Flip Proportionality Analysis

Metrics Results

=== Dataset Information ===

Total Samples: 1320

Group 0 samples: 799

Group 1 samples: 521

=== Overall Metrics ===

Total Flips: 174

Total Flip rate: 0.13

Harmful Flips: 136

Harmful Flip Proportion: 0.7816091954022989, Regular calculation

=== Flips by Groups ===

Group 0 Flips: 136

Group 0 Flip rate: 0.170

Group 0 Harmful Flips: 136

Group 0 Harmful Flip Proportion: 1.0, Only harmful flips

Group 1 Flips: 38

Group 1 Flip rate: 0.073

Group 1 Harmful Flips: 0

Group 1 Harmful Flip Proportion: 0.0, No harmful flips

=== Directional Flip Ratio ===

Directional Flip Ratio: 0.27941176470588236, Regular calculation

Group 0 Directional Flip Ratio: 0.0, Only harmful flips

Group 1 Directional Flip Ratio: inf, Only beneficial flips

=== Flip Proportionality Metrics ===

Flip Rate Difference: 0.0972761056887328

Disparity Index: 2.333706606942889, Regular calculation

Flip Rate Disparity: 0.7379566638455592, Regular calculation

Relative Flip Disparity: 0.40006718172657035, Regular calculation

=== Harmful Flip Proportionality Metrics ===

Harmful Flip Proportion Difference: 1.0

Harmful Disparity Index: inf, One value is zero

Harmful Flip Proportionality Disparity: inf, One value is zero

Relative Harmful Flip Disparity: 1.0, Regular calculation

Flip Proportionality Analysis

Visualization