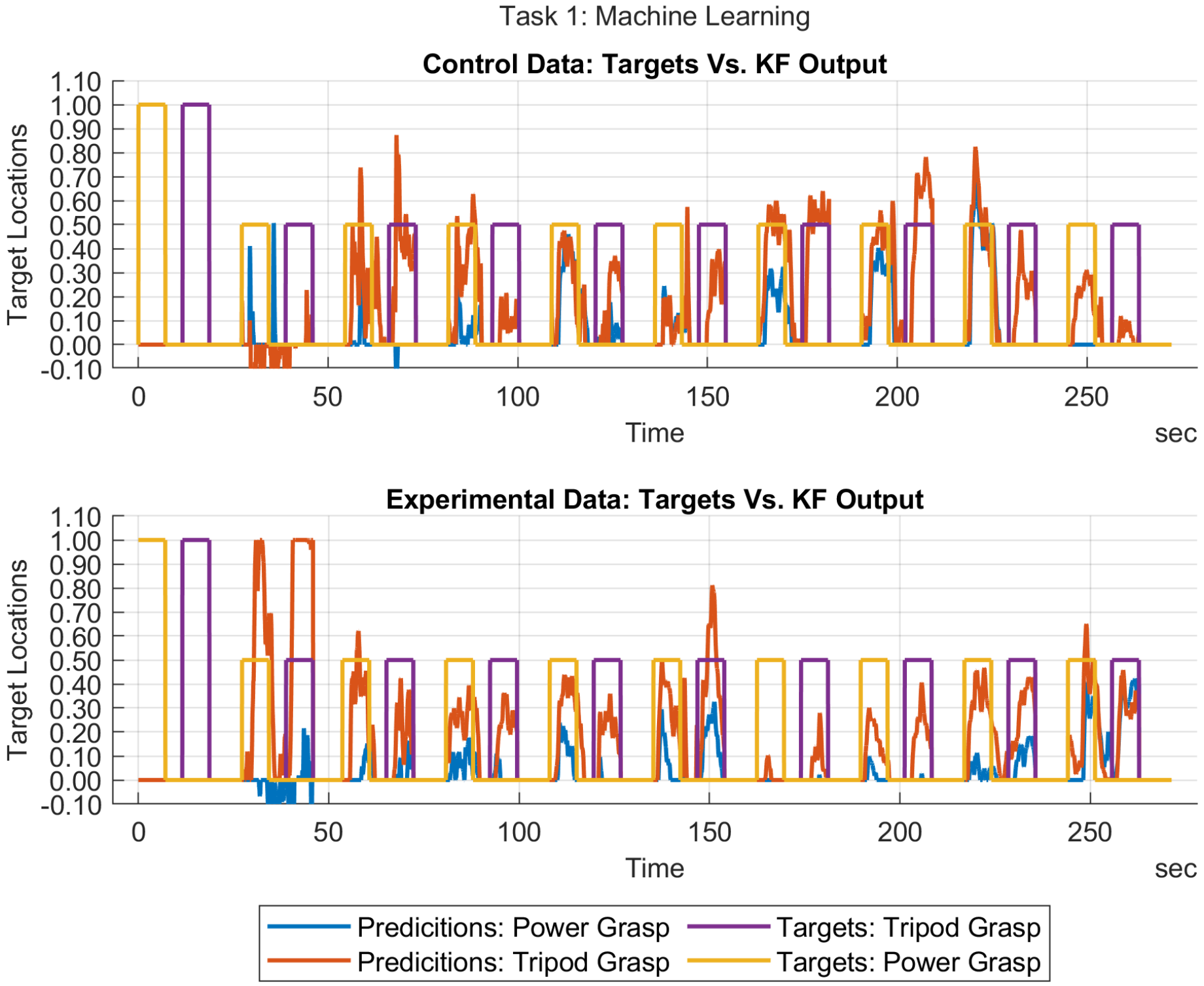
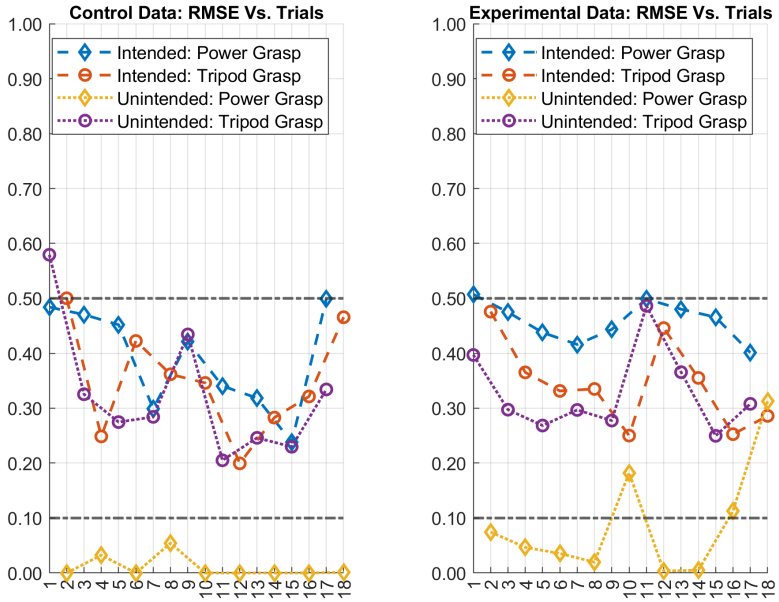
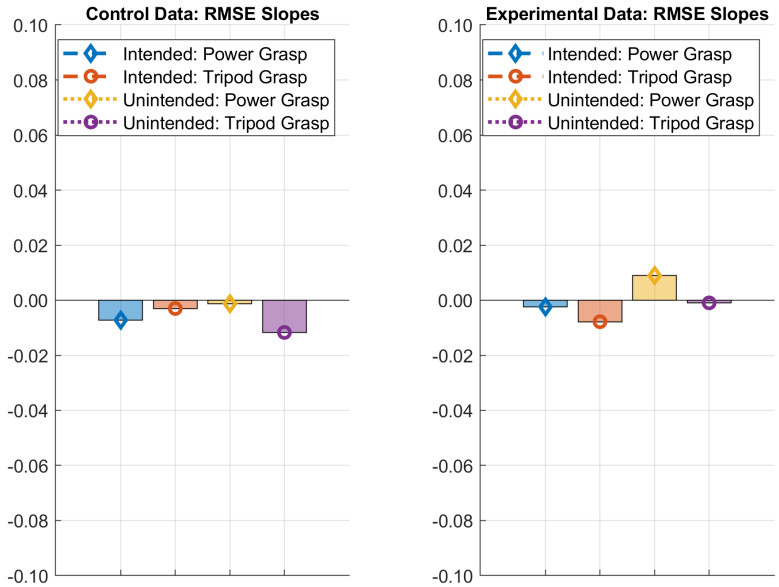

Task 1: Machine Learning
Control Data: Targets Vs. KF Output
Target Locations
1.10
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
-0.10
0
50
100
150
200
250
Time
sec
Experimental Data: Targets Vs. KF Output
Target Locations
Time
sec
Predicitions: Power Grasp
Predicitions: Tripod Grasp
Targets: Tripod Grasp
Targets: Power Grasp

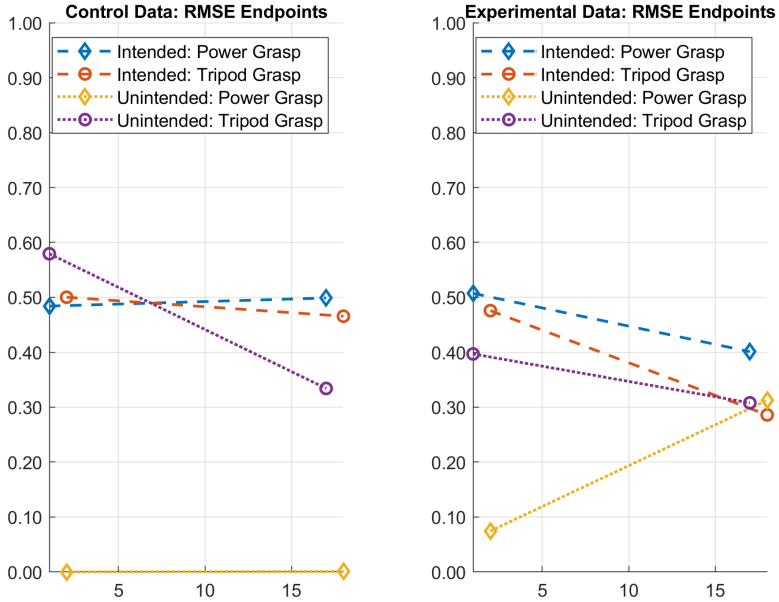
Task 1: Machine Learning (Non-Normal)

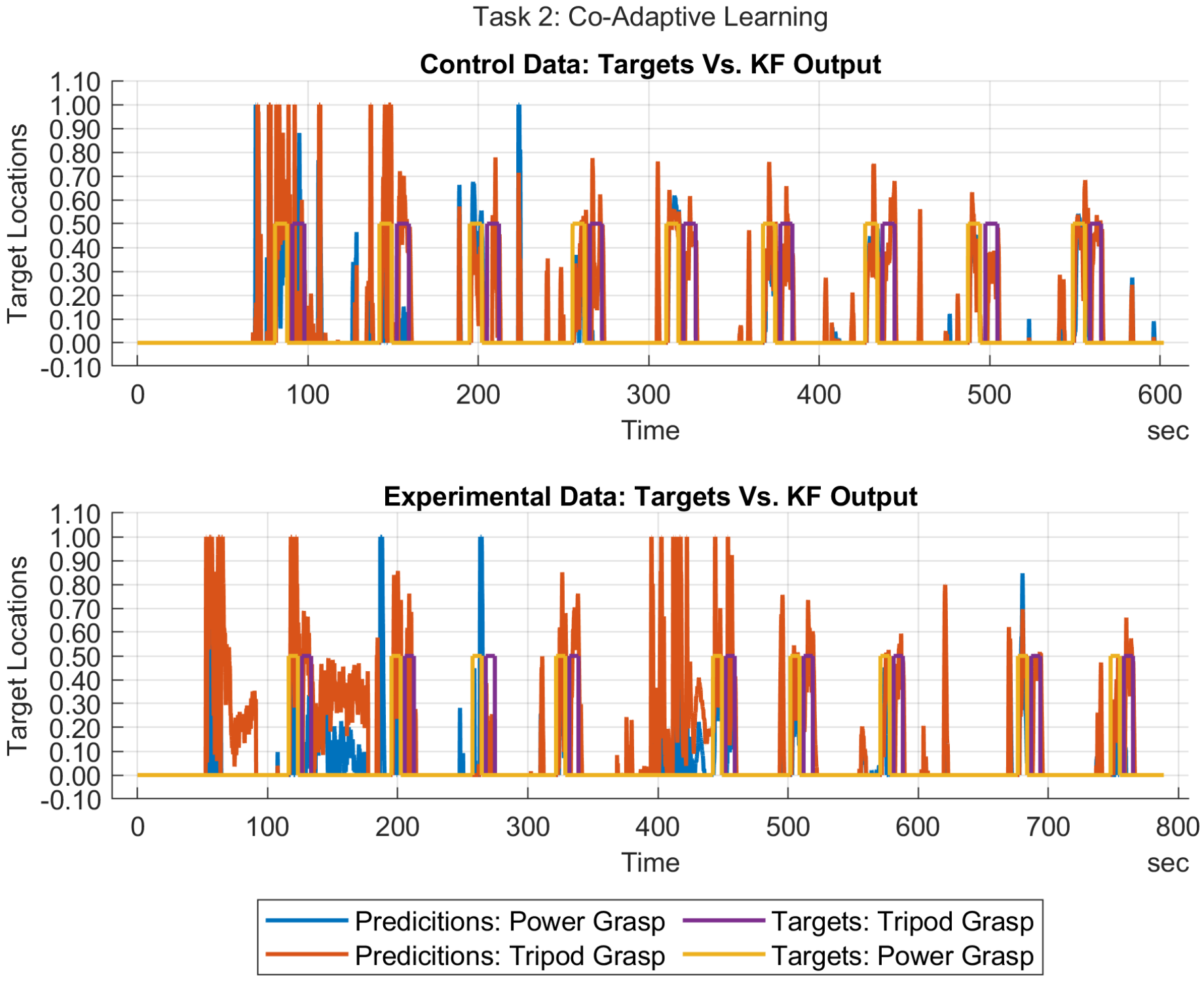


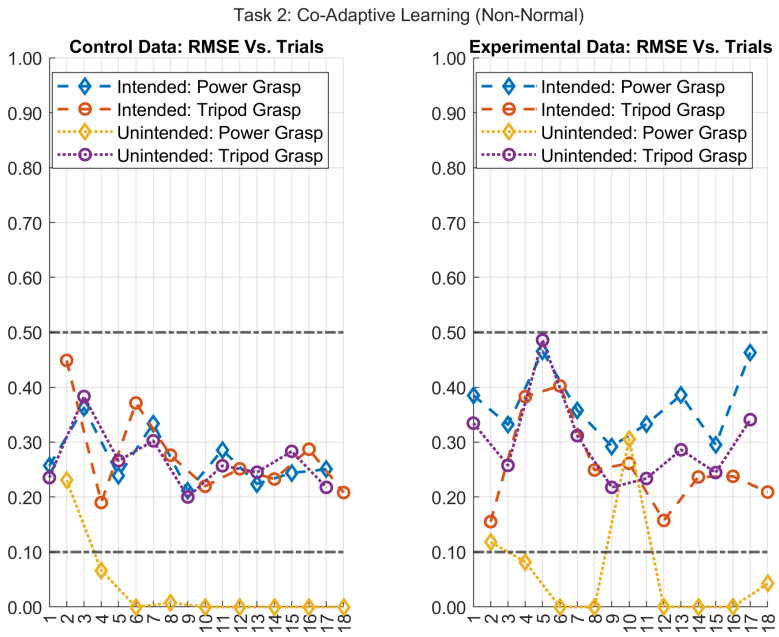
Task 1: Machine Learning (Non-Normal)

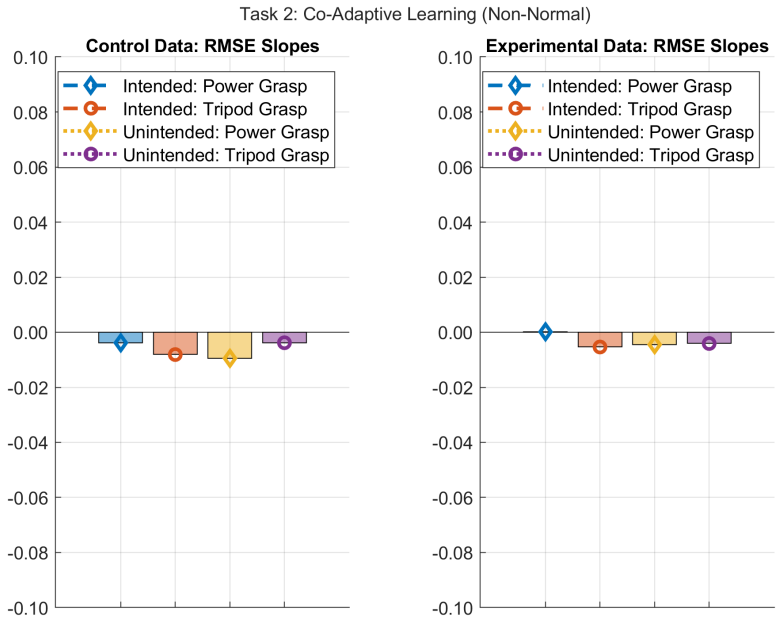


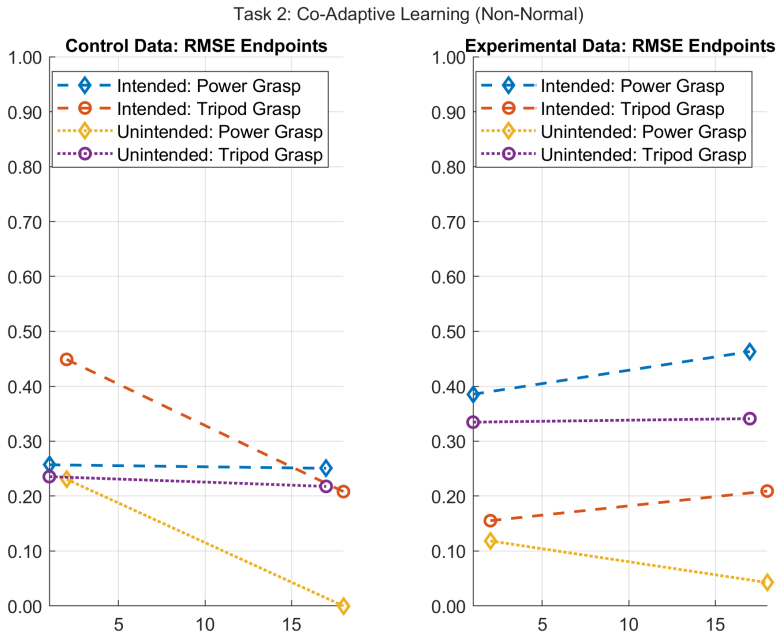
Task 1: Machine Learning (Non-Normal)

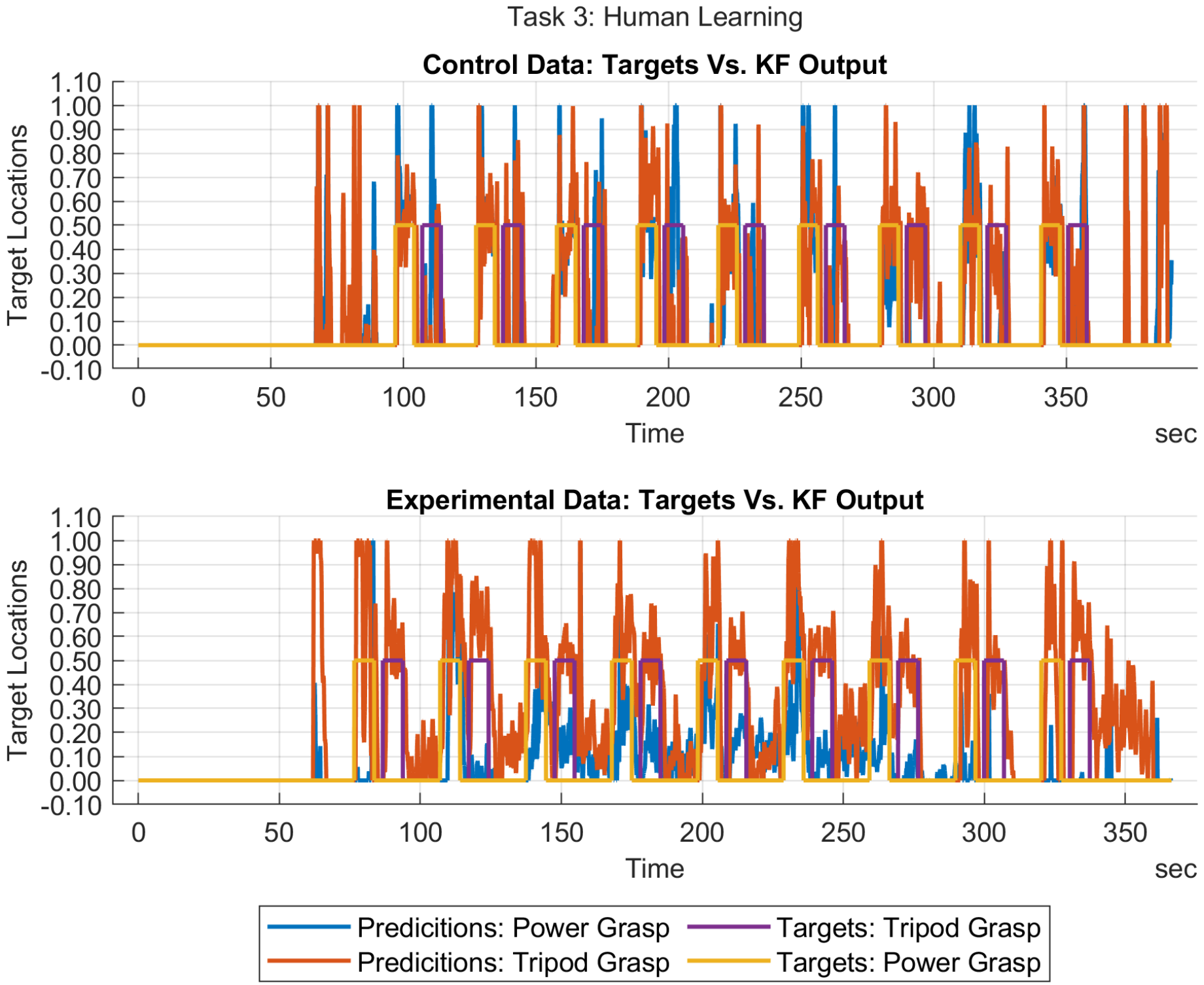



Task 2: Co-Adaptive Learning
Control Data: Targets Vs. KF Output
Target Locations
1.10
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
-0.10
0
100
200
300
400
500
600
Time
sec
Experimental Data: Targets Vs. KF Output
Target Locations
1.10
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
-0.10
0
100
200
300
400
500
600
700
800
Time
sec
Predicitions: Power Grasp
Predicitions: Tripod Grasp
Targets: Tripod Grasp
Targets: Power Grasp

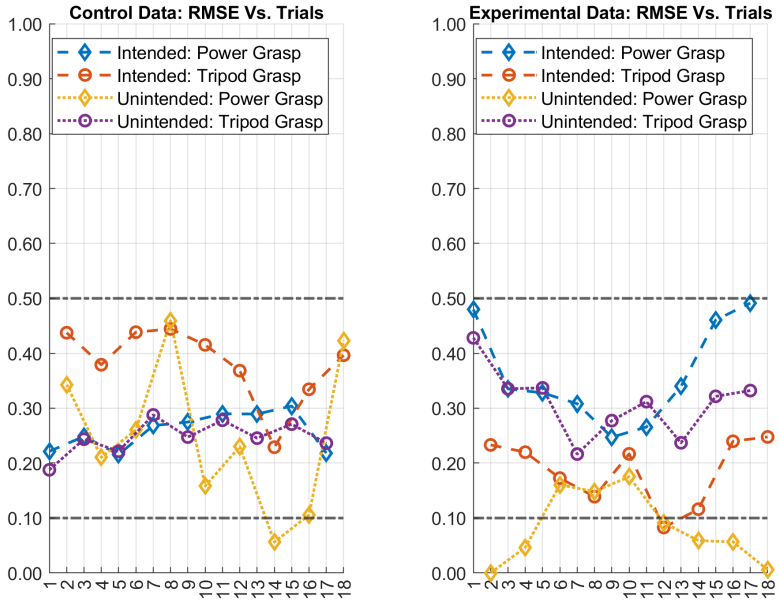

Task 2: Co-Adaptive Learning (Non-Normal)
Control Data: RMSE Vs. Trials
Experimental Data: RMSE Vs. Trials
Intended: Power Grasp
Intended: Tripod Grasp
Unintended: Power Grasp
Unintended: Tripod Grasp

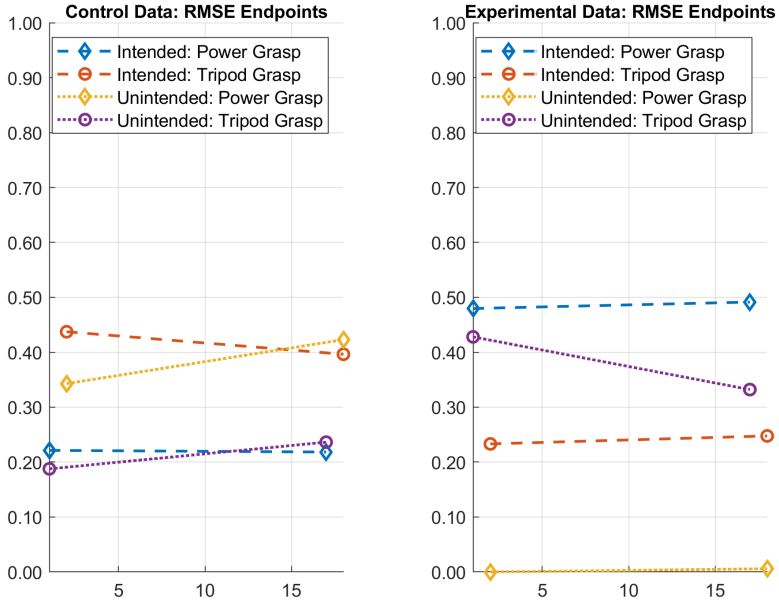

Task 2: Co-Adaptive Learning (Non-Normal)
Control Data: RMSE Slopes
Experimental Data: RMSE Slopes
Intended: Power Grasp
Intended: Tripod Grasp
Unintended: Power Grasp
Unintended: Tripod Grasp


Task 2: Co-Adaptive Learning (Non-Normal)
Control Data: RMSE Endpoints
Experimental Data: RMSE Endpoints
Intended: Power Grasp
Intended: Tripod Grasp
Unintended: Power Grasp
Unintended: Tripod Grasp


Task 3: Human Learning
Control Data: Targets Vs. KF Output
Target Locations
1.10
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
-0.10
0
50
100
150
200
250
300
350
Time
sec
Experimental Data: Targets Vs. KF Output
Target Locations
1.10
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
-0.10
0
50
100
150
200
250
300
350
Time
sec
Predicitions: Power Grasp
Predicitions: Tripod Grasp
Targets: Tripod Grasp
Targets: Power Grasp

Task 3: Human Learning (Non-Normal)



Task 3: Human Learning (Non-Normal)

Task 3: Human Learning (Non-Normal)