Figure 4: CDAE Cross-Domain Adaptation Analysis

(a) Cross-Domain Performance Analysis

- PASE-Net: LOSO 83.0%, LORO 83.0%
- CNN: LOSO 84.2%, LORO 79.6%
- BiLSTM: LOSO 80.3%, LORO 78.9%
- Conformer: LOSO 40.3% (Convergence Failure), LORO 84.1%

(b) Domain Gap Analysis with Outlier Treatment

- Excellent (<1%)
- Acceptable (<5%)
- PASE-Net: 0.0%
- CNN: 4.5%
- BiLSTM: 1.4%
- Conformer: 43.8% (Scale Break)

(c) Cross-Domain Stability Analysis

- Instability Threshold (5%)
- LOSO CV%
- LORO CV%
- PASE-Net: 0.2%, 0.1%
- CNN: 3.0%, 12.2%
- BiLSTM: 2.7%, 5.6%
- Conformer: 50.0%, 4.7%