



### Experiment Summary

#### Translation Experiment Results

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**METHODOLOGY:**

- Training Data: Subjects 2-8 (Source → Subject 1 space)
- Test Data: Subject 1 held-out data
- Architecture: Min2Net + MLP Classifier
- Features: Time-domain statistical features

**PERFORMANCE COMPARISON:**

Original Data MLP:

- Accuracy: 0.5714
- F1 Score: 0.6667
- Precision: 0.5000
- Recall: 1.0000

Translated Data MLP:

- Accuracy: 0.7143
- F1 Score: 0.7500
- Precision: 0.6000
- Recall: 1.0000

**IMPROVEMENTS:**

- Accuracy: +0.1429
- F1 Score: +0.0833
- Precision: +0.1000
- Recall: +0.0000

**CONCLUSION:**

Translation shows SIGNIFICANT improvement