Functional Data

Separation Ratio: 1.44
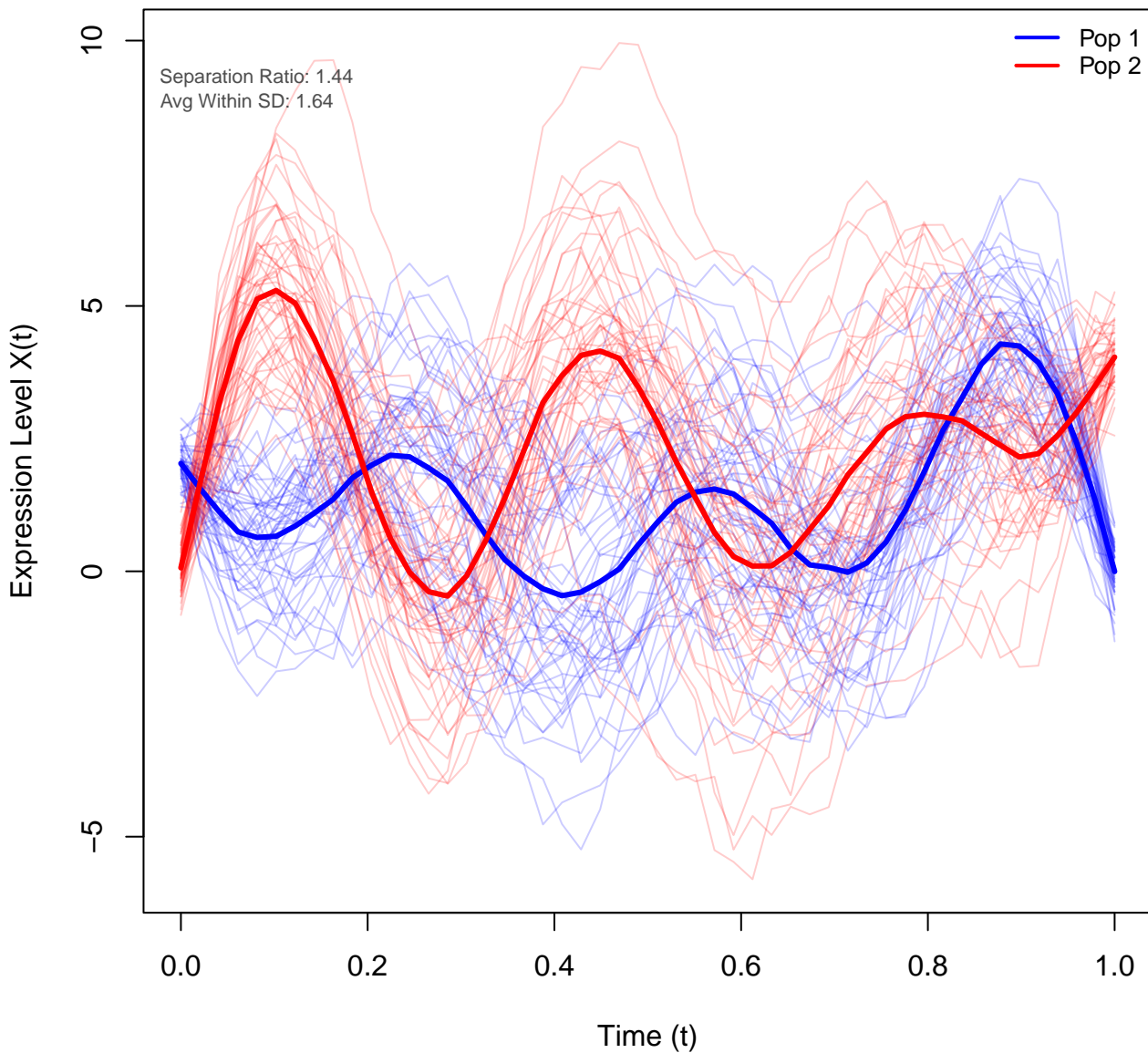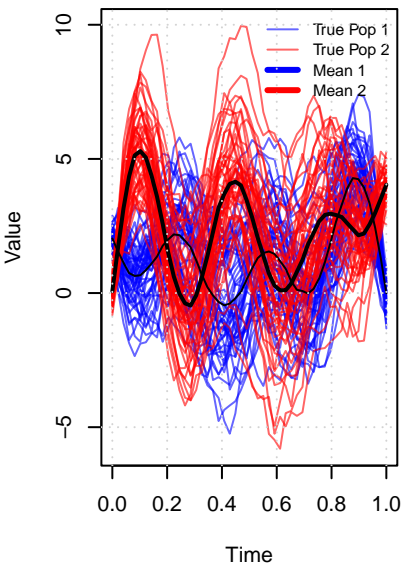Avg Within SD: 1.64
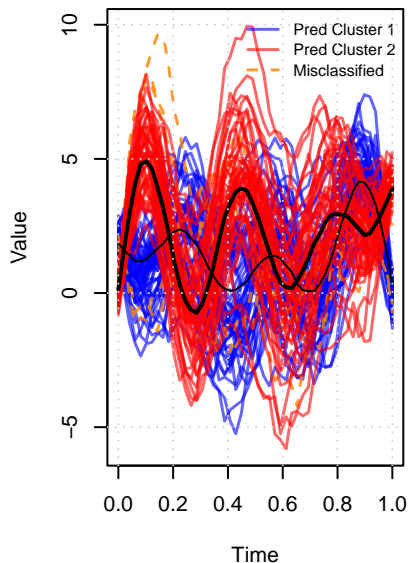
Pop 1
Pop 2

Expression Level X(t)

Time (t)

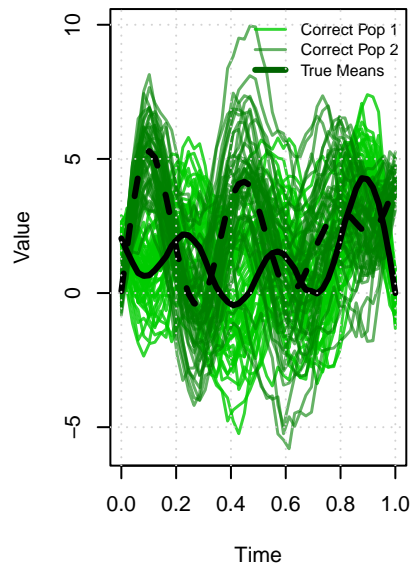**Functional K−Means Clustering Results (Accuracy: 93.0%)**
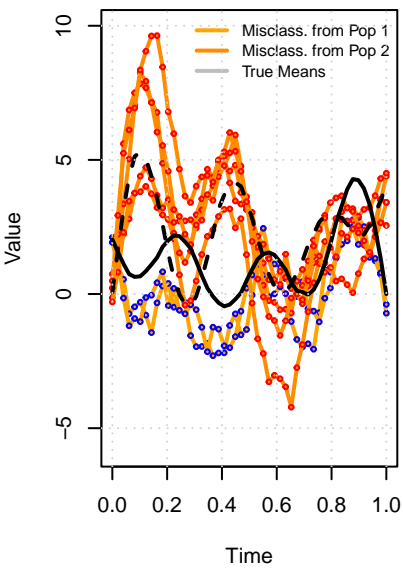
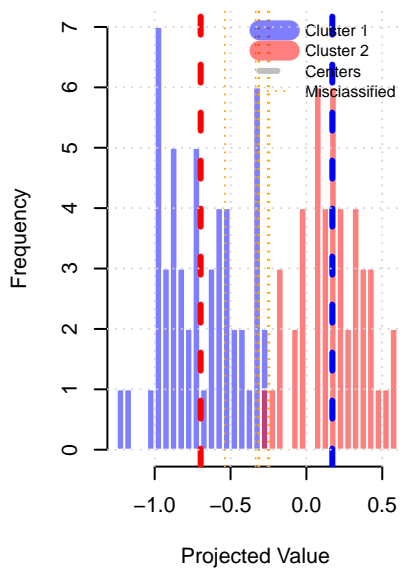**Original Data (True Labels)**

Predicted Clusters

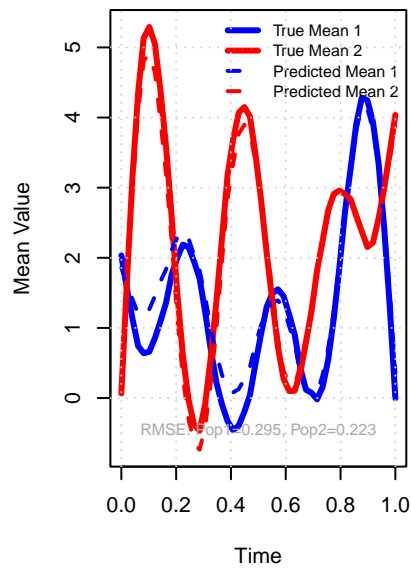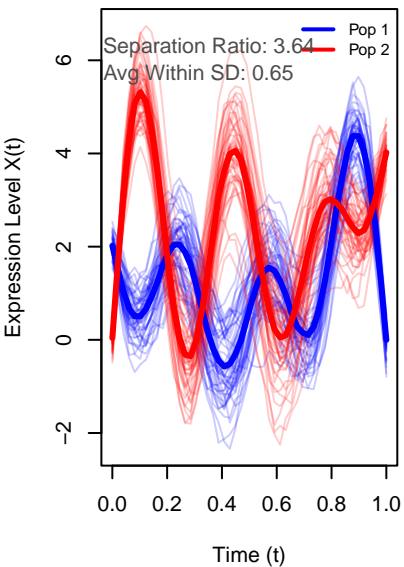**Correct Predictions (93/100 = 93.0**

Incorrect Predictions (7/100)

Projected Data Distribution
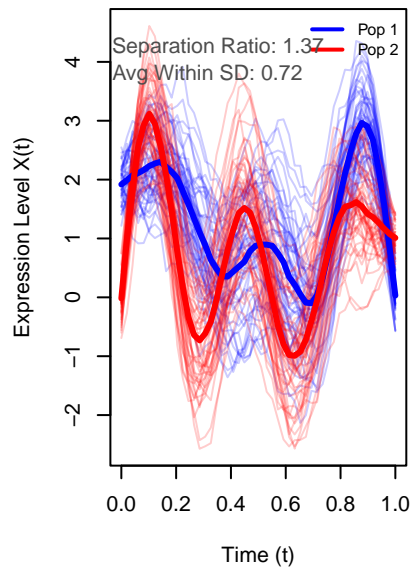
True vs Predicted Mean Profiles

Functional Data

Separation Ratio: 3.64
Avg Within SD: 0.65

Pop 1
Pop 2

Expression Level X(t)

Time (t)

Functional Data

Separation Ratio: 1.36
Avg Within SD: 1.85

Pop 1
Pop 2

Expression Level X(t)

Time (t)

Functional Data

Separation Ratio: 1.37
Avg Within SD: 0.72

Pop 1
Pop 2

Expression Level X(t)

Time (t)

Functional Data

Separation Ratio: 0.46
Avg Within SD: 1.82

Pop 1
Pop 2

Expression Level X(t)

Time (t)