

PAIRWISE DISTRIBUTION COMPARISON SUMMARY

Total Datasets: 10

Total Pairwise Comparisons: 90

Mann-Whitney U Test Results:

- Significant Differences: 40 (44.4%)
- Not Significant: 50 (55.6%)

Kolmogorov-Smirnov Test Results:

- Significant Differences: 50 (55.6%)
- Not Significant: 40 (44.4%)

Agreement Between Tests:

- Both Tests Significant: 40 (44.4%)
- Only Mann-Whitney Significant: 0
- Only Kolmogorov-Smirnov Significant: 10

Test Parameters:

- Significance Level: $\alpha = 0.05$
- Alternative Hypothesis: Two-sided

Legend for Combined Matrix:

- *** = Both tests show significant difference
- * = One test shows significant difference
- ns = No significant difference found

Grid Configurations (sorted by size):

1. 5^3 grids
2. 6^3 grids
3. 7^3 grids
4. 8^3 grids
5. 9^3 grids
6. 10^3 grids
7. 11^3 grids
8. 12^3 grids
9. 13^3 grids
10. 14^3 grids