

PAIRWISE DISTRIBUTION COMPARISON SUMMARY

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Total Datasets: 10

Total Pairwise Comparisons: 90

Mann-Whitney U Test Results:

- Significant Differences: 36 (40.0%)
- Not Significant: 54 (60.0%)

Kolmogorov-Smirnov Test Results:

- Significant Differences: 42 (46.7%)
- Not Significant: 48 (53.3%)

Agreement Between Tests:

- Both Tests Significant: 34 (37.8%)
- Only Mann-Whitney Significant: 2
- Only Kolmogorov-Smirnov Significant: 8

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