Information Discovery: Manual vs ML Approaches
Real MI calculations on 10,000 users × 20 features

Manual only finds obvious correlations

ML discovers hidden non-linear relationships

Manual: 3.95 bits
Statistical: 6.08 bits
ML Basic: 6.21 bits
ML Advanced: 6.41 bits
Deep Learning: 6.70 bits

Cumulative Mutual Information (bits)

Discovery Method