





STATISTICAL COMPARISON SUMMARY

Standard XAI Methods: Mean FR: 45.9%

Biometric XAI Methods: Mean FR: 29.2%

Overall Reduction: 36%

Paired t-test: t = 5.02 df = 3 p = 0.0152 Cohen's d = 2.90

Result: SIGNIFICANT (0.0152 < 0.05)

Effect size: LARGE