

Survey Analysis Report

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Overall Survey Participation

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

Survey-wise Analysis

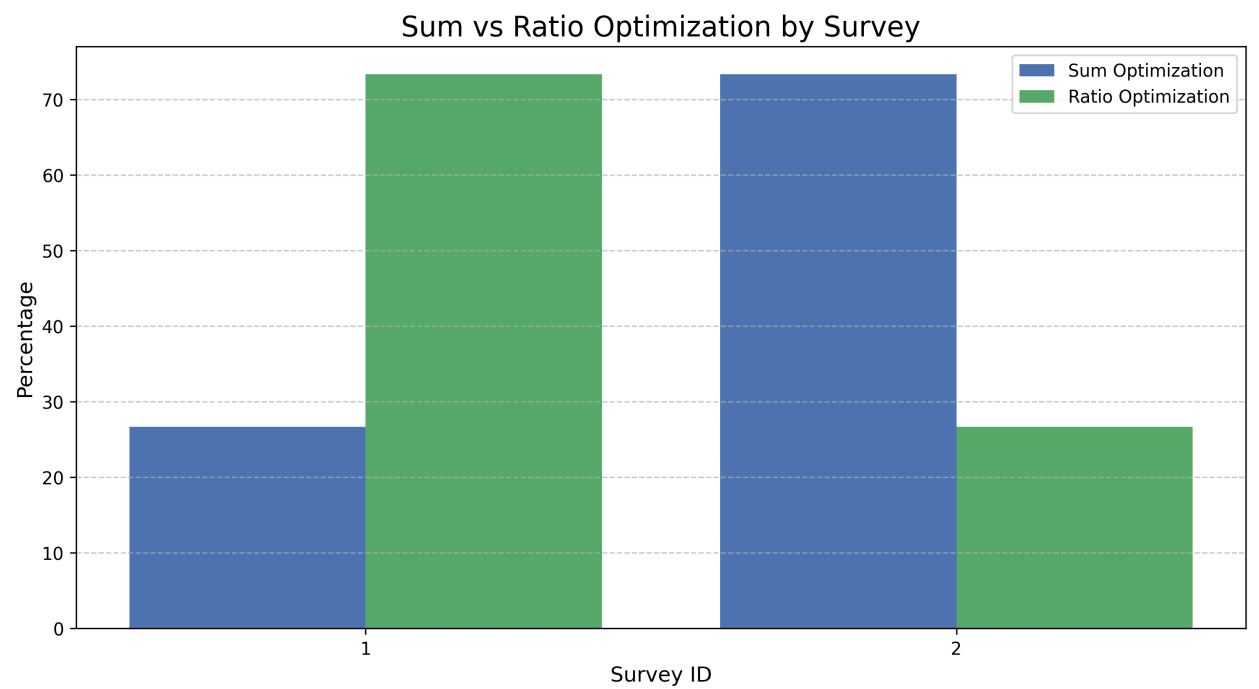
Survey 1

- Participants: 9
- Total answers: 90
- Sum optimization: 26.67% (24 out of 90 answers)
- Ratio optimization: 73.33% (66 out of 90 answers)
- Result:
 - 1 out of 9 participants showed a preference for sum optimization
 - 7 out of 9 participants showed a preference for ratio optimization
 - 1 out of 9 participants showed no preference

Survey 2

- Participants: 3
- Total answers: 30
- Sum optimization: 73.33% (22 out of 30 answers)
- Ratio optimization: 26.67% (8 out of 30 answers)
- Result:
 - 2 out of 3 participants showed a preference for sum optimization
 - 1 out of 3 participants showed a preference for ratio optimization
 - 0 out of 3 participants showed no preference

Visualization of Sum vs Ratio Optimization



Overall Optimization Trends

- Sum optimization: 38.33% (46 out of 120 answers)
- Ratio optimization: 61.67% (74 out of 120 answers)
- Overall preference:
 - 3 sum
 - 8 ratio
 - 1 equal

Individual Participant 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 and Conclusions

1. **Overall Preference:** Across all surveys, participants showed a general preference for ratio optimization (38.33% sum vs 61.67% ratio).
2. **Individual Consistency:** 77.78% of participants showed consistent optimization preferences across surveys, while others varied their strategies.