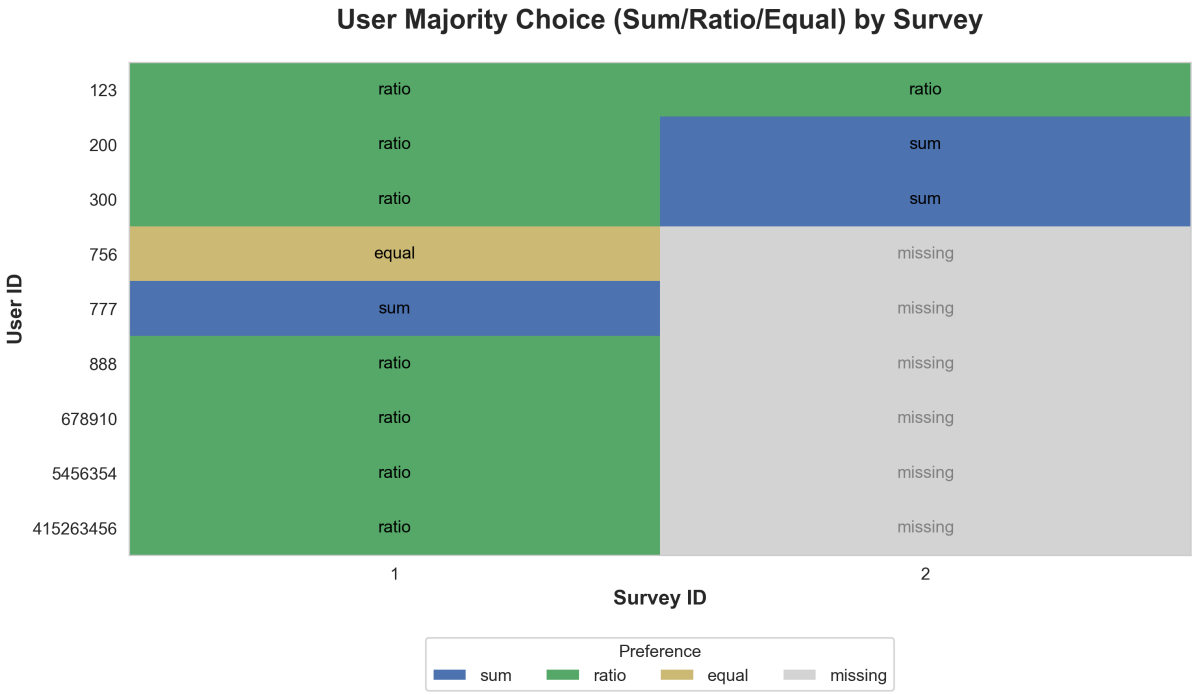
Percentage of Sum vs Ratio Optimized Answers per Survey

This chart shows the percentage breakdown of sum vs ratio optimized answers for each individual survey.



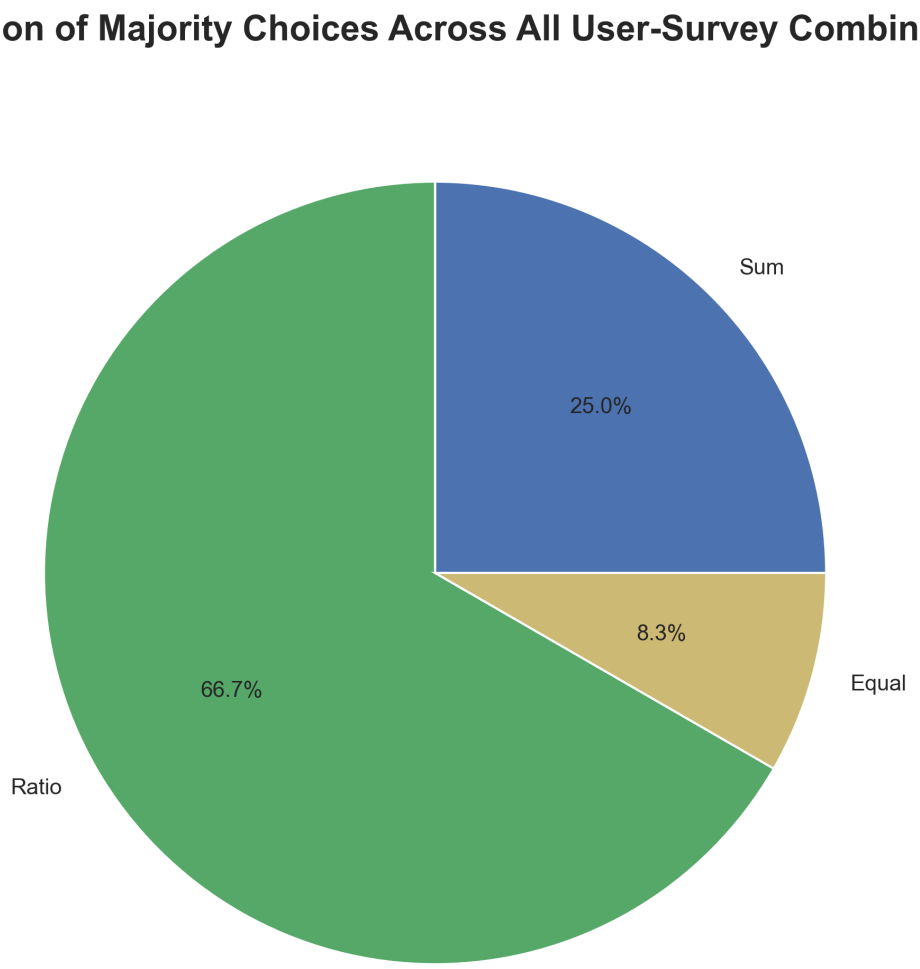
User Majority Choice Matrix by Survey

This color-coded matrix displays the majority choice (sum, ratio, or equal) for each user across different surveys. Each cell represents a user's preference for a specific survey, with colors indicating different choices.



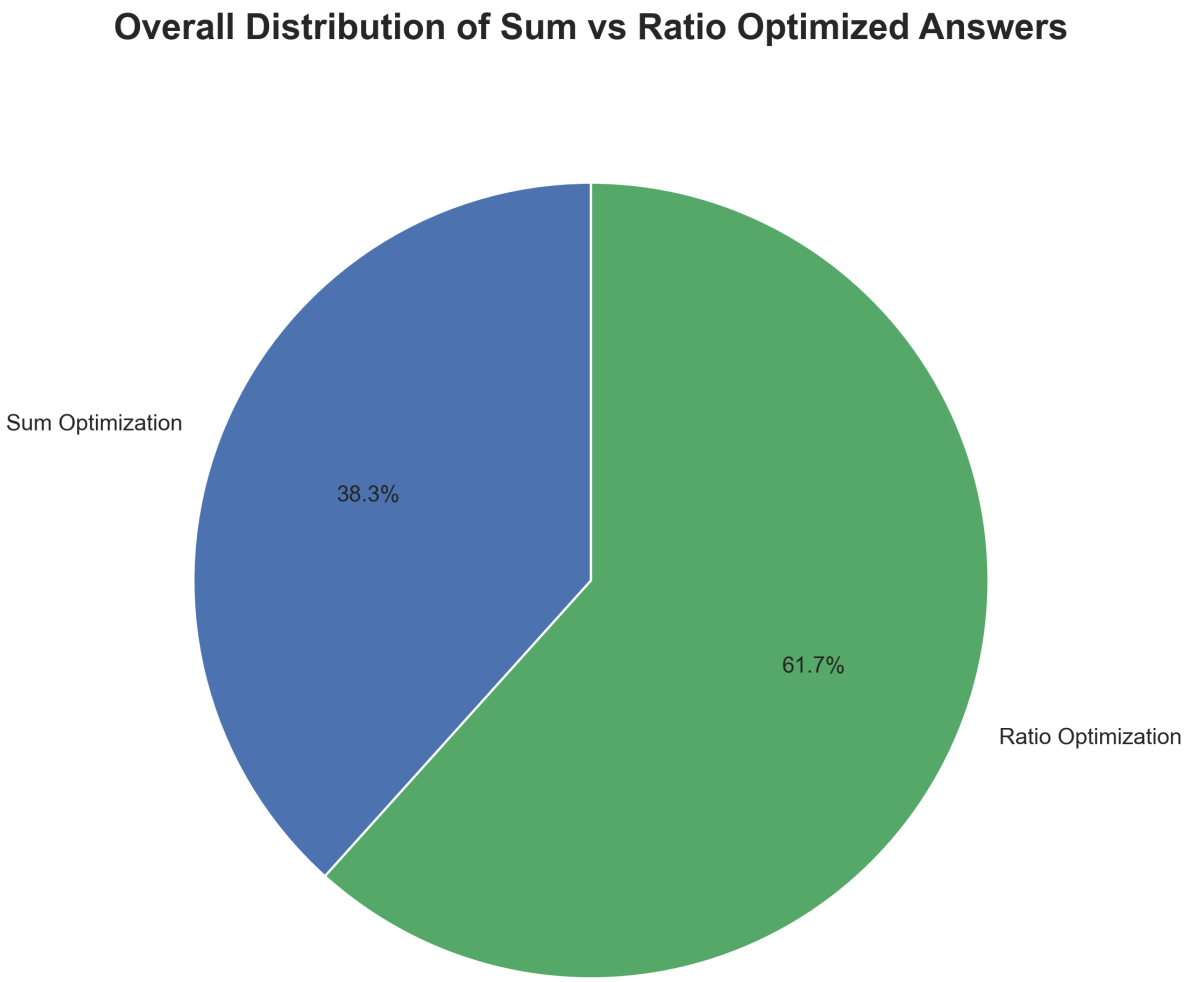
Distribution of Majority Choices Across All User-Survey Combinations

This pie chart shows the overall distribution of majority choices (sum, ratio, or equal) across all user-survey combinations.



Overall Distribution of Sum vs Ratio Optimized Answers

This pie chart presents the overall percentage distribution of sum vs ratio optimized answers across all surveys and users.



Detailed Survey Analysis

Survey 1

This survey had 9 participants who provided a total of 90 answers.

The results show a strong preference for ratio optimization:

- Sum optimization: 26.67%
- Ratio optimization: 73.33%

Individual user preferences:

- 1 users preferred sum optimization
- 7 users preferred ratio optimization
- 1 users showed no clear preference

Survey 2

This survey had 3 participants who provided a total of 30 answers.

The results show a strong preference for sum optimization:

- Sum optimization: 73.33%
- Ratio optimization: 26.67%

Individual user preferences:

- 2 users preferred sum optimization
- 1 users preferred ratio optimization
- 0 users showed no clear preference

Individual User Analysis

Survey 1

- User 123: 20.0% sum optimized, 80.0% ratio optimized
- User 200: 30.0% sum optimized, 70.0% ratio optimized
- User 300: 40.0% sum optimized, 60.0% ratio optimized
- User 678910: 0.0% sum optimized, 100.0% ratio optimized
- User 415263456: 0.0% sum optimized, 100.0% ratio optimized
- User 5456354: 0.0% sum optimized, 100.0% ratio optimized
- User 888: 0.0% sum optimized, 100.0% ratio optimized
- User 777: 100.0% sum optimized, 0.0% ratio optimized
- User 756: 50.0% sum optimized, 50.0% ratio optimized

Survey 2

- User 123: 40.0% sum optimized, 60.0% ratio optimized
- User 200: 80.0% sum optimized, 20.0% ratio optimized
- User 300: 100.0% sum optimized, 0.0% ratio optimized

Key Findings

1. **Overall Preference:** Across all surveys, participants showed a general preference for ratio optimization (38.33% sum vs 61.67% ratio).
2. **Individual Consistency:** 33.33% of users who participated in at least 2 surveys showed consistent optimization preferences (80% or more consistent). This analysis considered 3 out of 9 total users.
3. **Most Common Preference:** The most common optimization preference was "ratio" (Sum: 25.00%, Ratio: 66.67%, Equal: 8.33%).

Methodology

None