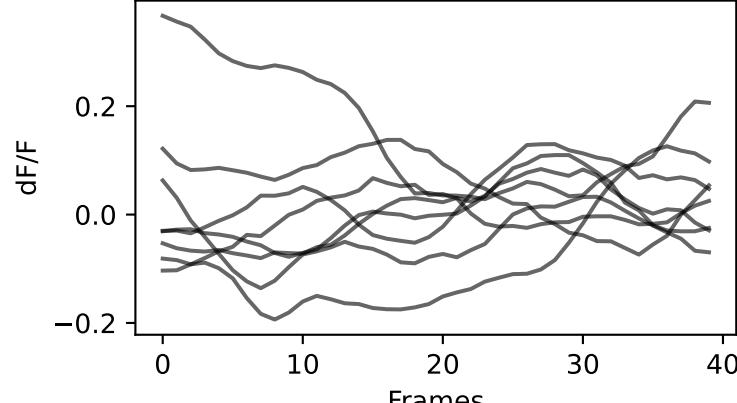
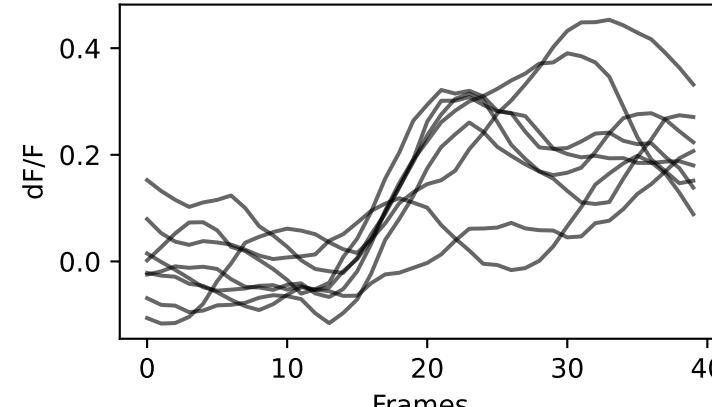


Config 23, ROI 21

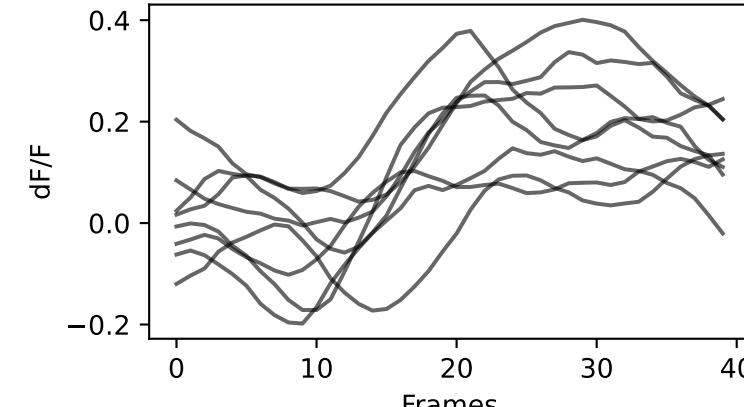
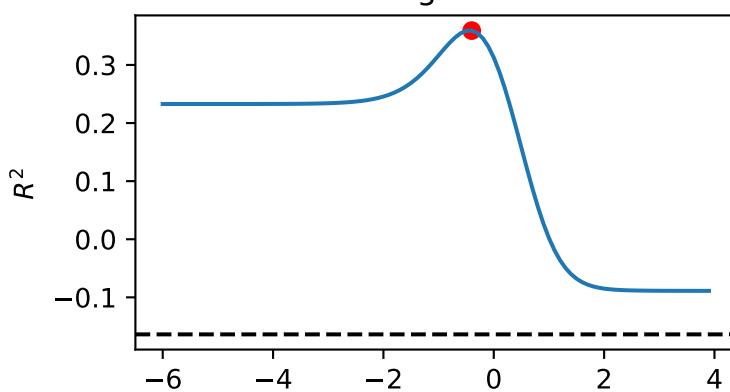
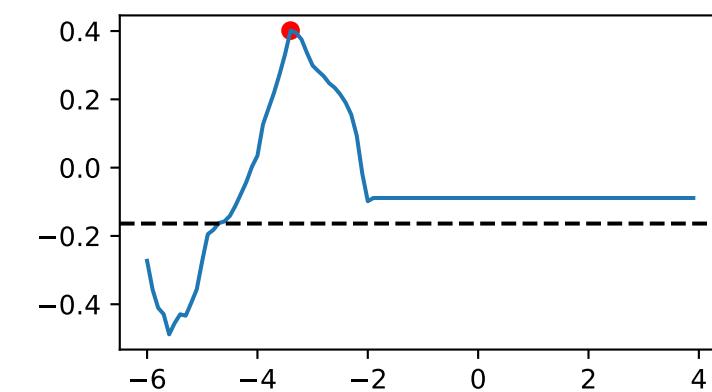
Session 1



Session 2

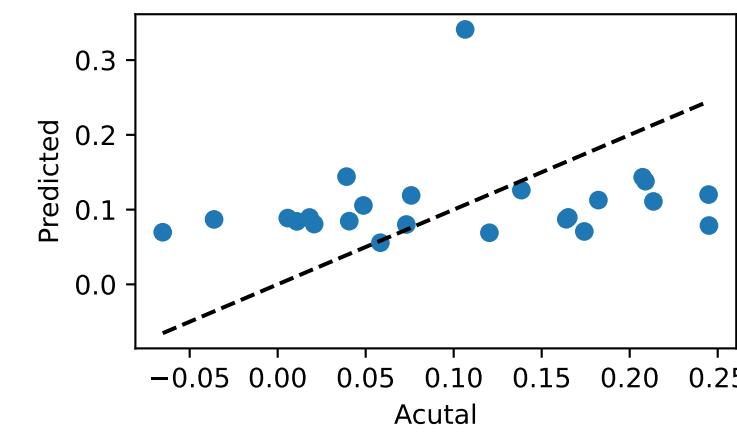
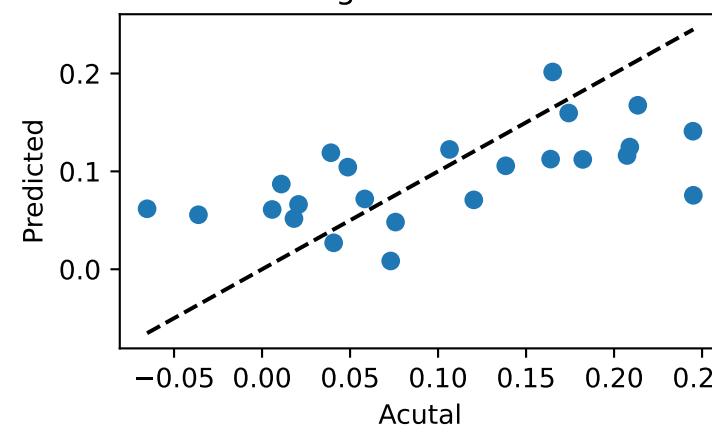
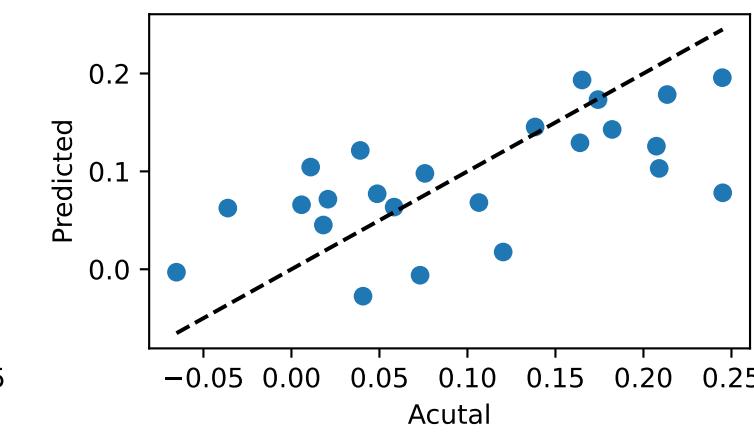


Session 3

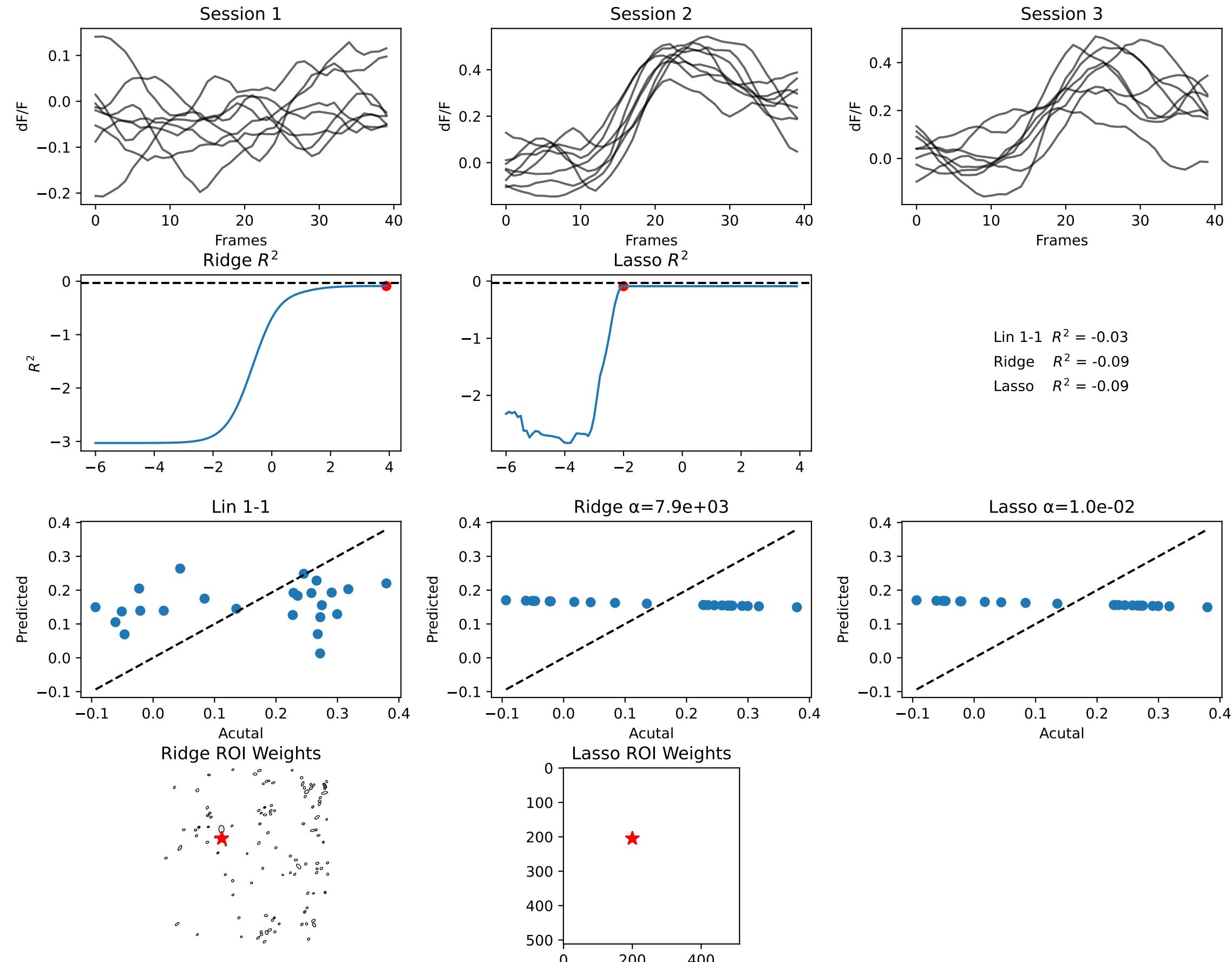
Ridge  $R^2$ Lasso  $R^2$ 

Lin 1-1  $R^2 = -0.16$   
 Ridge  $R^2 = 0.36$   
 Lasso  $R^2 = 0.40$

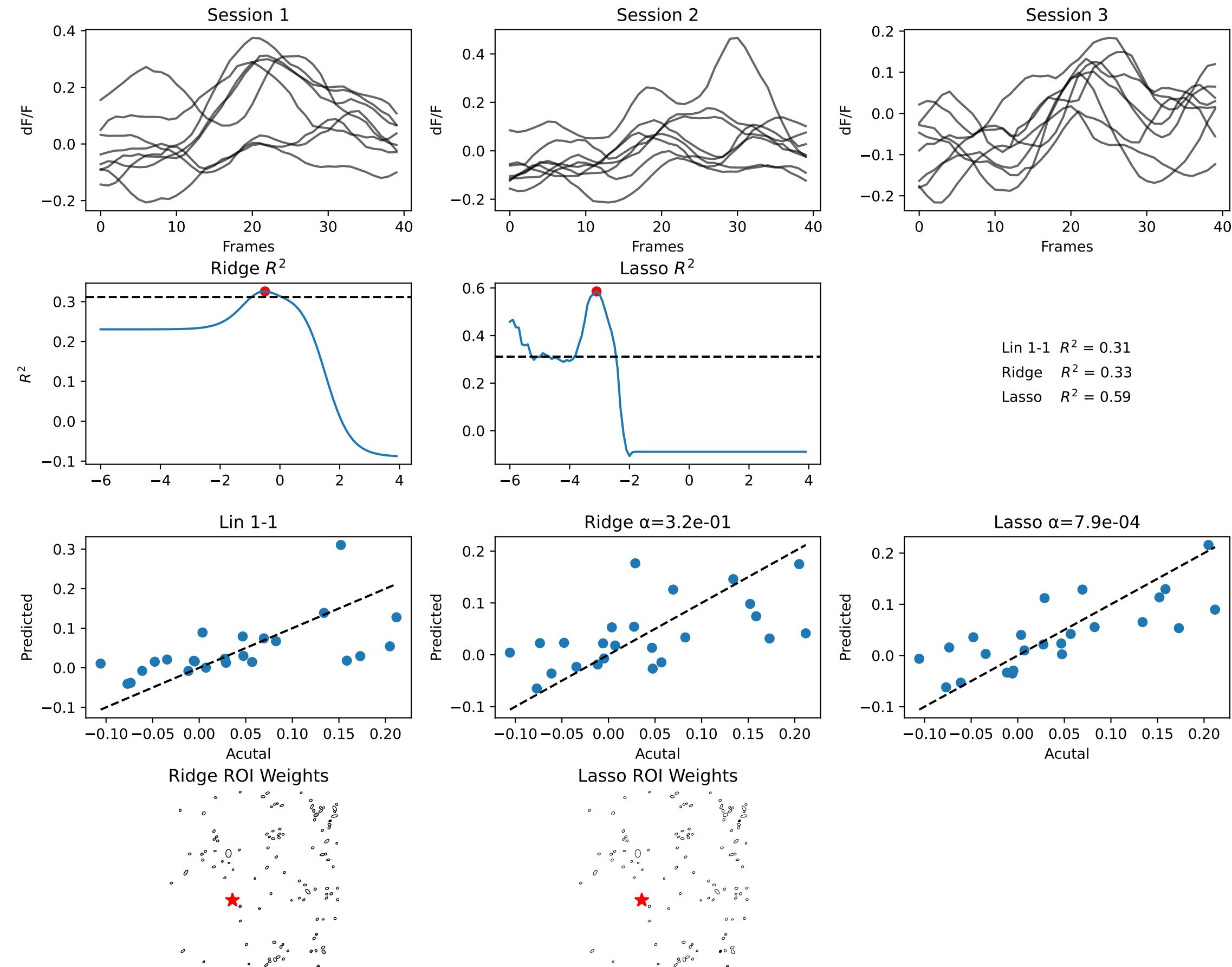
Lin 1-1

Ridge  $\alpha=4.0\text{e-}01$ Lasso  $\alpha=4.0\text{e-}04$ 

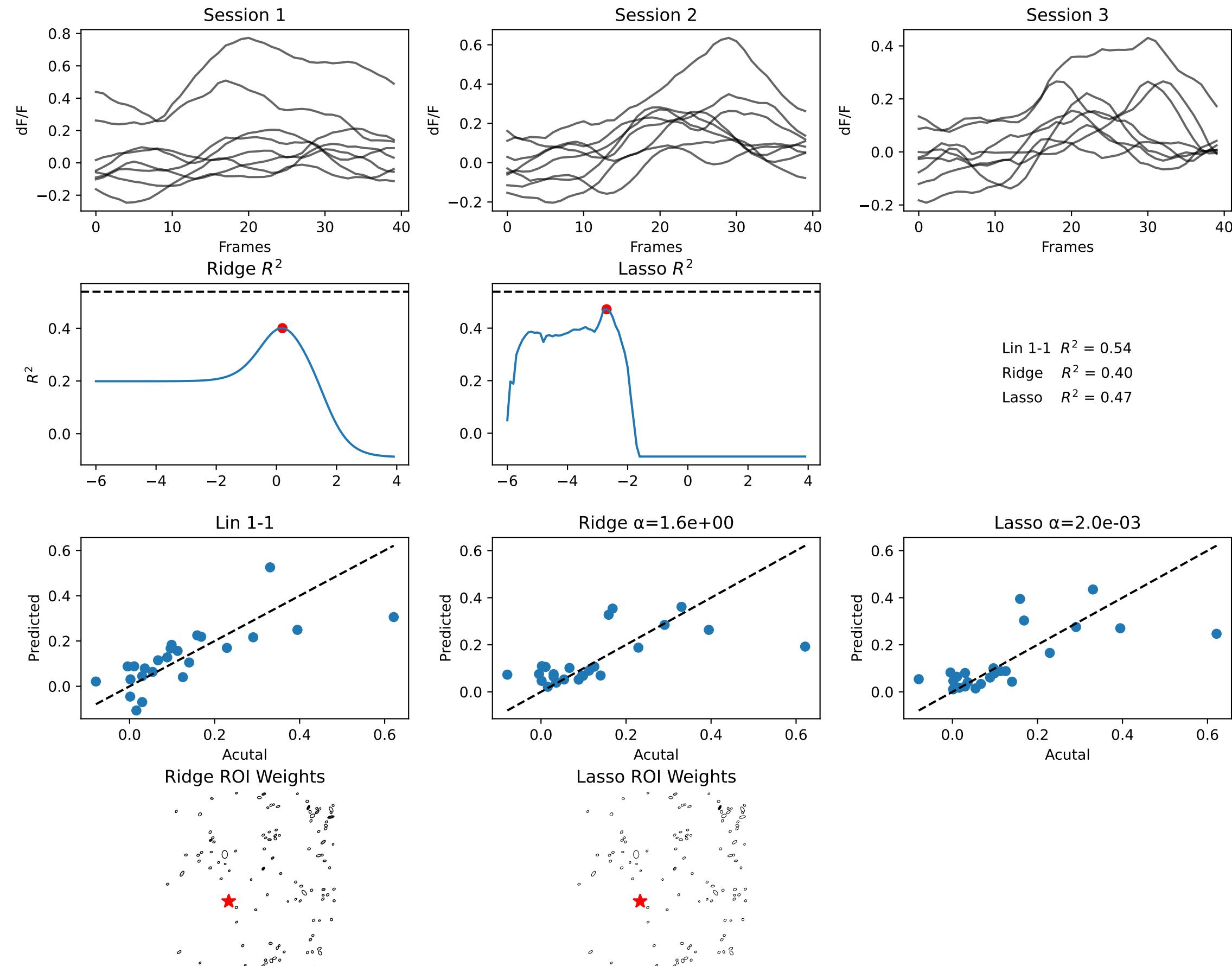
### Config 24, ROI 21



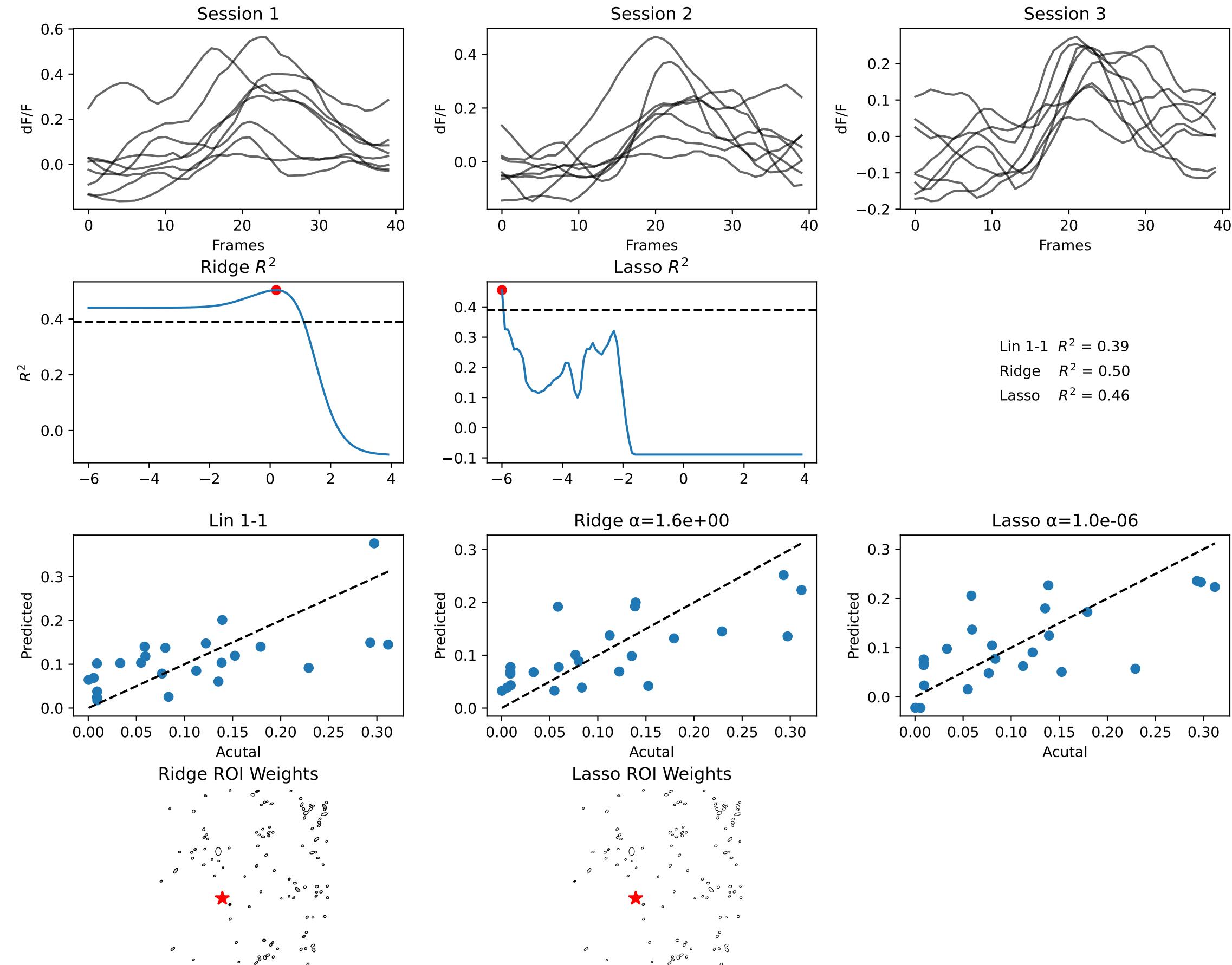
Config 3, ROI 22



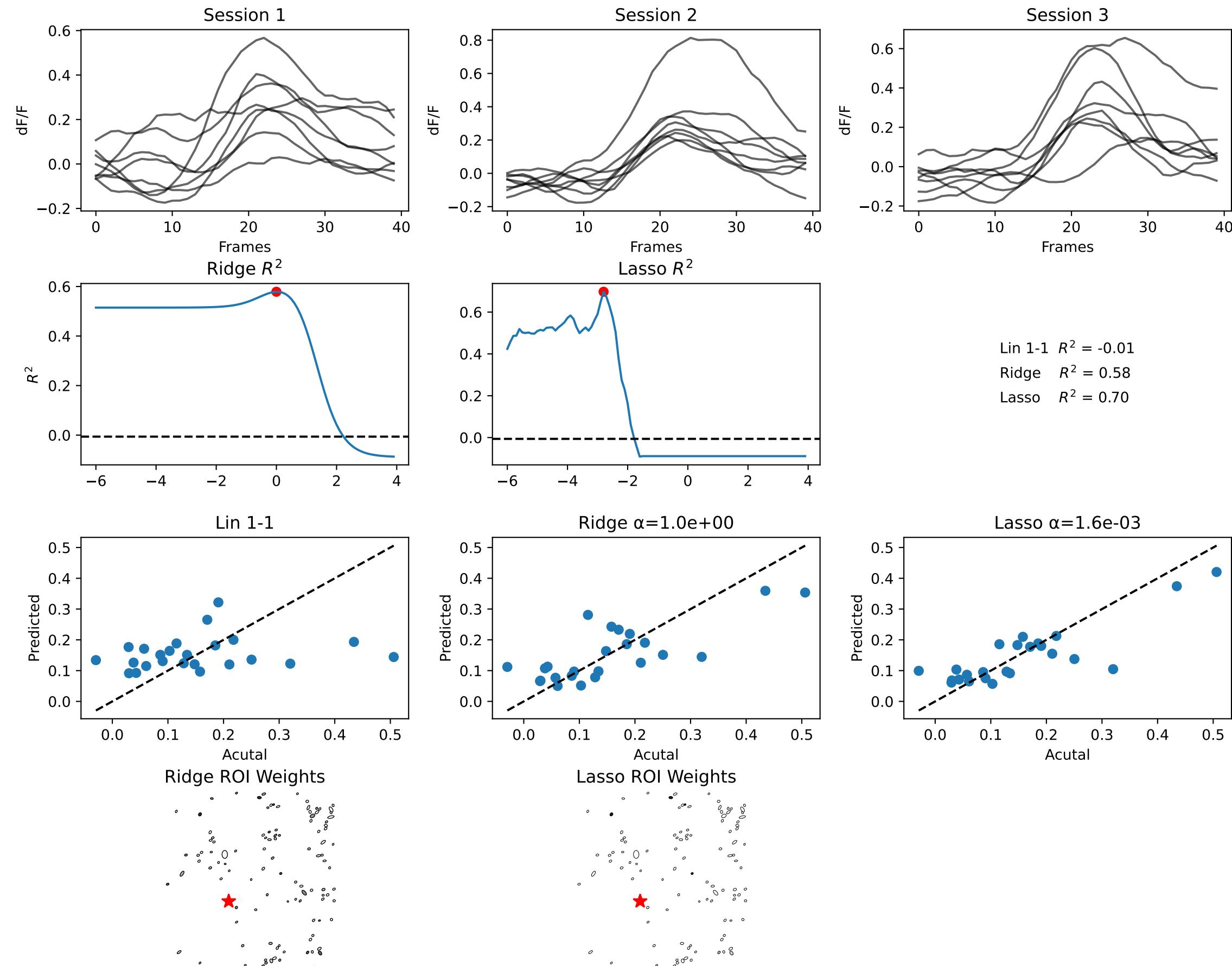
Config 13, ROI 22



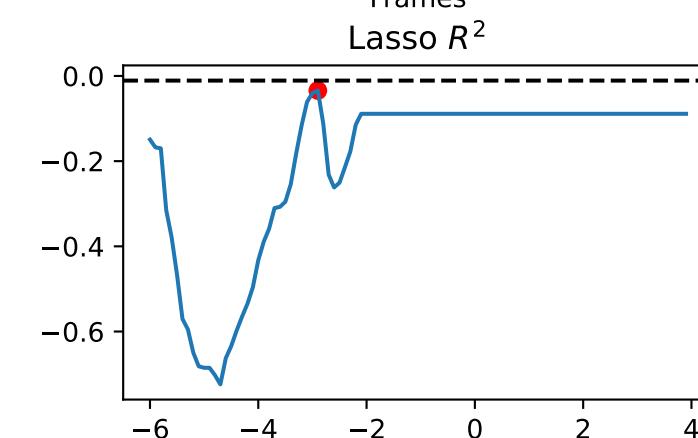
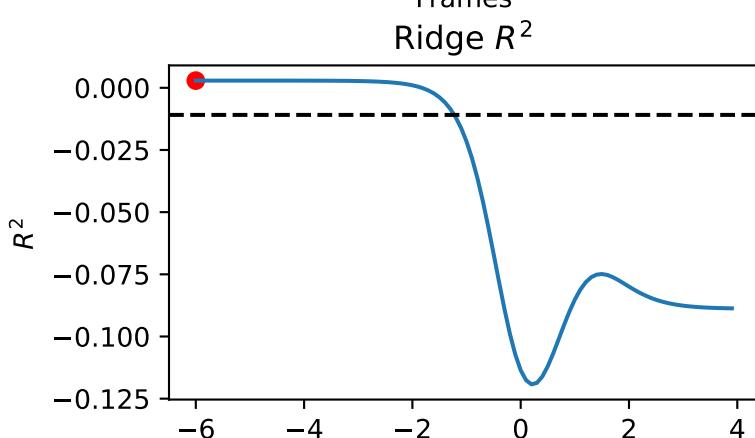
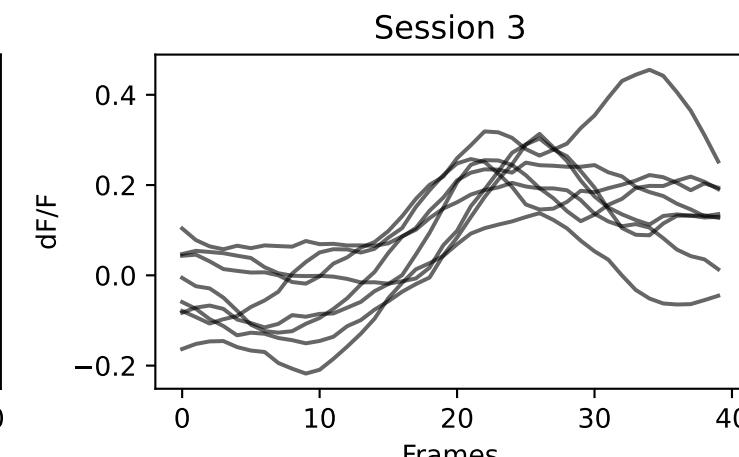
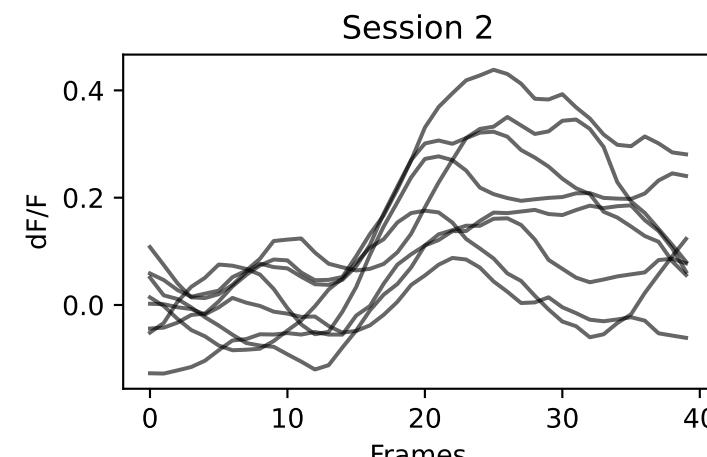
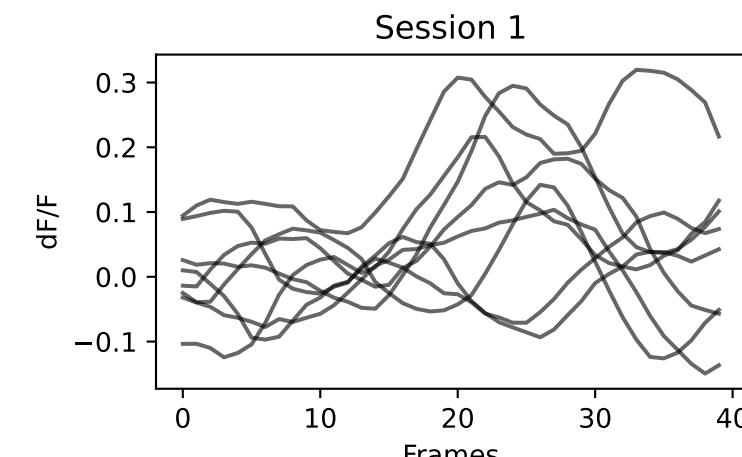
Config 14, ROI 22



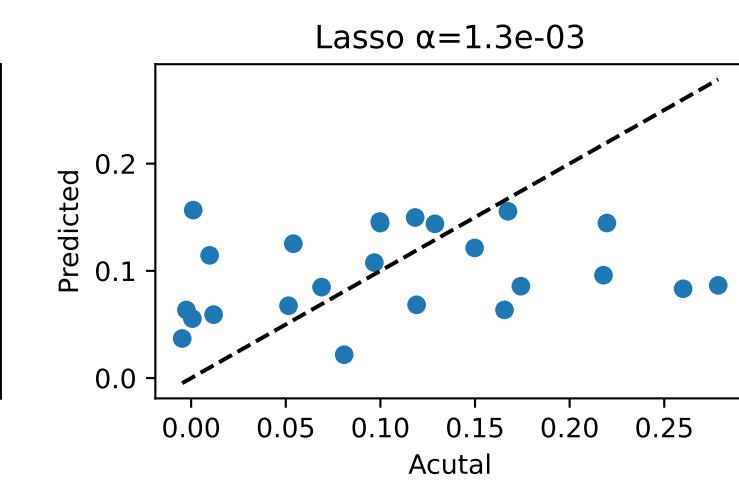
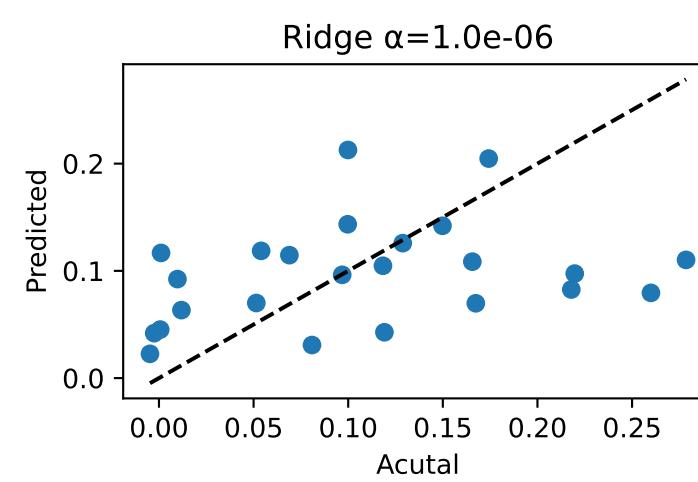
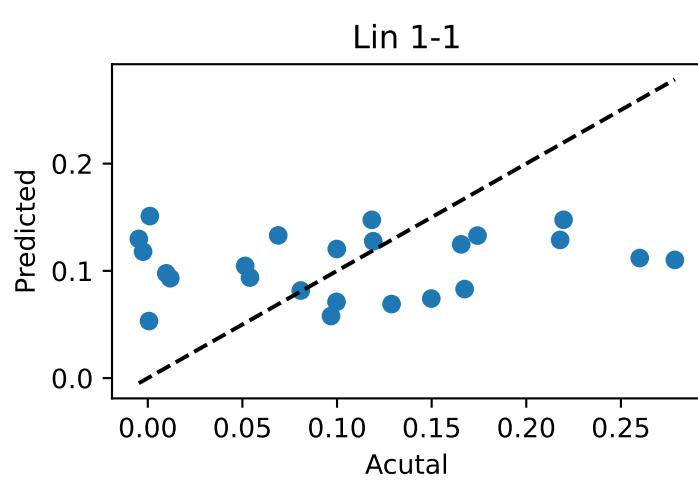
Config 15, ROI 22



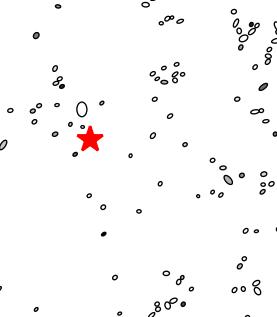
Config 14, ROI 23



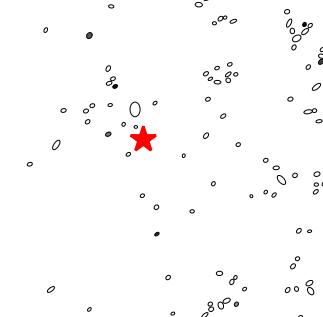
Lin 1-1  $R^2 = -0.01$   
 Ridge  $R^2 = 0.00$   
 Lasso  $R^2 = -0.03$



Ridge ROI Weights

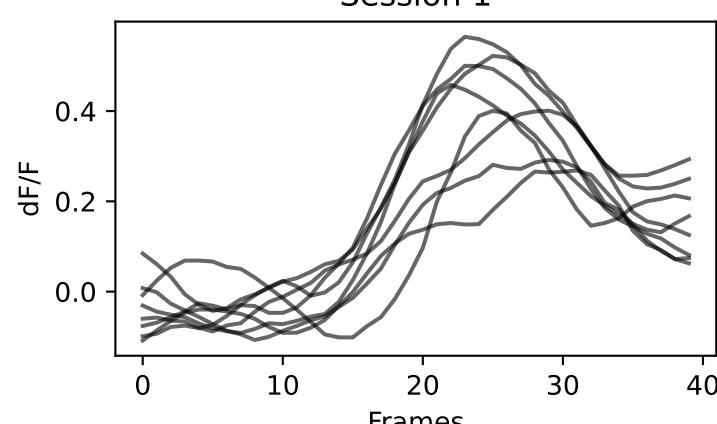


Lasso ROI Weights

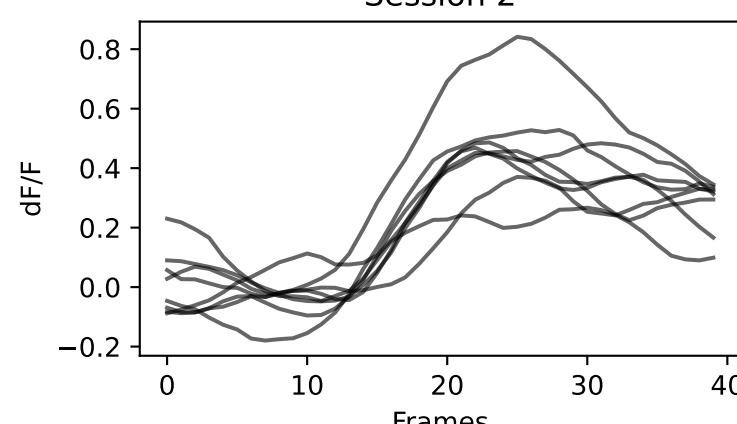


Config 15, ROI 23

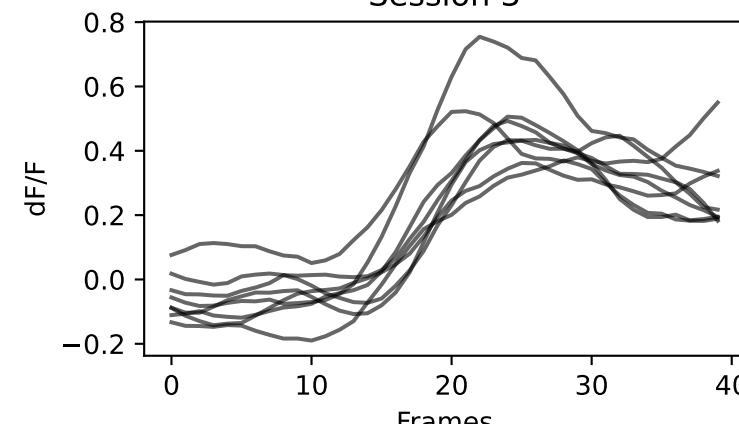
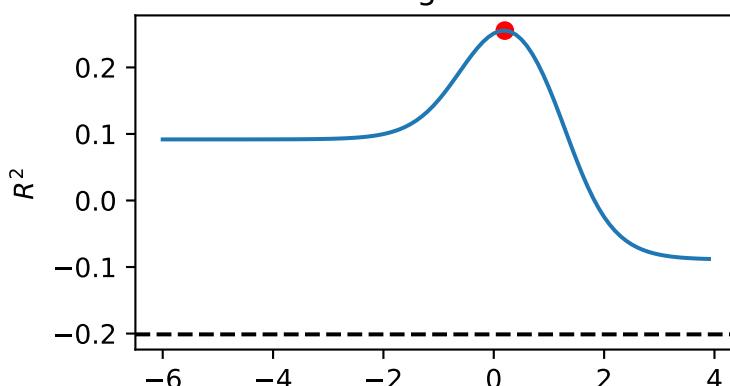
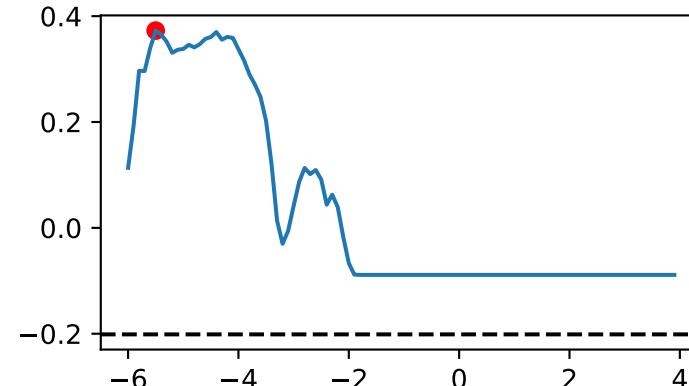
Session 1



Session 2

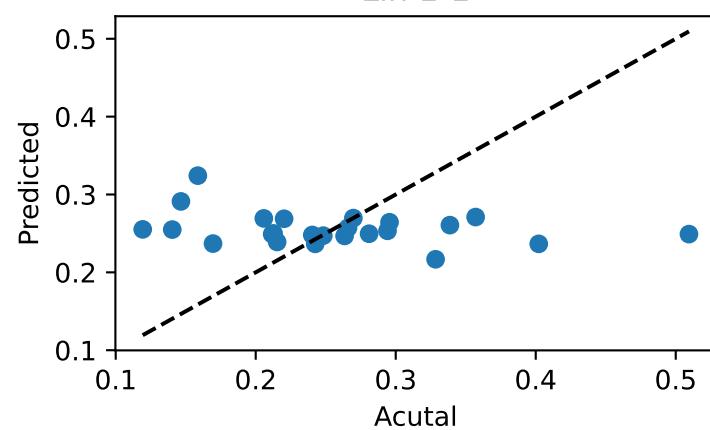


Session 3

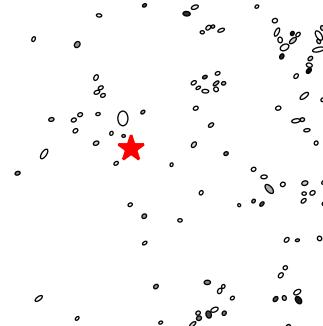
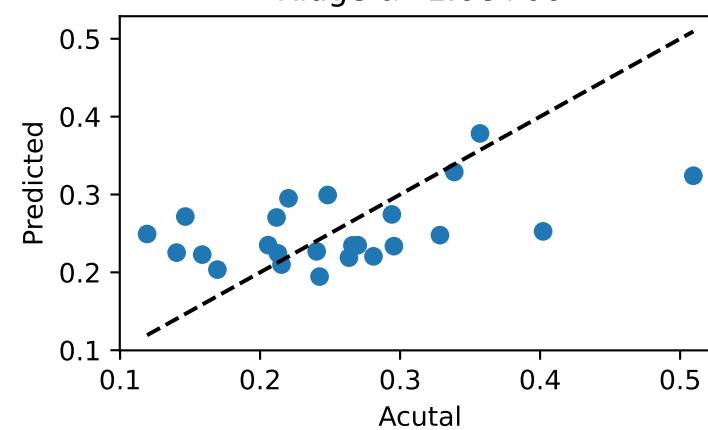
Ridge  $R^2$ Lasso  $R^2$ 

Lin 1-1  $R^2 = -0.20$   
 Ridge  $R^2 = 0.26$   
 Lasso  $R^2 = 0.37$

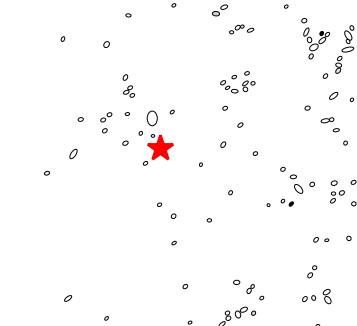
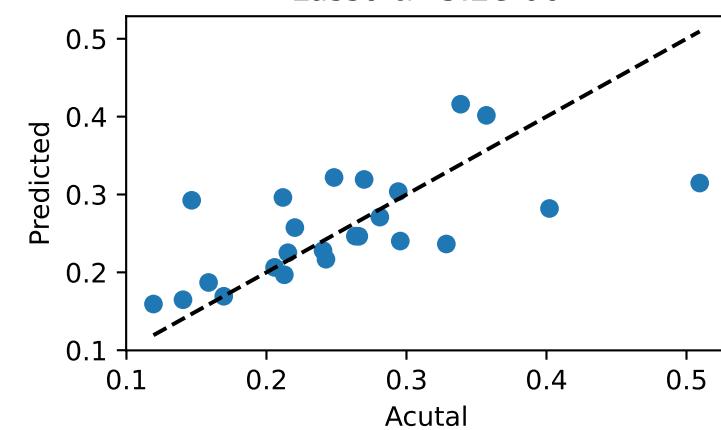
Lin 1-1



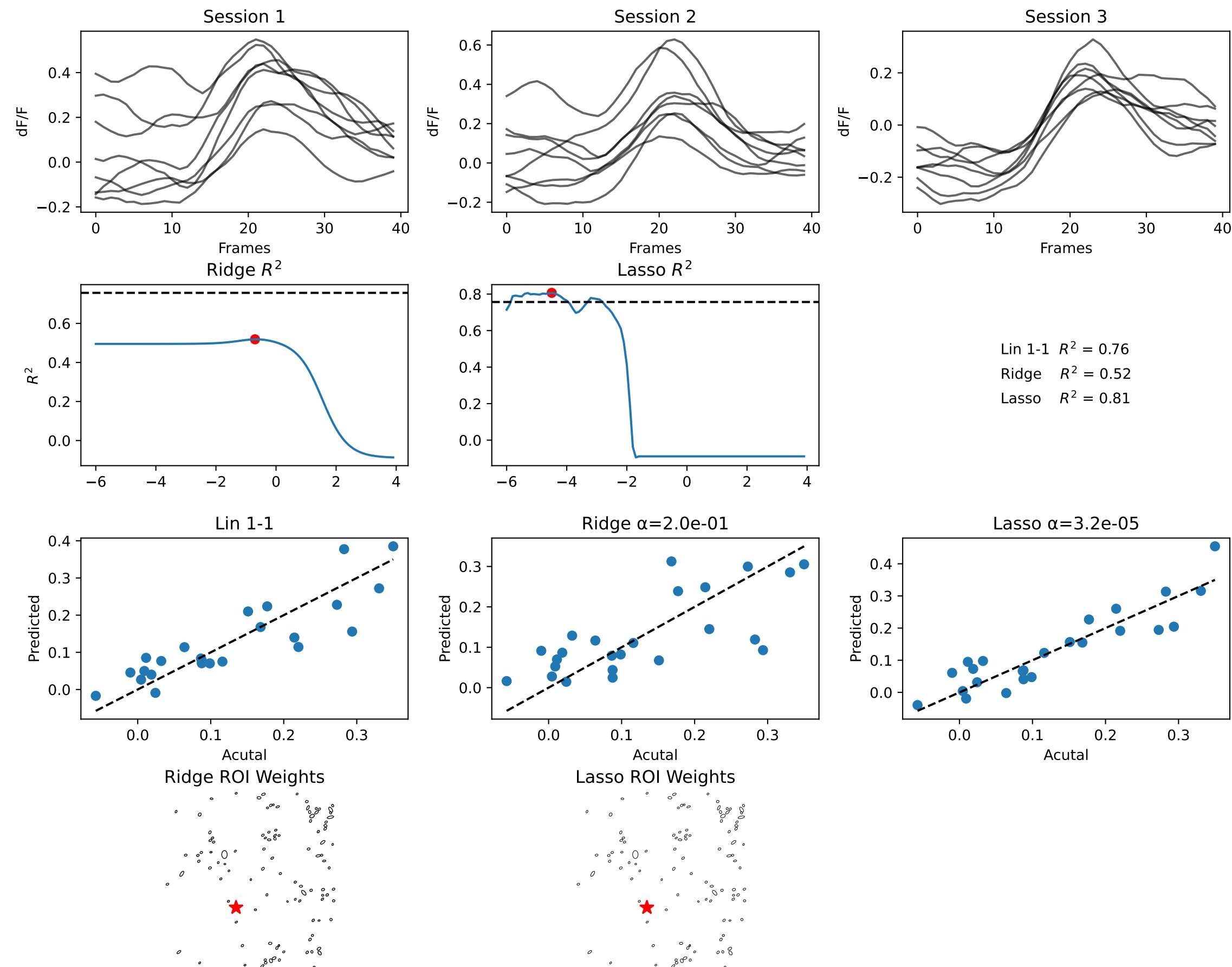
Ridge ROI Weights

Ridge  $\alpha=1.6e+00$ 

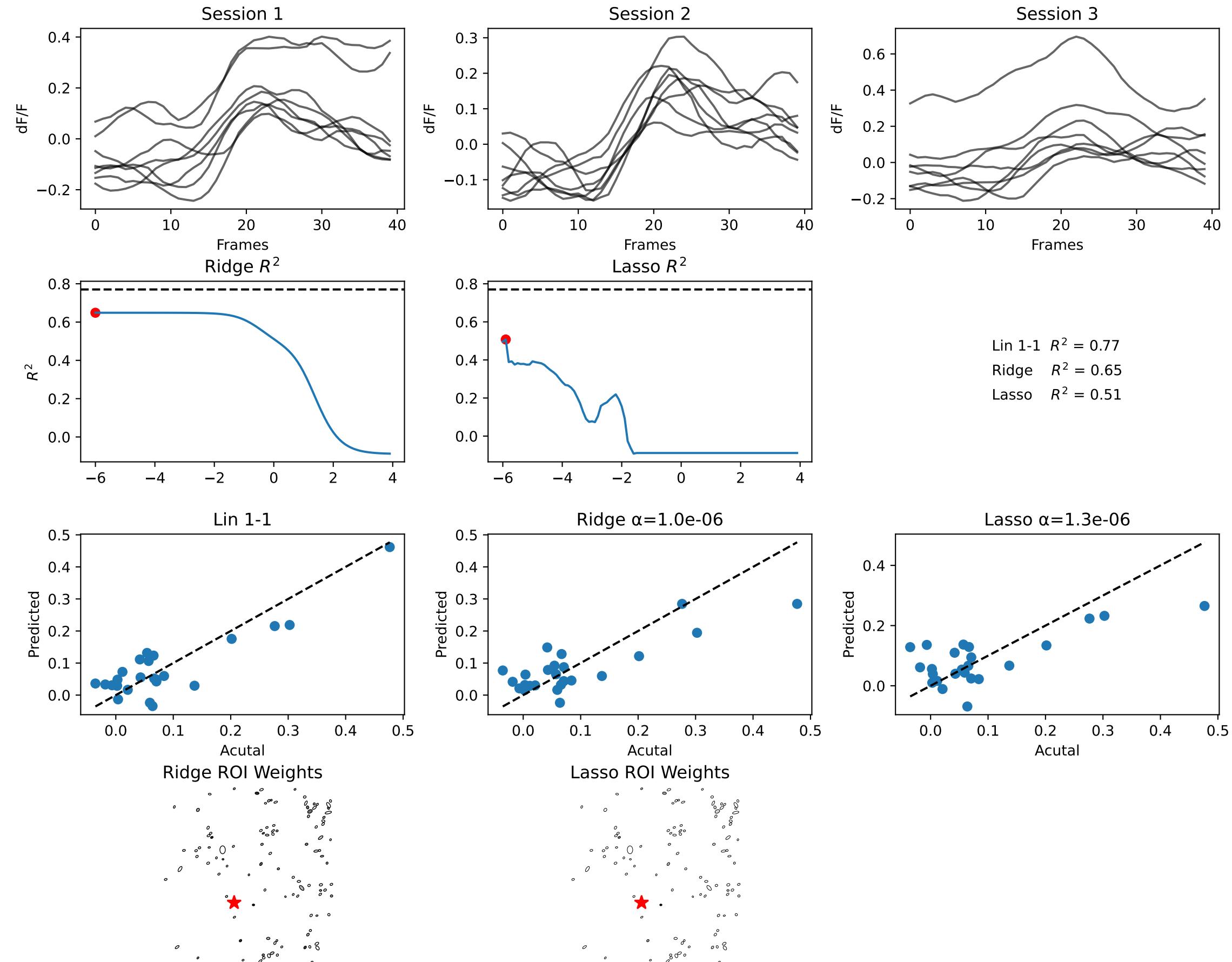
Lasso ROI Weights

Lasso  $\alpha=3.2e-06$ 

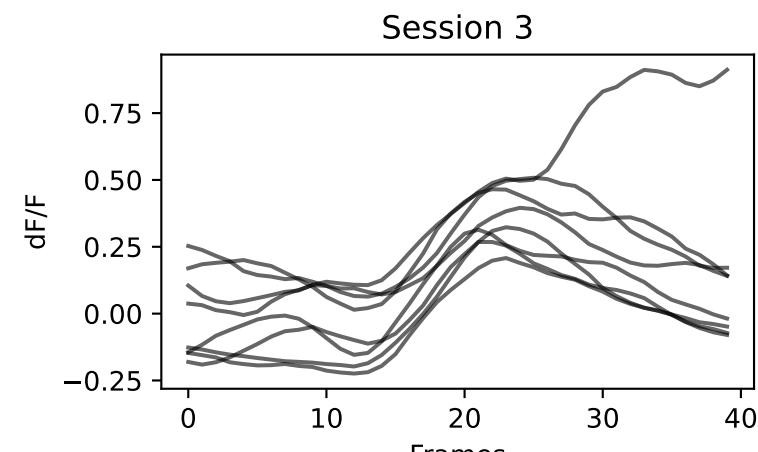
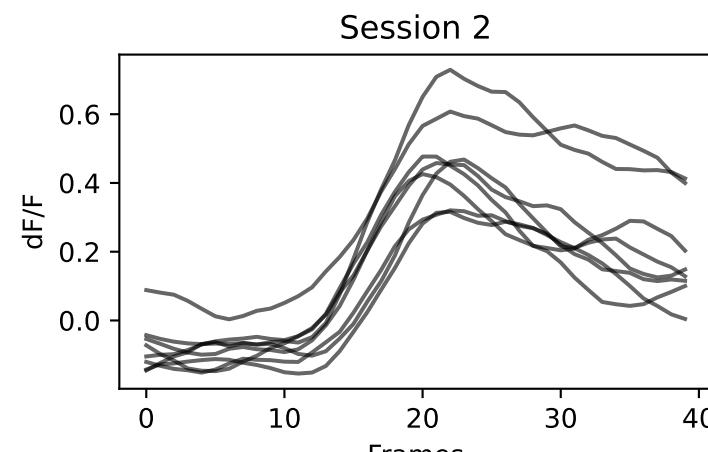
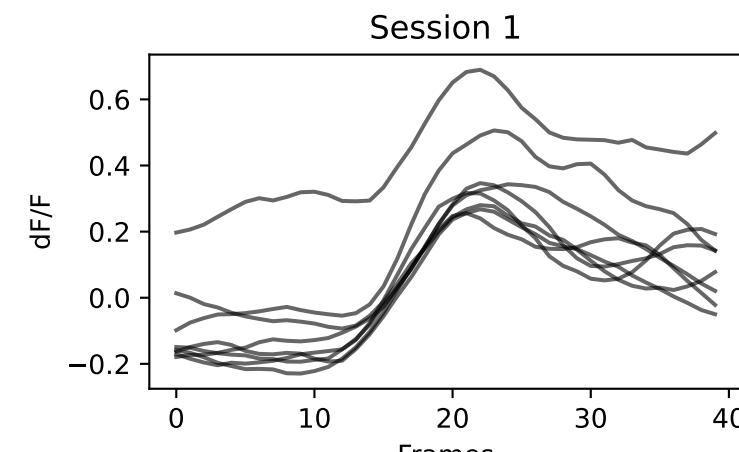
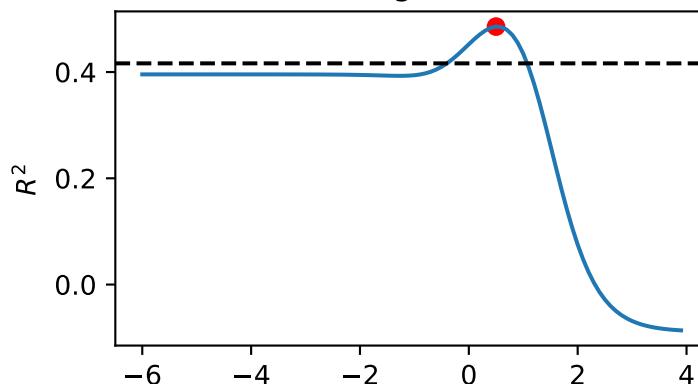
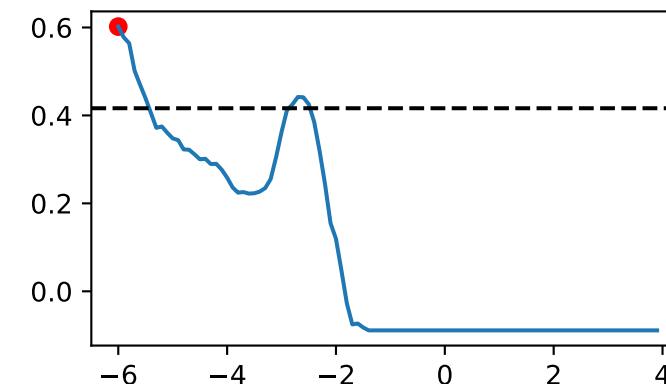
Config 3, ROI 26



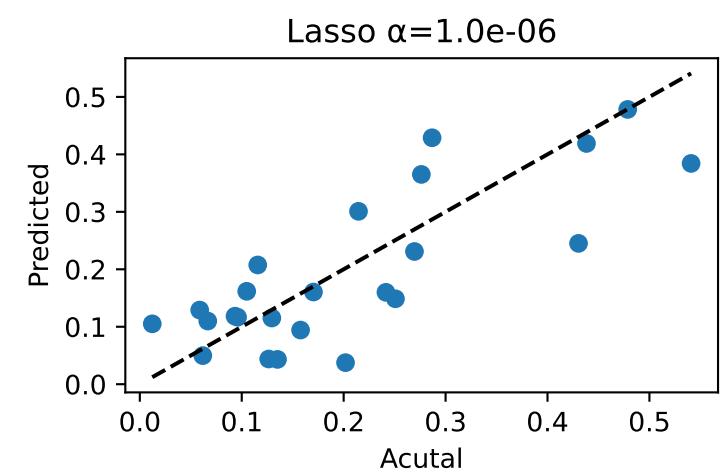
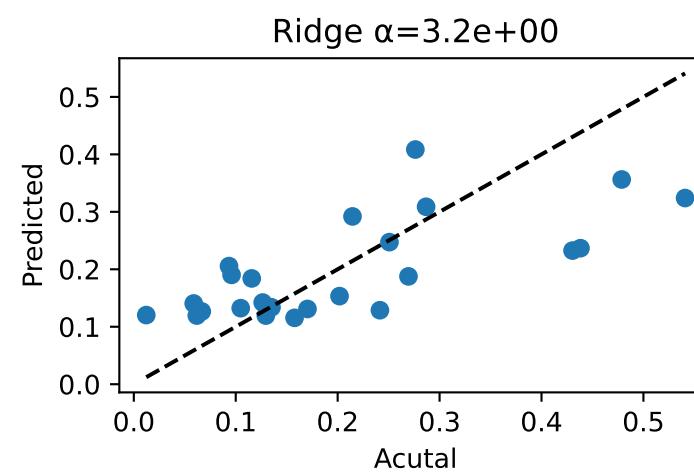
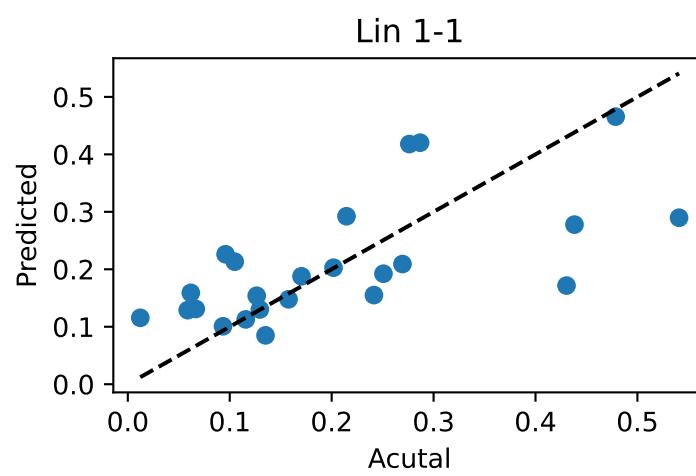
Config 8, ROI 26



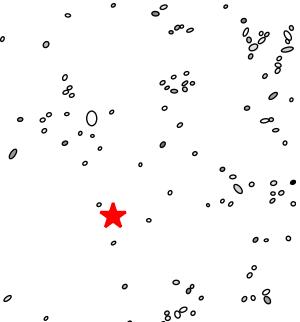
Config 9, ROI 26

Ridge  $R^2$ Lasso  $R^2$ 

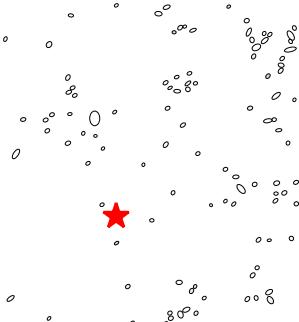
Lin 1-1  $R^2 = 0.42$   
 Ridge  $R^2 = 0.49$   
 Lasso  $R^2 = 0.60$



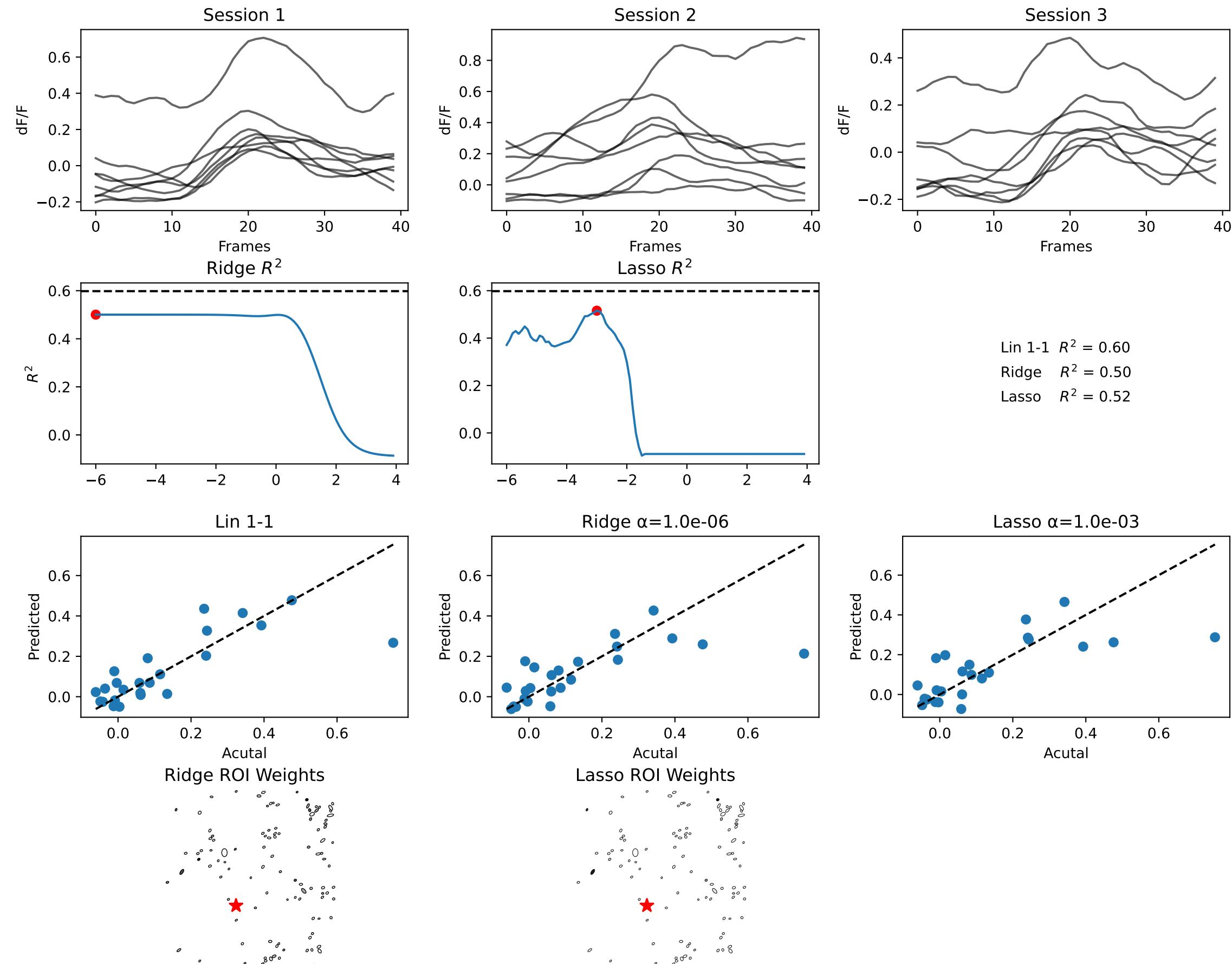
Ridge ROI Weights



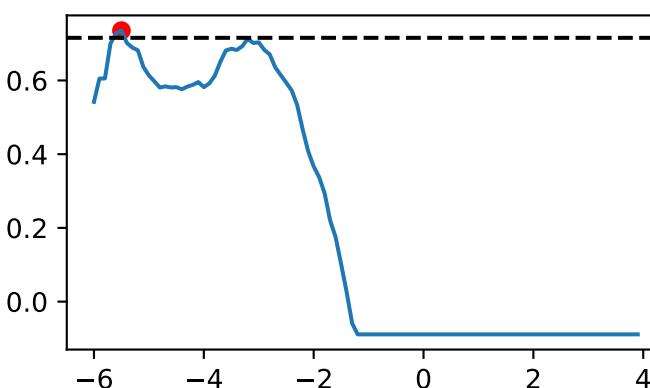
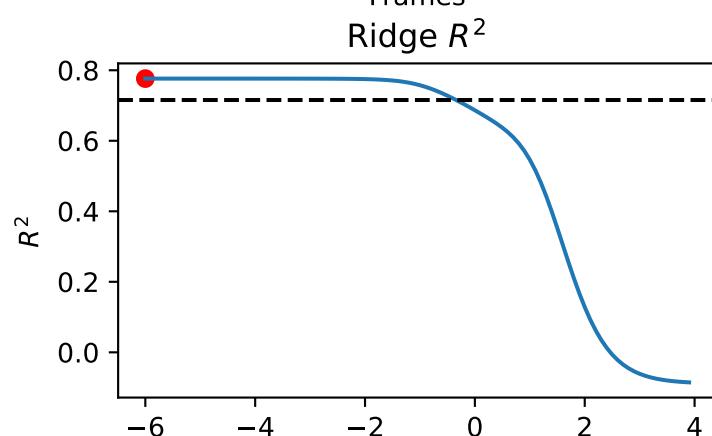
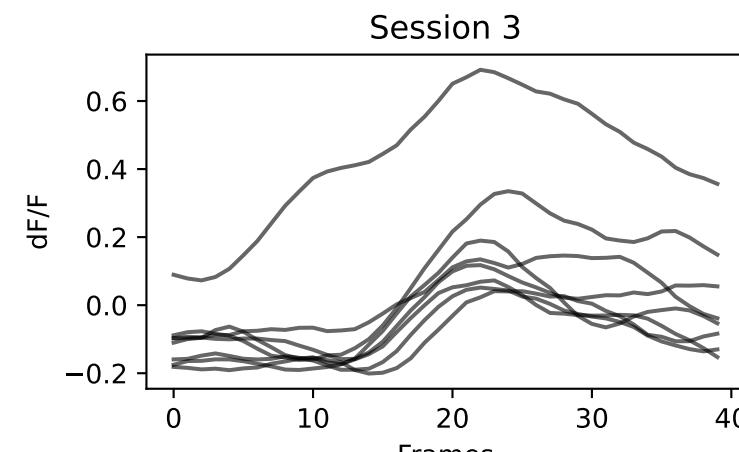
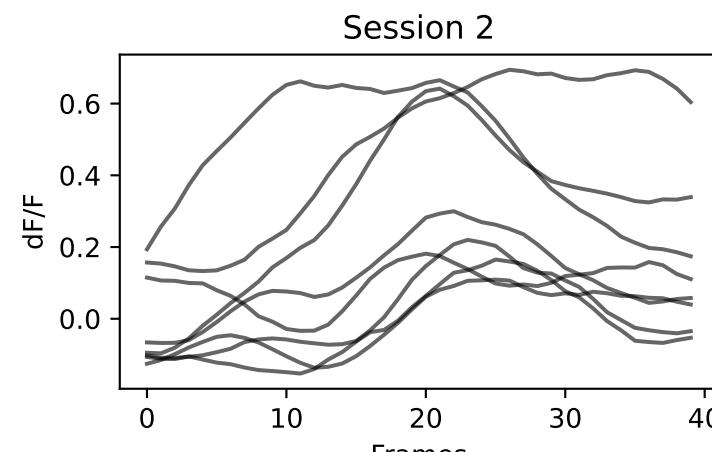
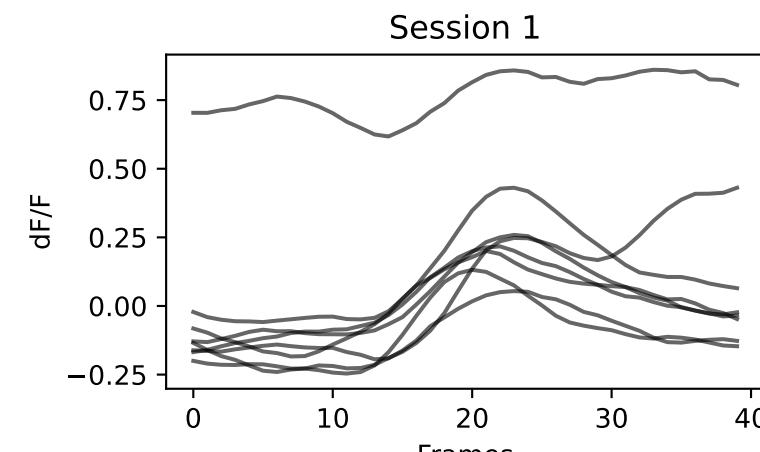
Lasso ROI Weights



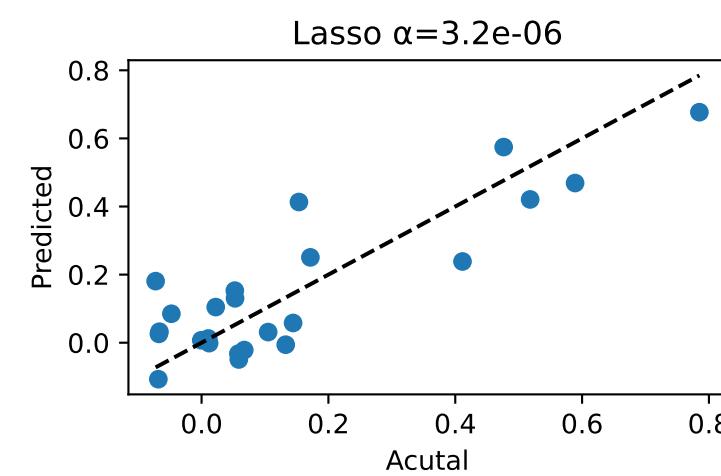
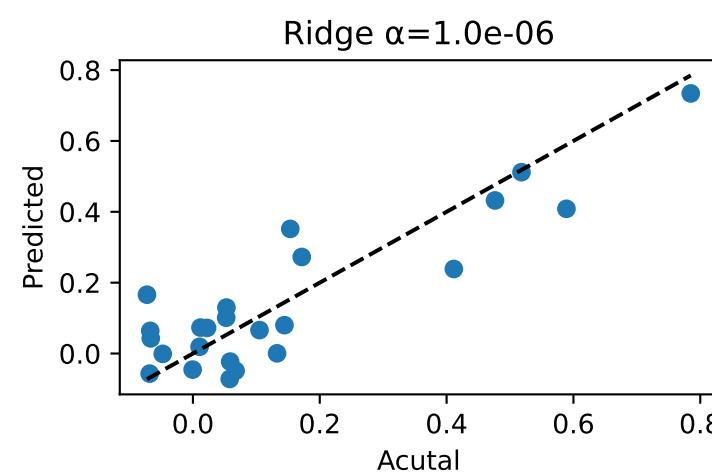
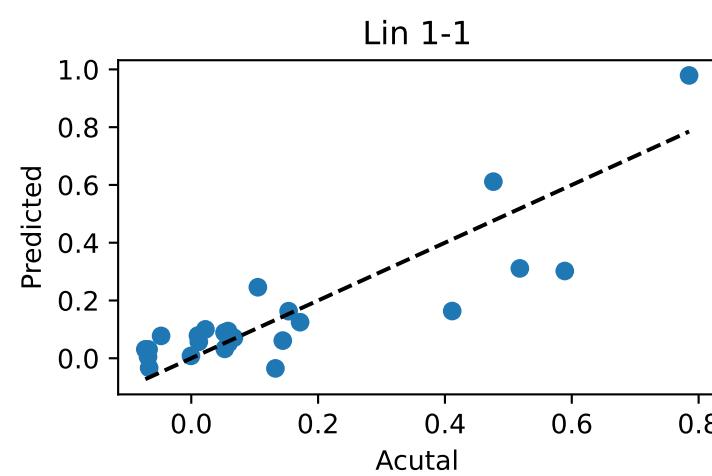
Config 11, ROI 26



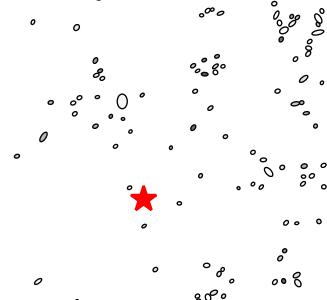
Config 12, ROI 26



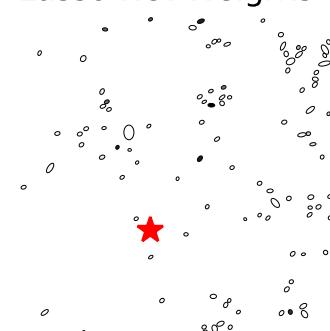
Lin 1-1  $R^2 = 0.72$   
Ridge  $R^2 = 0.78$   
Lasso  $R^2 = 0.74$



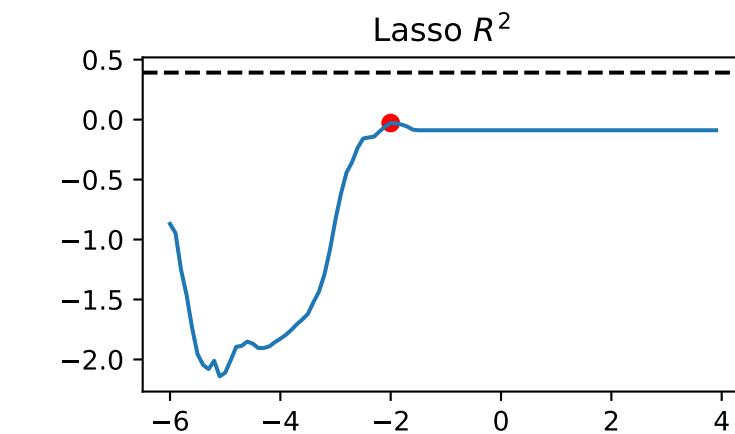
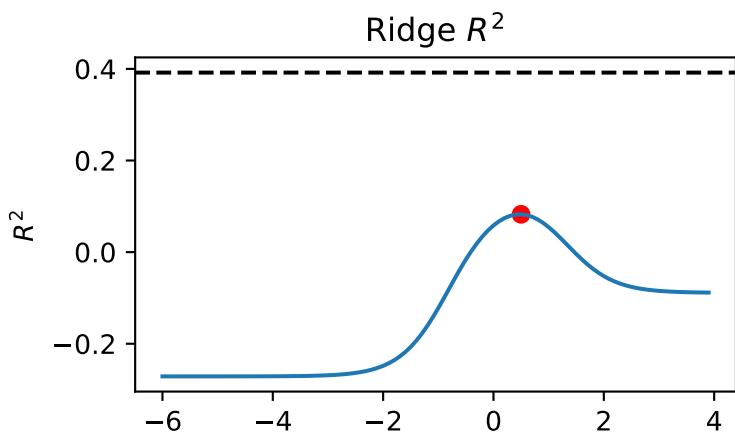
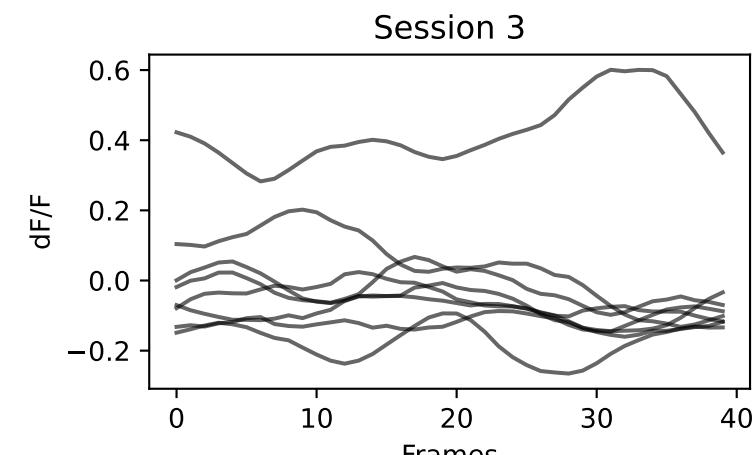
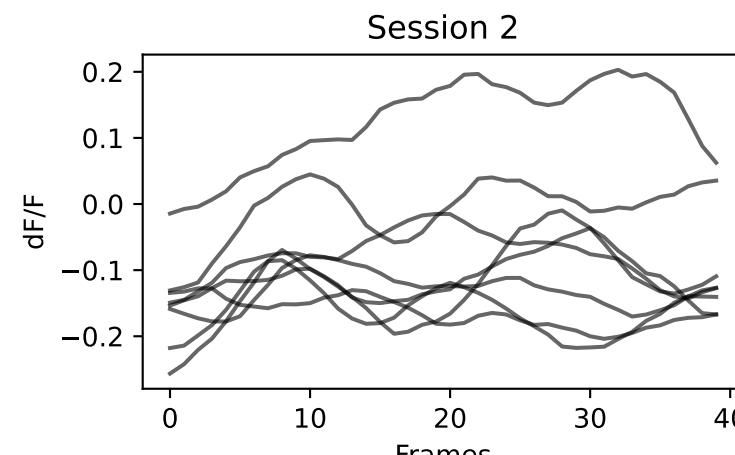
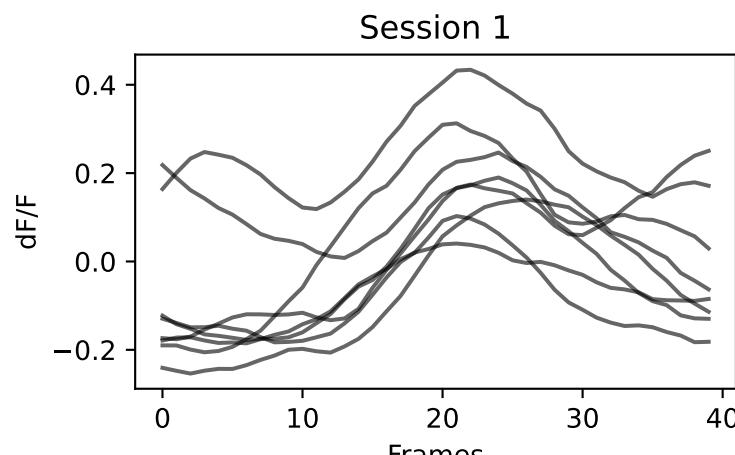
Ridge ROI Weights



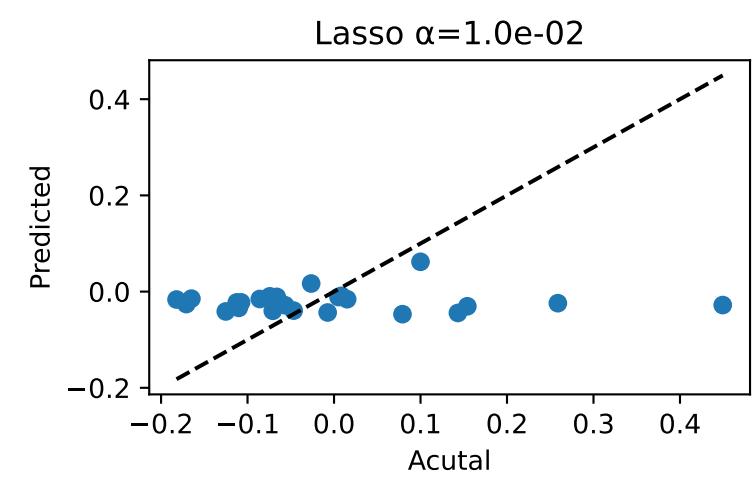
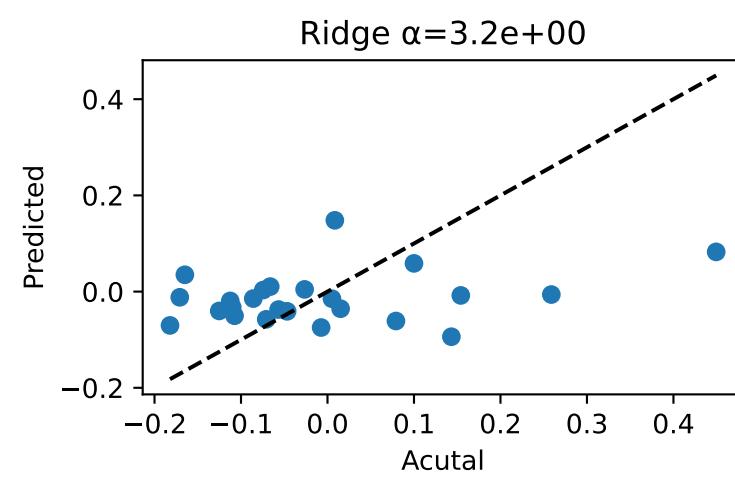
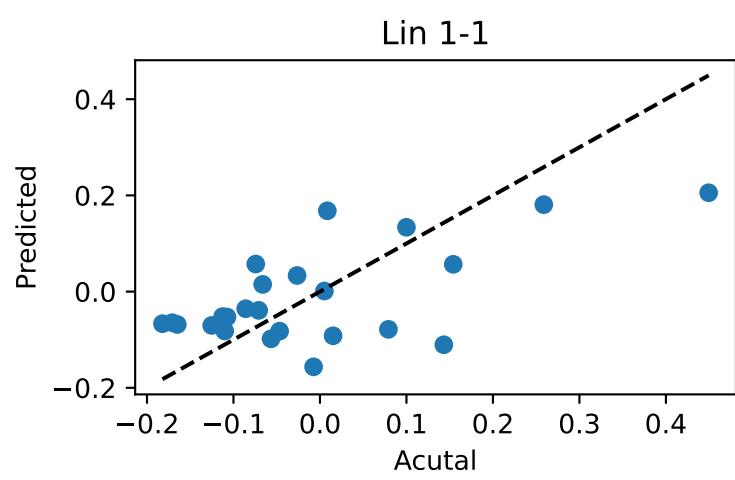
Lasso ROI Weights



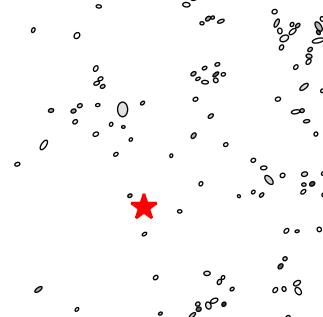
Config 28, ROI 26



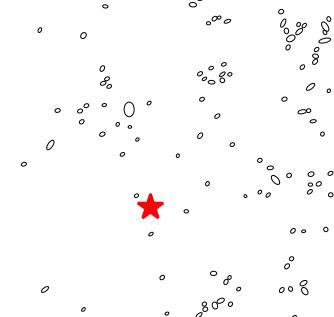
Lin 1-1  $R^2 = 0.39$   
Ridge  $R^2 = 0.08$   
Lasso  $R^2 = -0.03$



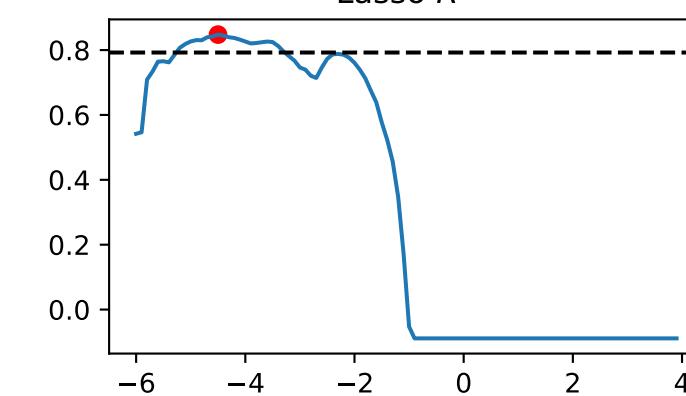
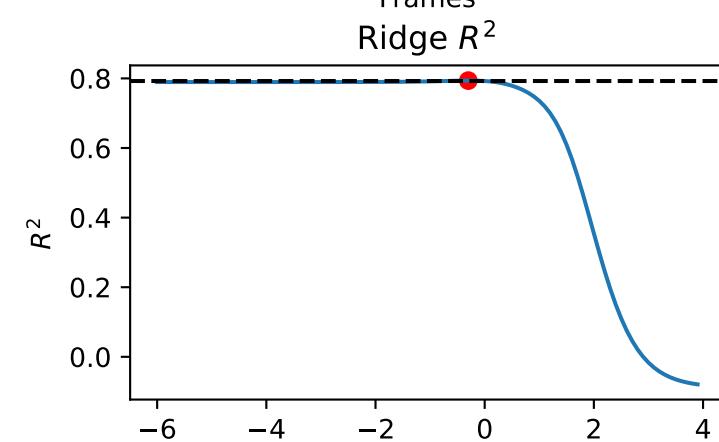
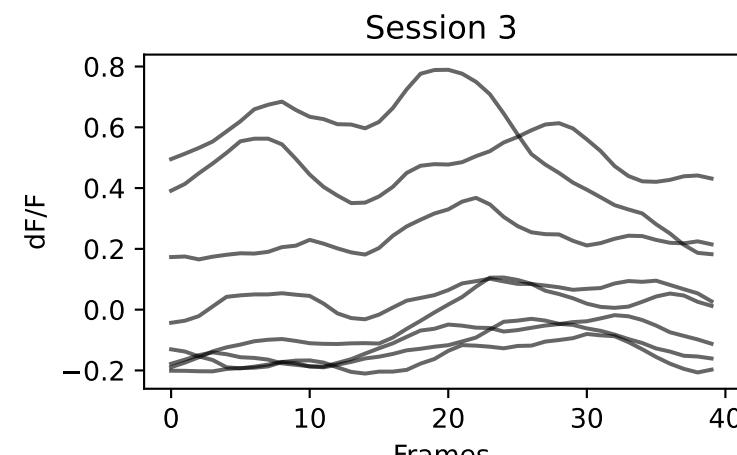
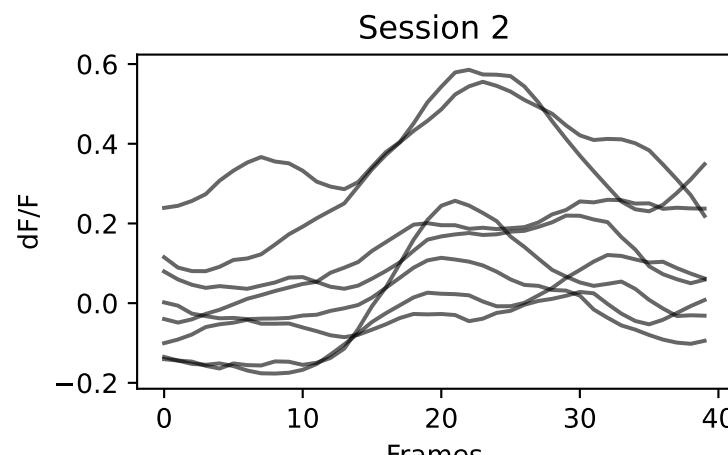
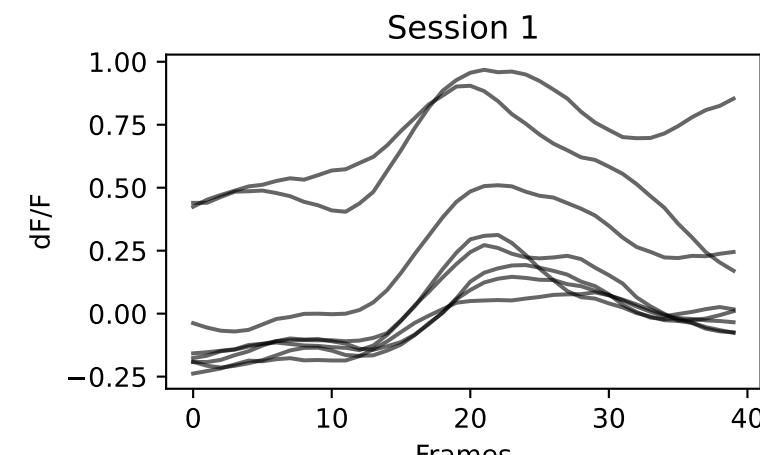
Ridge ROI Weights



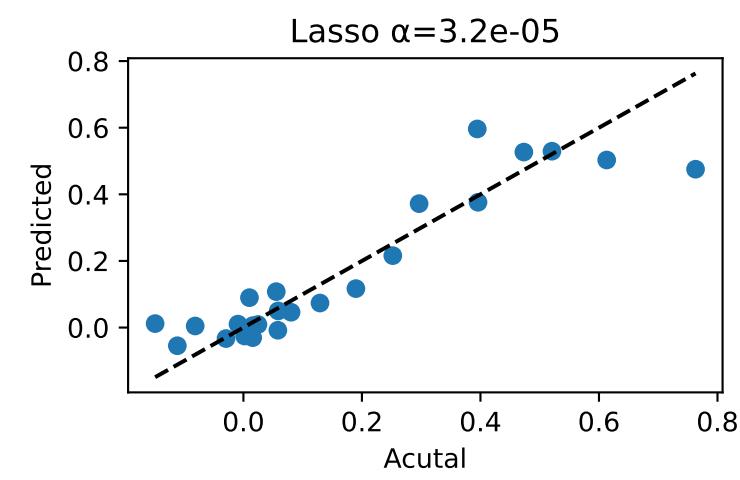
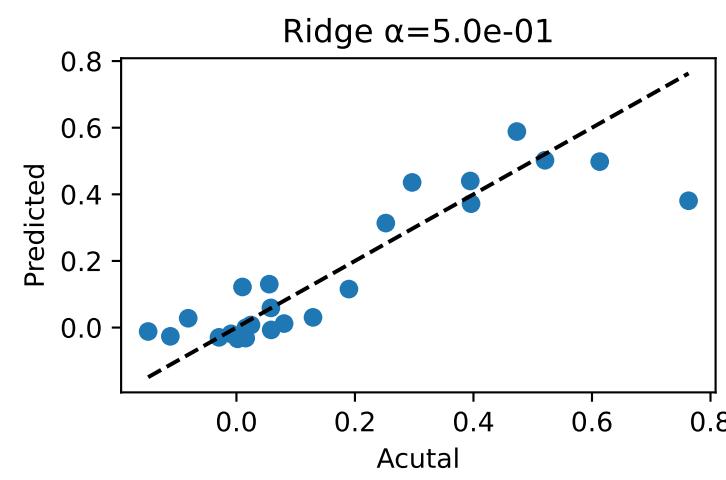
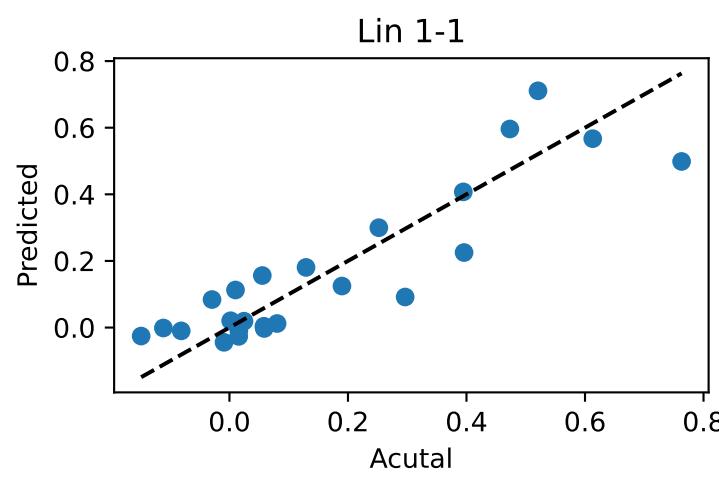
Lasso ROI Weights



Config 29, ROI 26



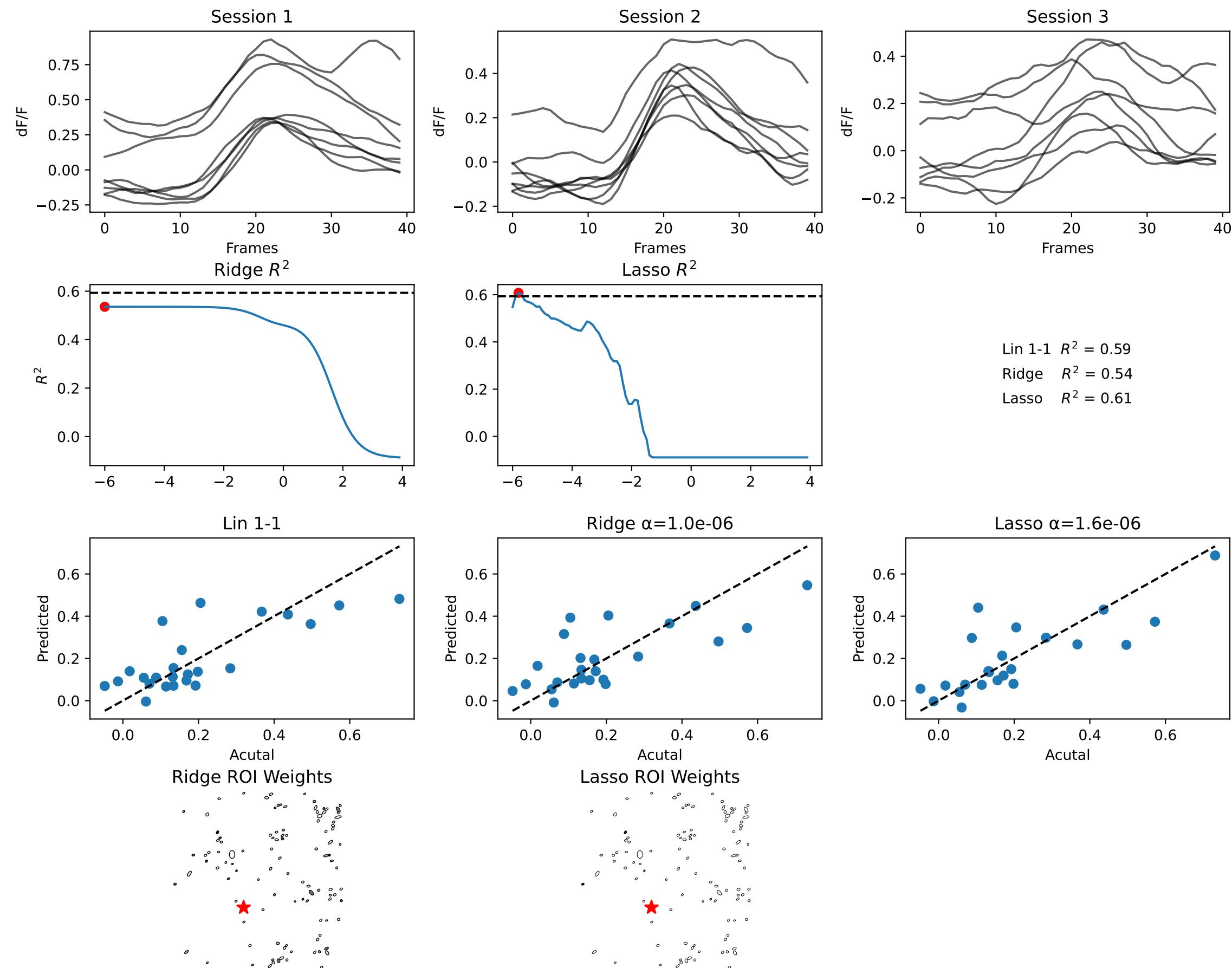
Lin 1-1  $R^2 = 0.79$   
Ridge  $R^2 = 0.79$   
Lasso  $R^2 = 0.85$



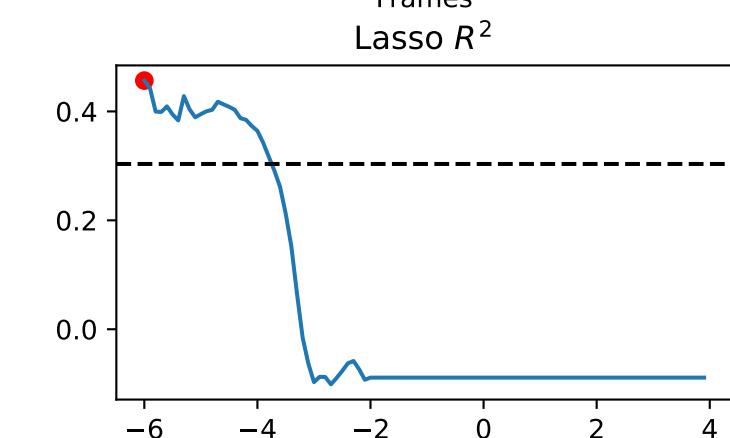
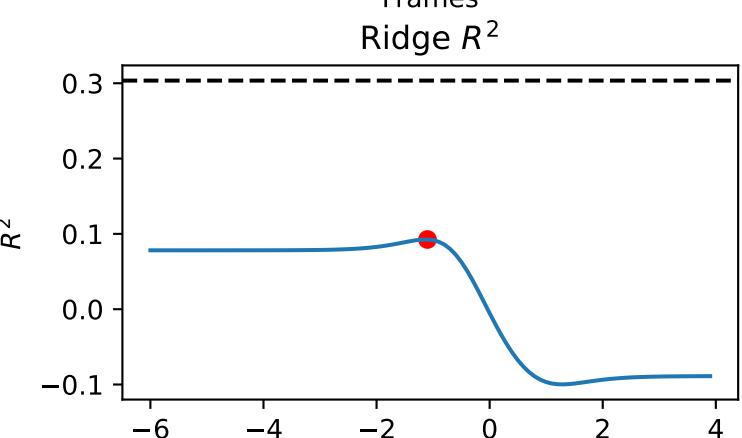
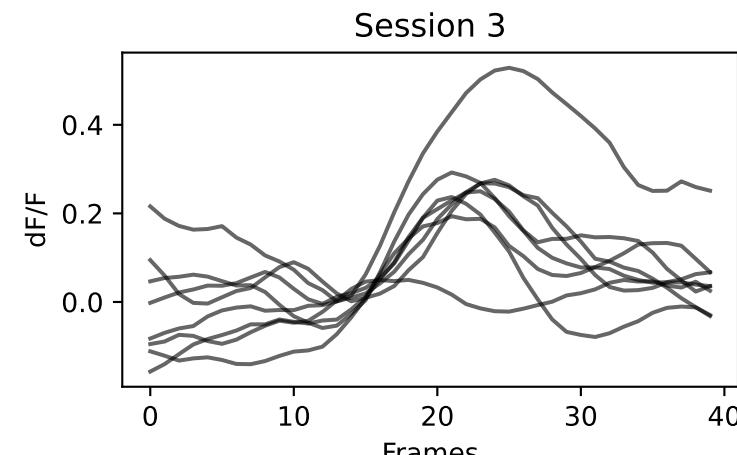
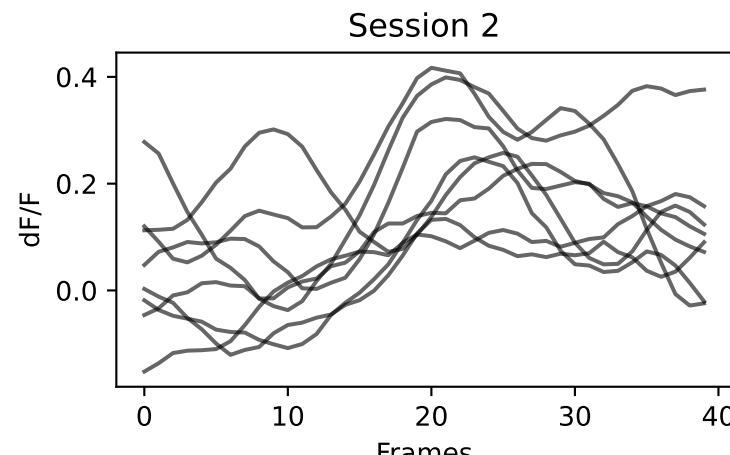
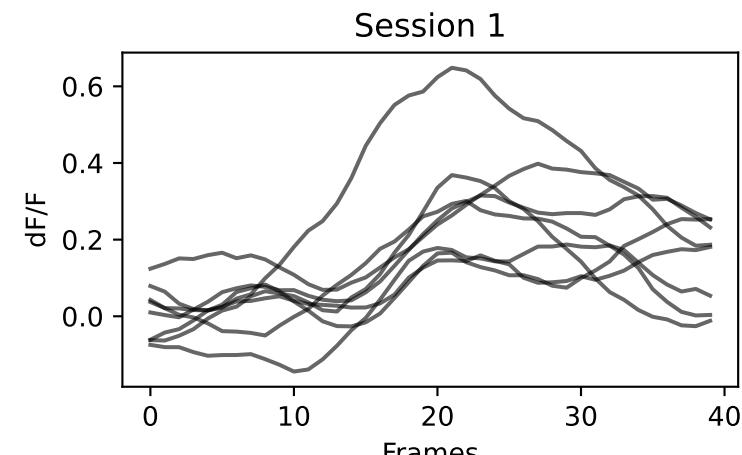
Ridge ROI Weights

Lasso ROI Weights

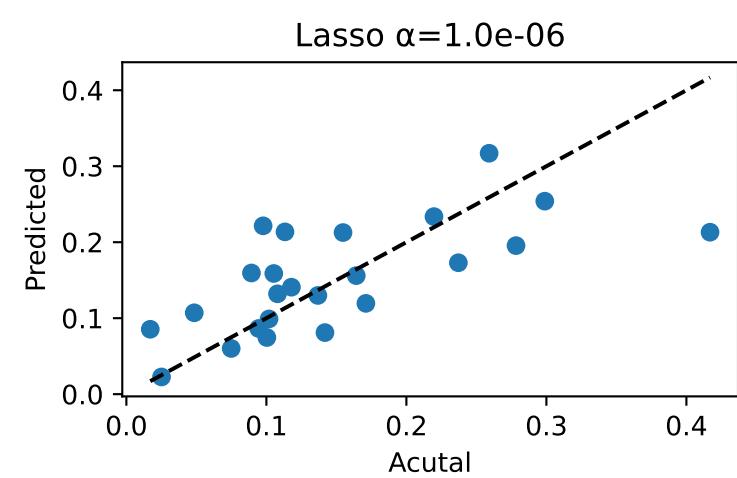
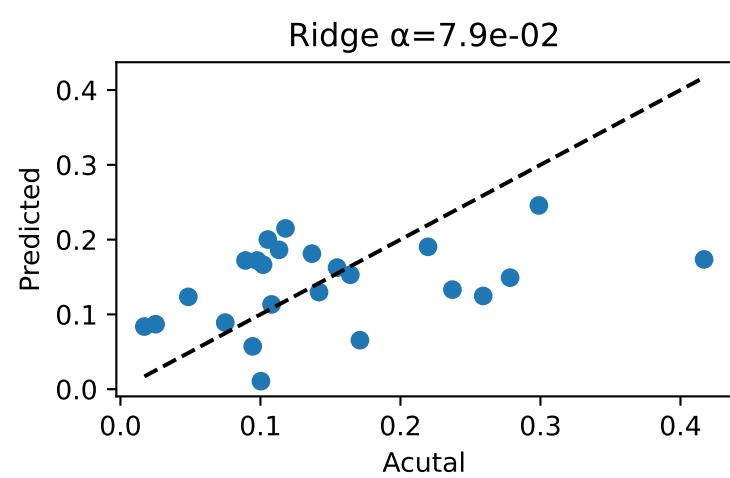
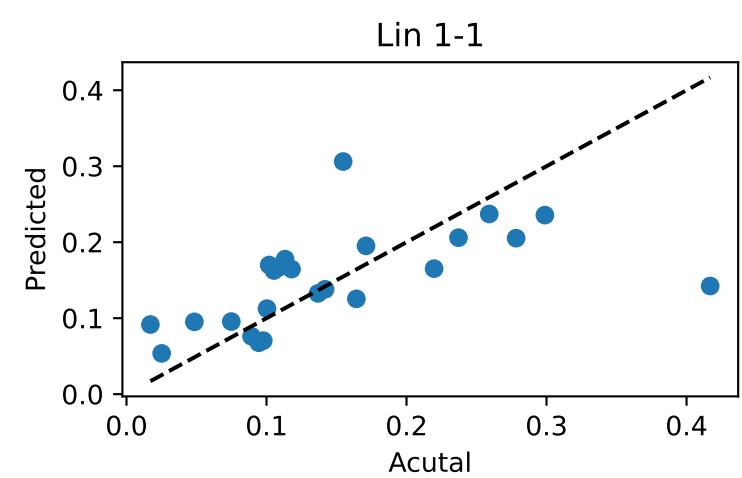
Config 30, ROI 26



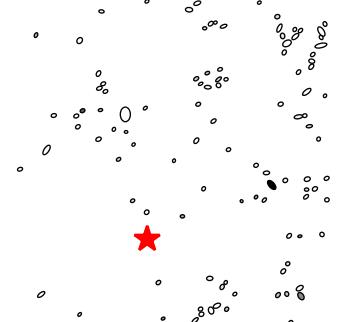
Config 9, ROI 27



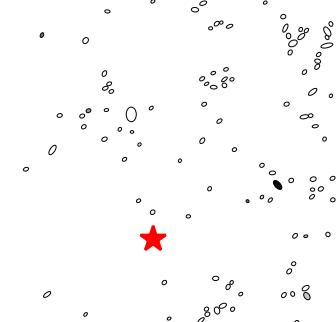
Lin 1-1  $R^2 = 0.30$   
Ridge  $R^2 = 0.09$   
Lasso  $R^2 = 0.46$



Ridge ROI Weights

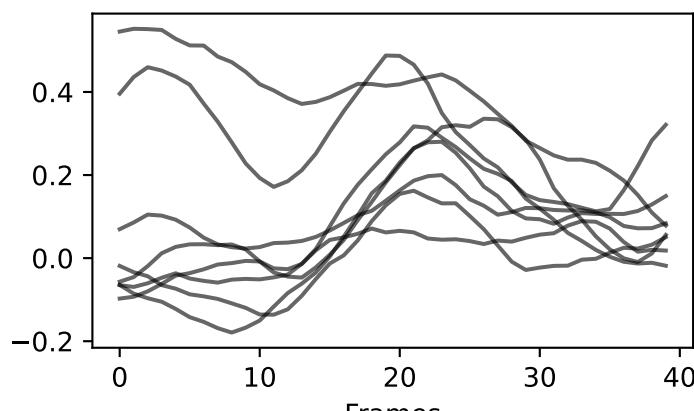


Lasso ROI Weights

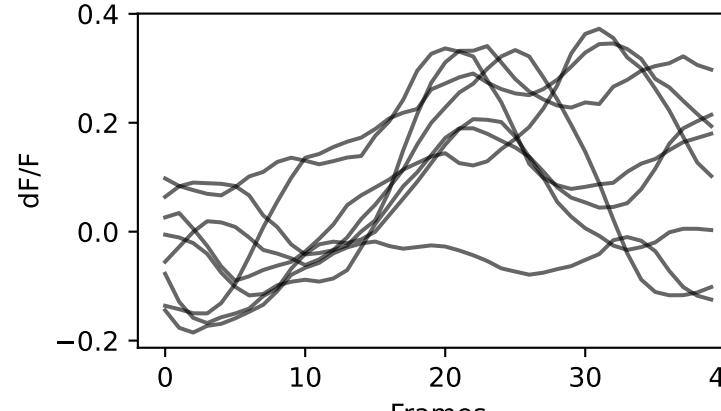


Config 30, ROI 27

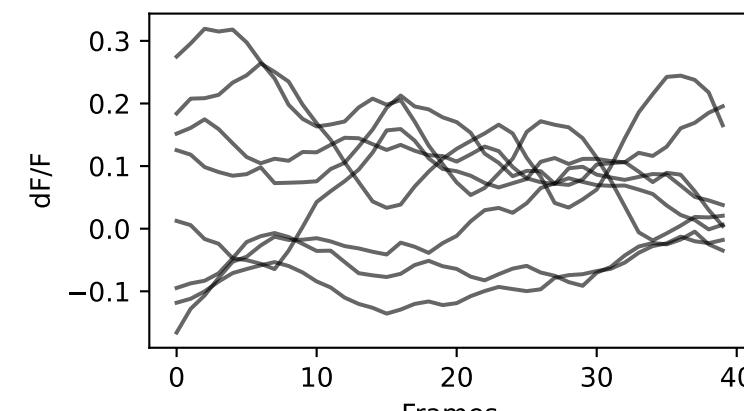
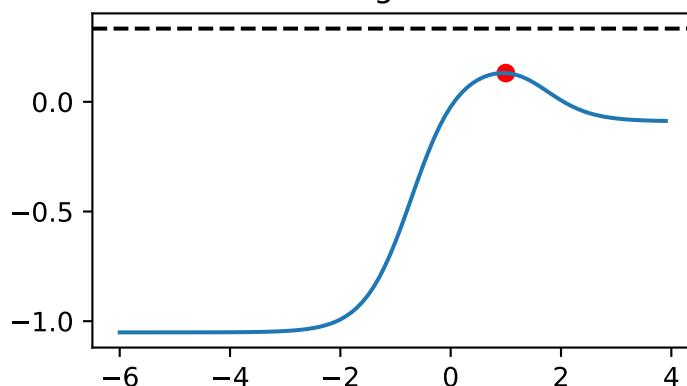
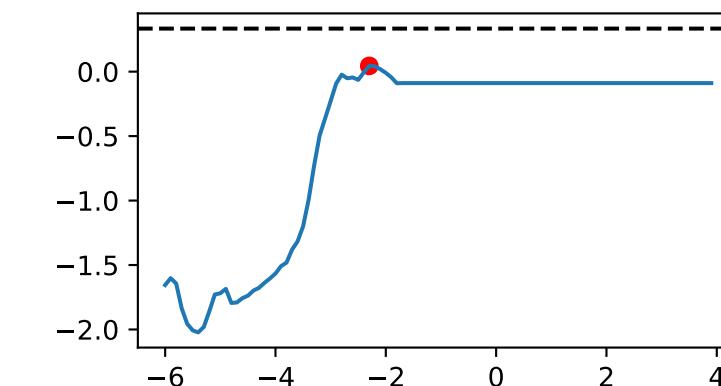
Session 1

 $dF/F$ 

Session 2



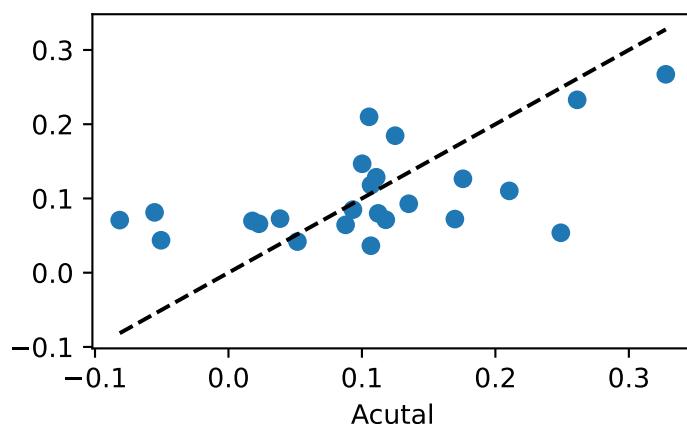
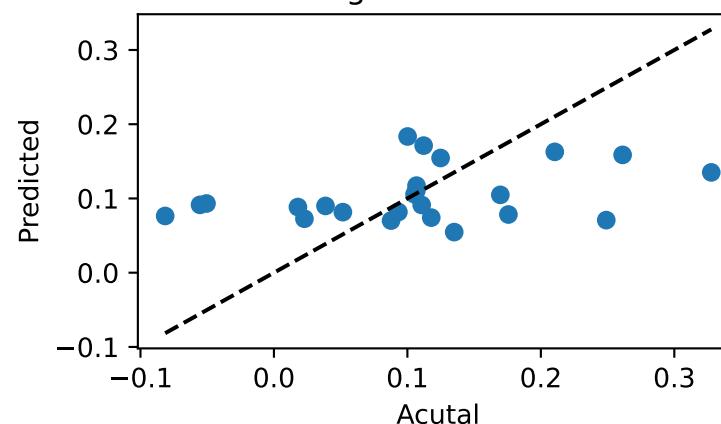
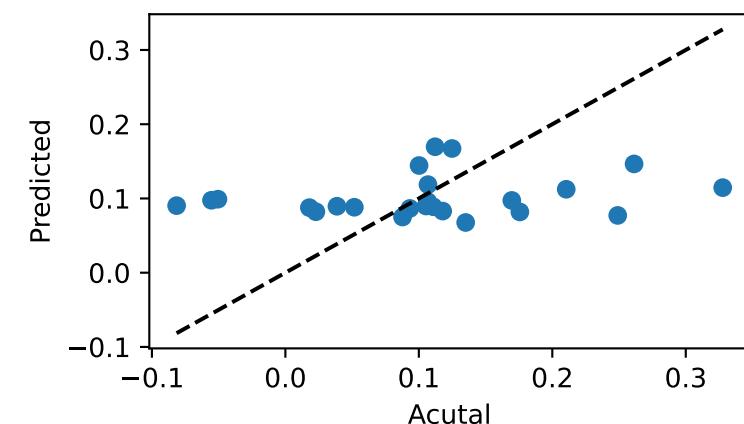
Session 3

Ridge  $R^2$  $R^2$ Lasso  $R^2$ 

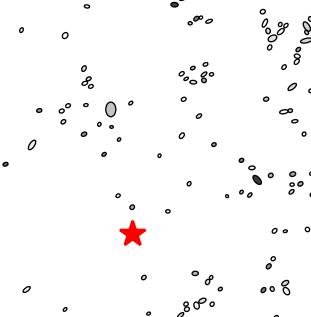
Lin 1-1  $R^2 = 0.33$   
 Ridge  $R^2 = 0.13$   
 Lasso  $R^2 = 0.04$

Lin 1-1

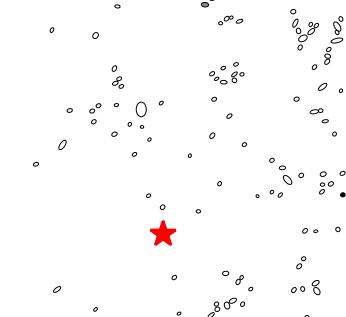
Predicted

Ridge  $\alpha=1.0e+01$ Lasso  $\alpha=5.0e-03$ 

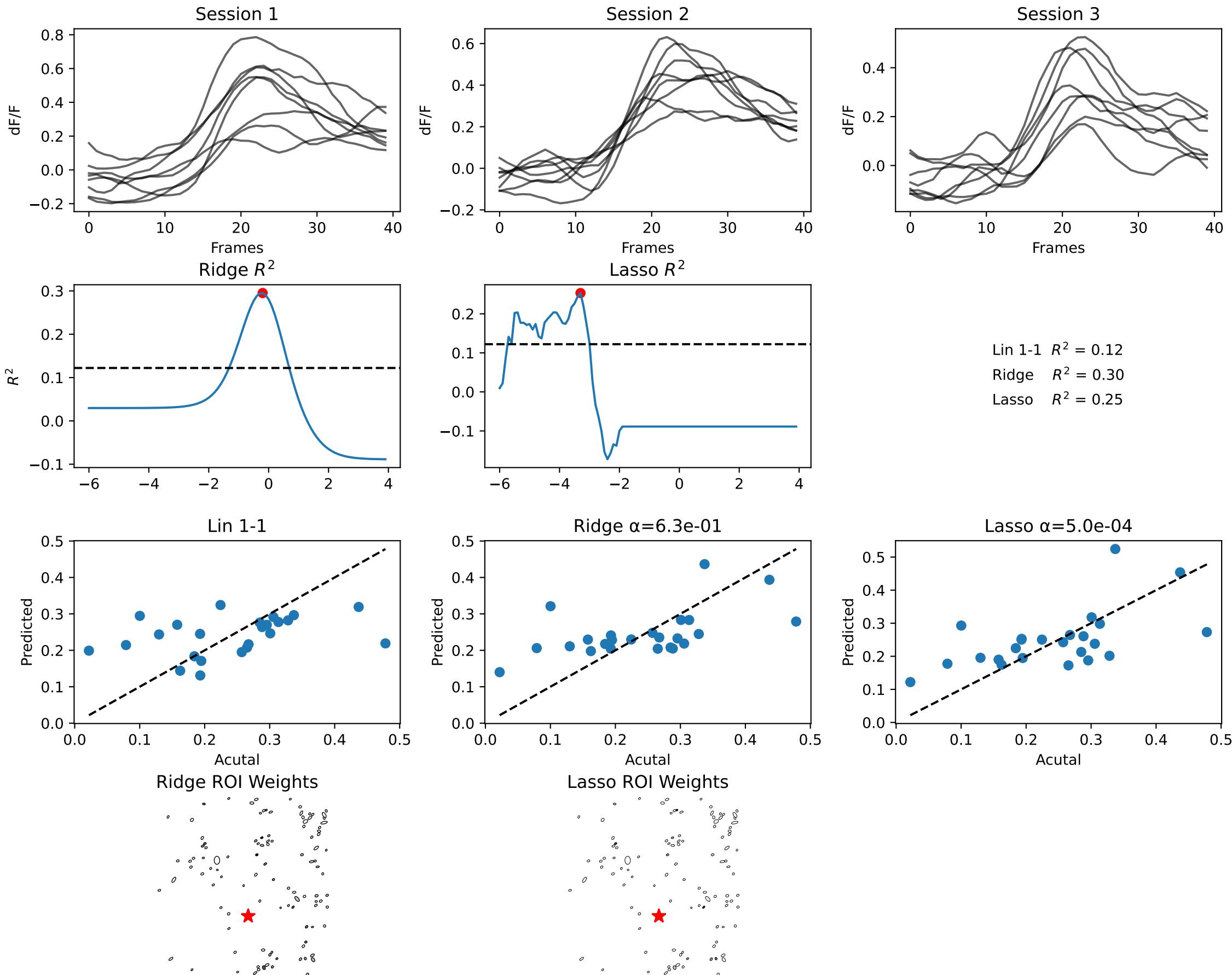
Ridge ROI Weights



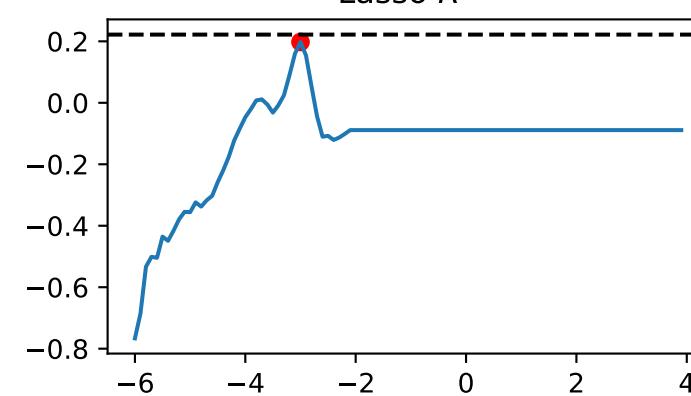
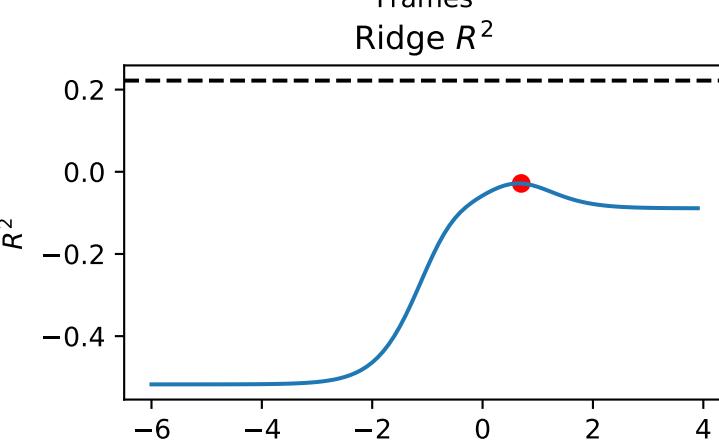
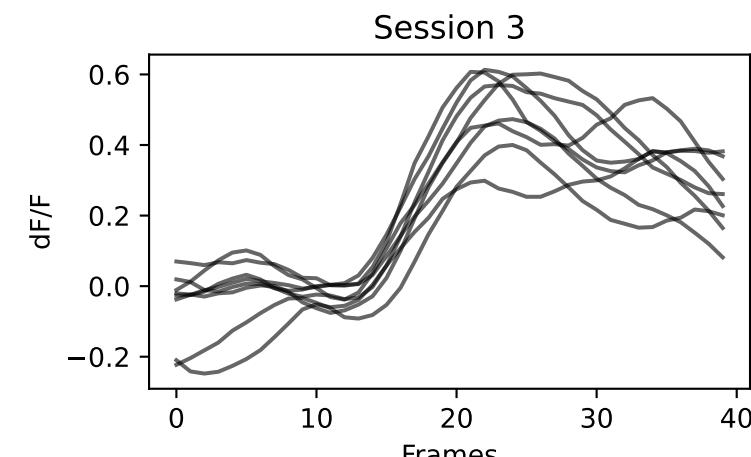
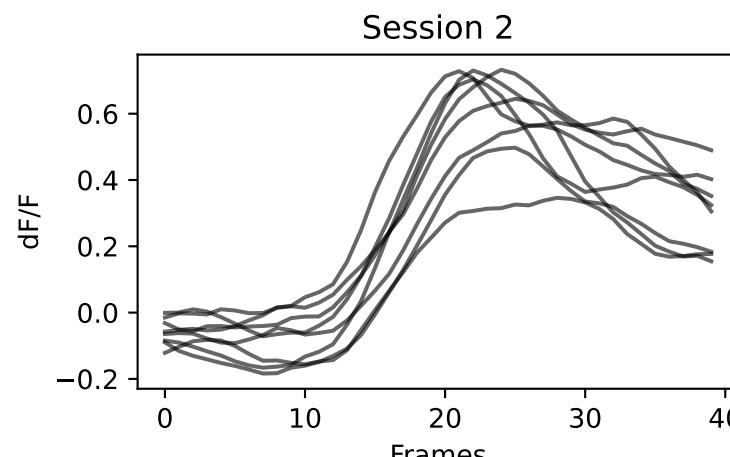
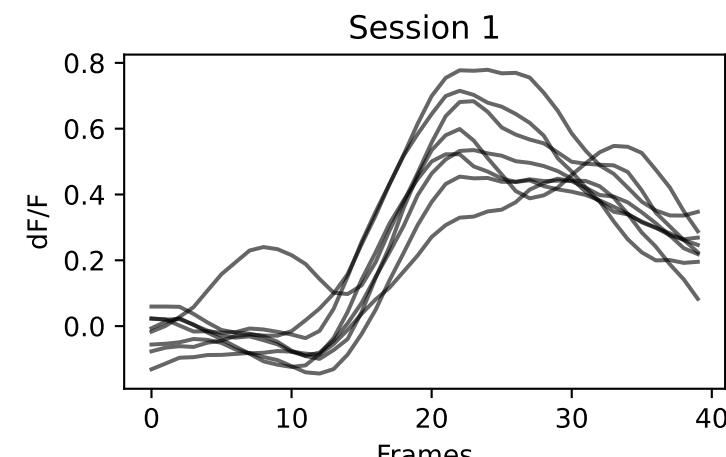
Lasso ROI Weights



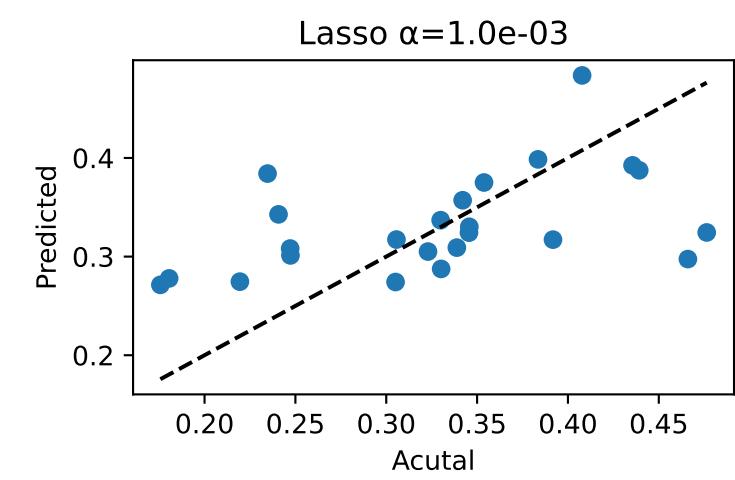
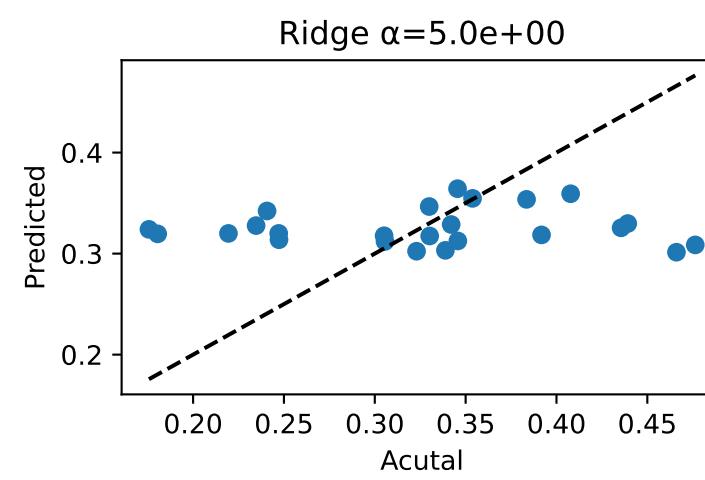
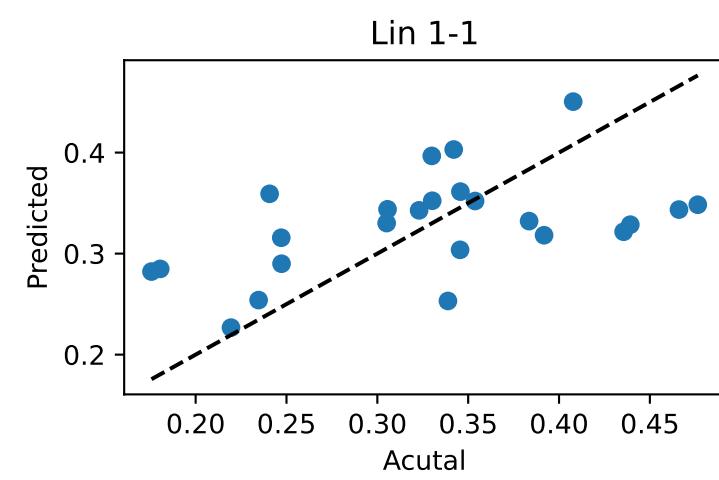
Config 7, ROI 31



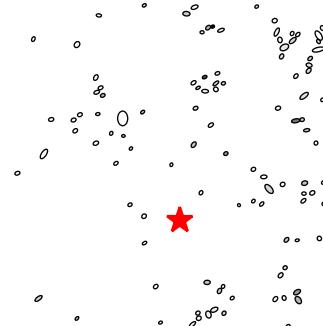
Config 8, ROI 31



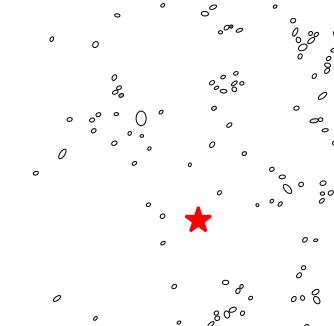
Lin 1-1  $R^2 = 0.22$   
Ridge  $R^2 = -0.03$   
Lasso  $R^2 = 0.20$



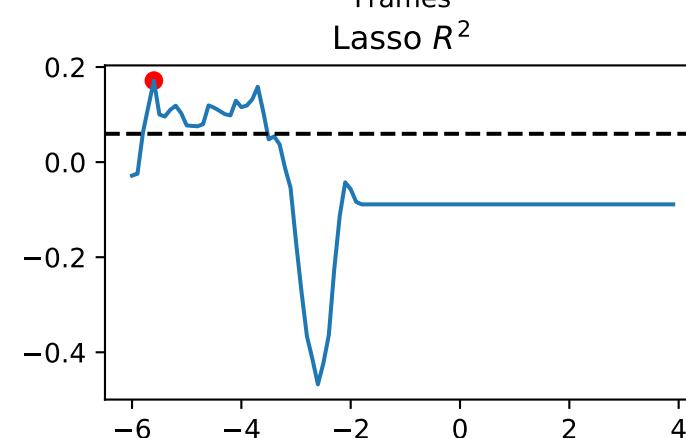
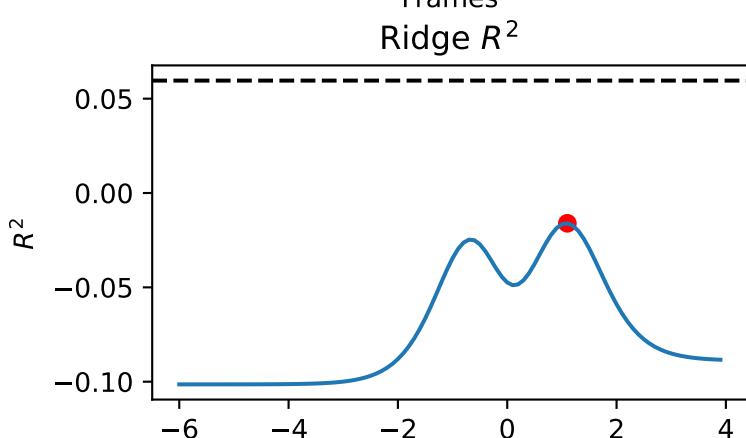
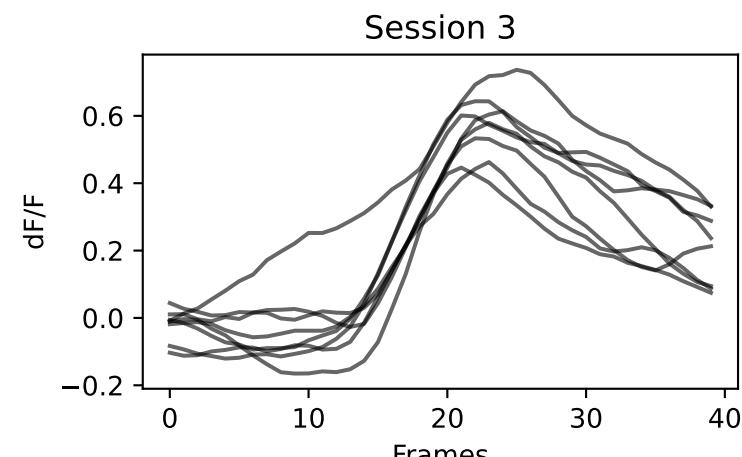
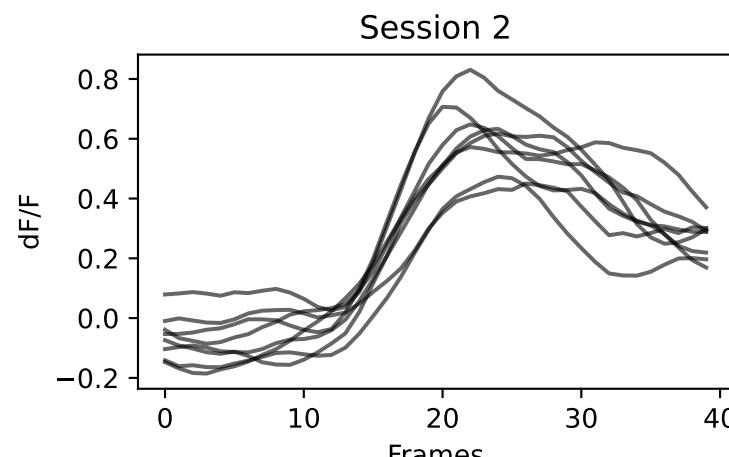
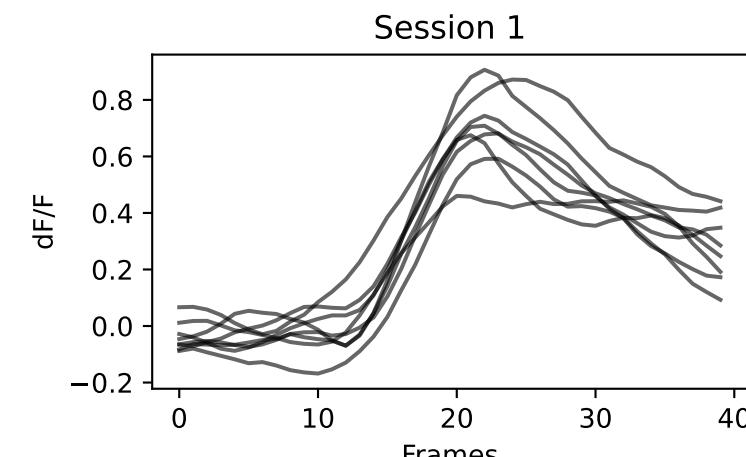
Ridge ROI Weights



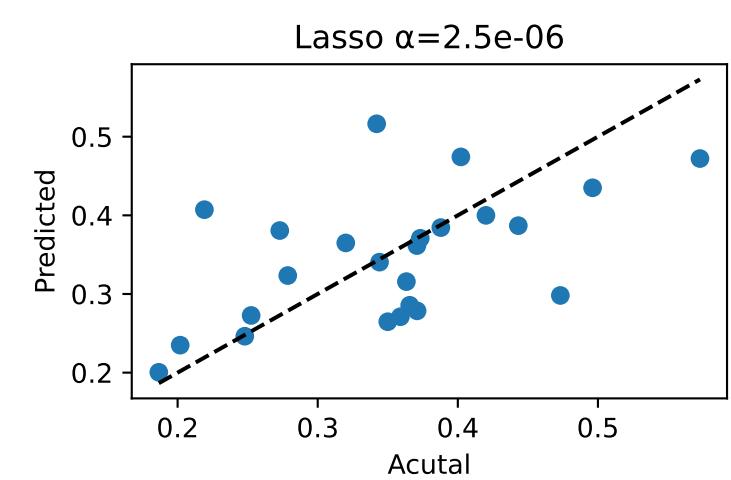
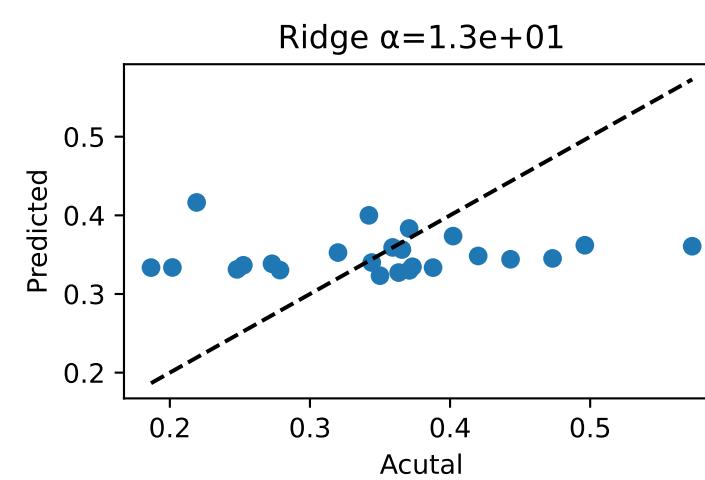
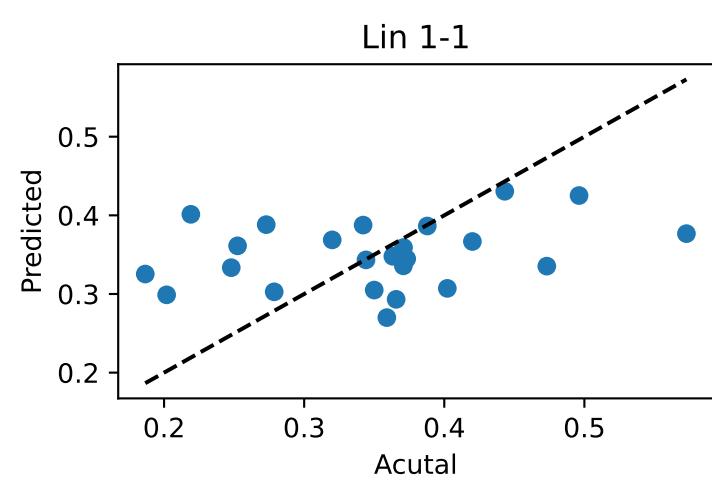
Lasso ROI Weights



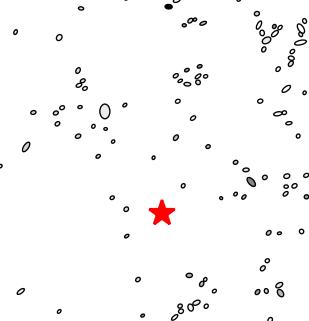
Config 9, ROI 31



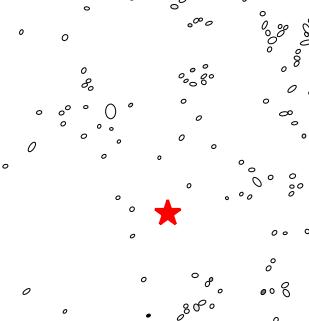
Lin 1-1  $R^2 = 0.06$   
Ridge  $R^2 = -0.02$   
Lasso  $R^2 = 0.17$



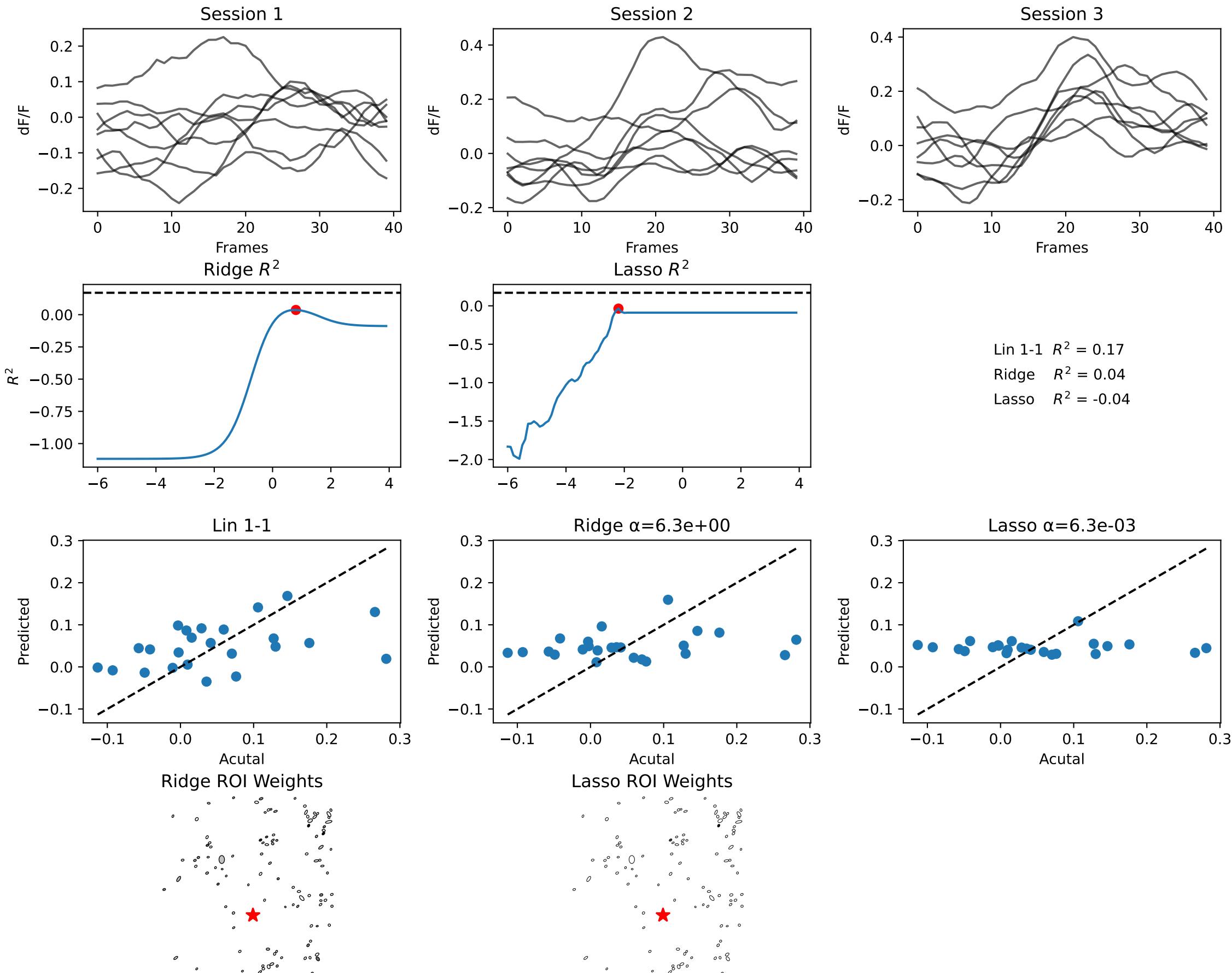
Ridge ROI Weights



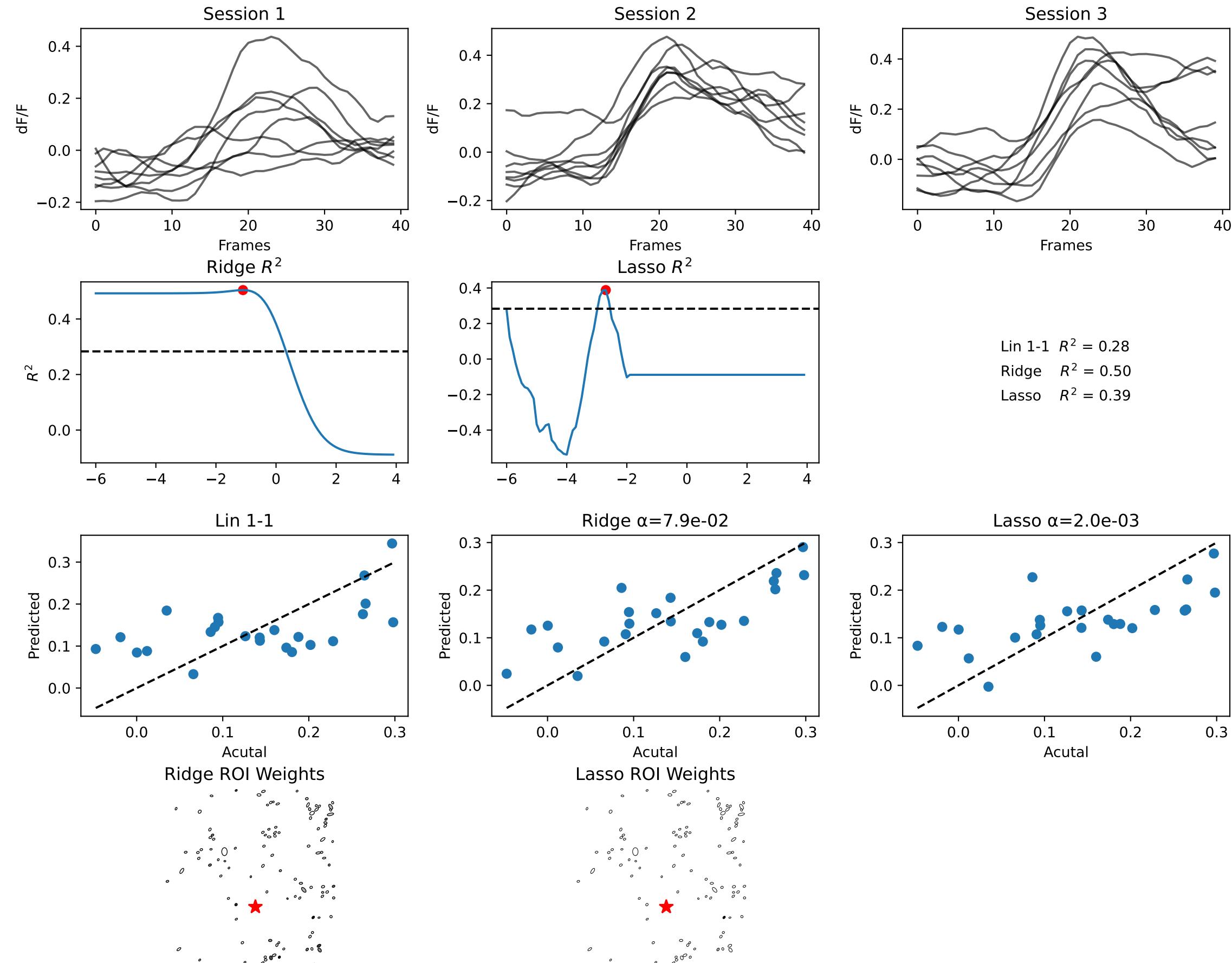
Lasso ROI Weights



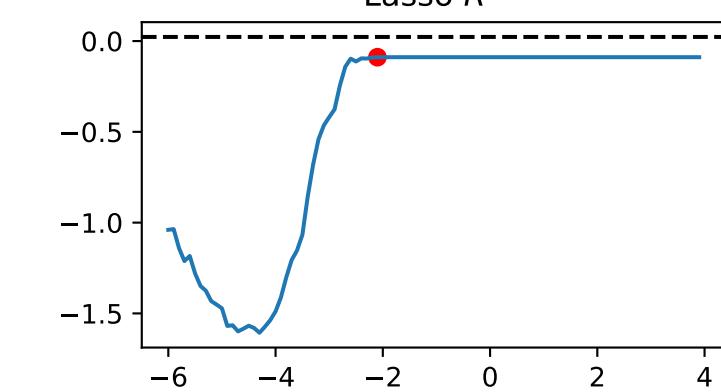
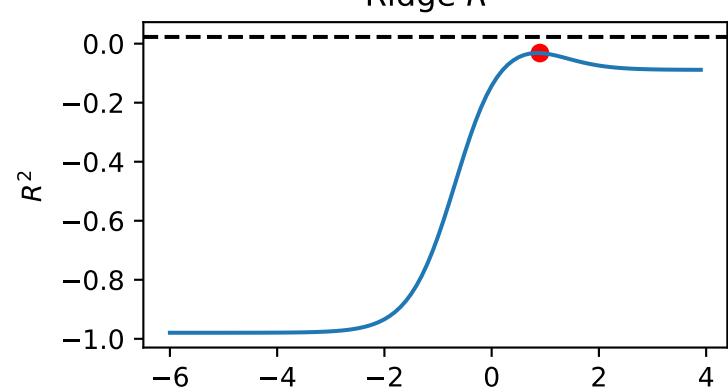
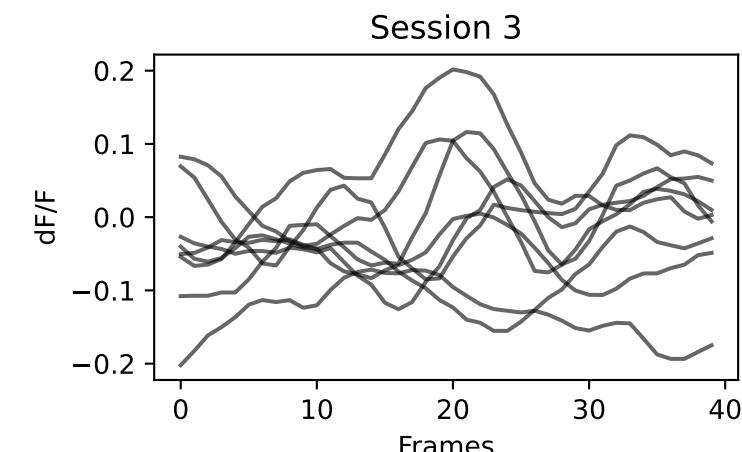
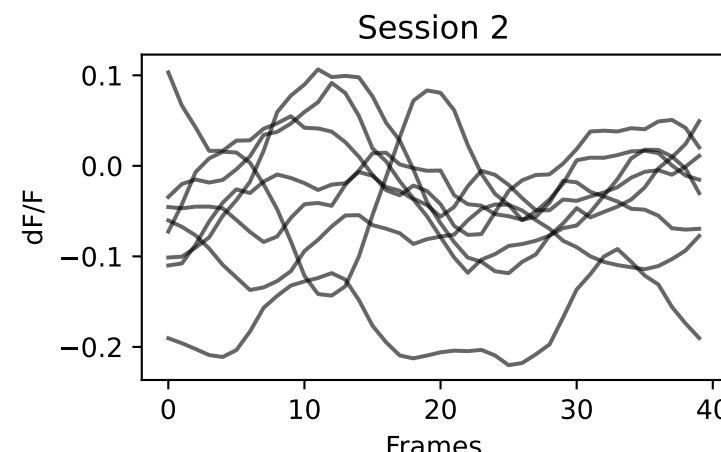
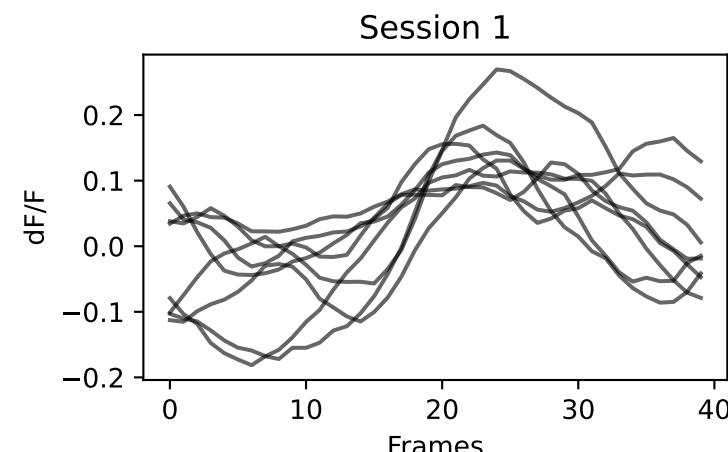
Config 26, ROI 31



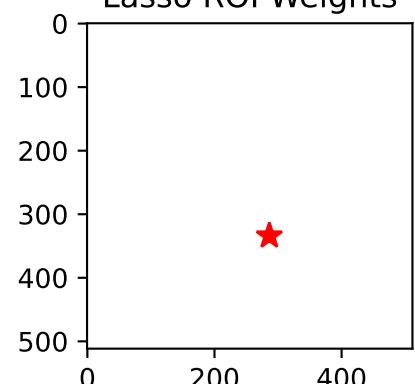
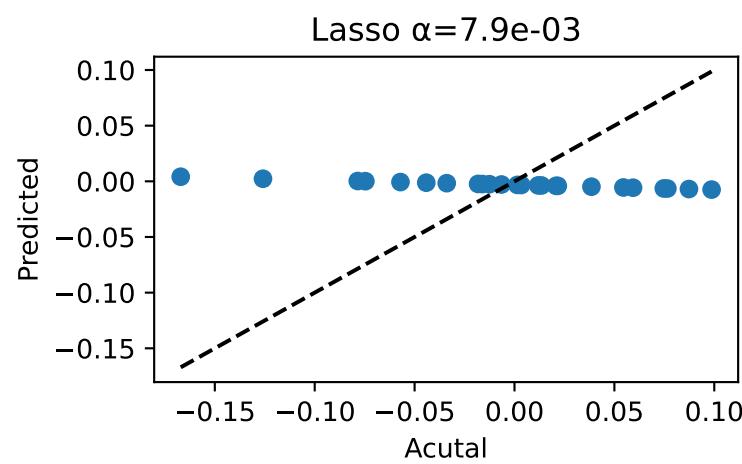
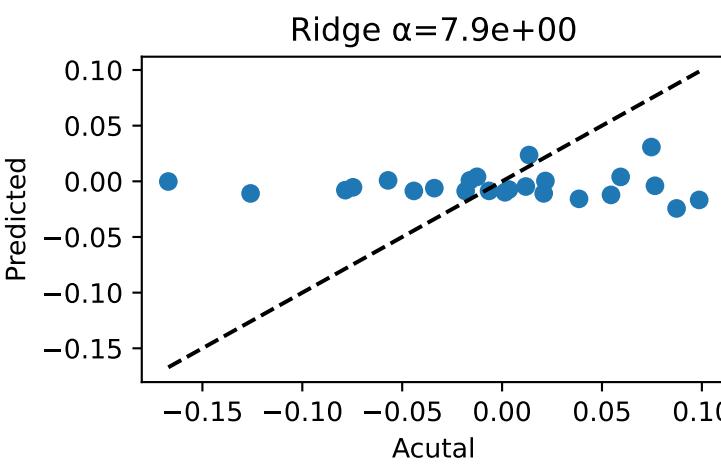
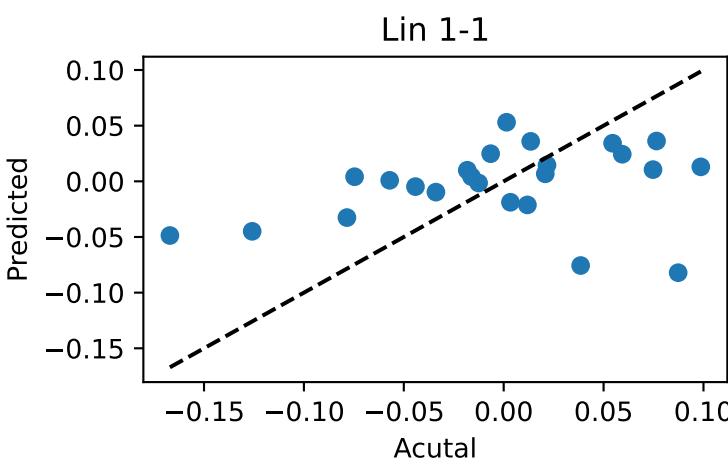
# Config 27, ROI 31



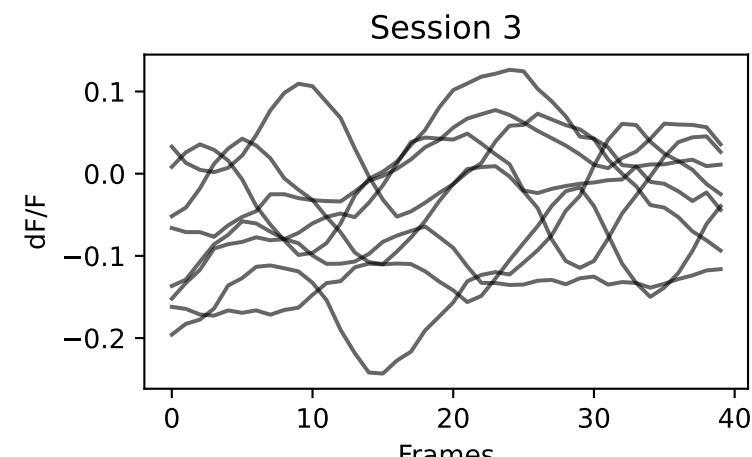
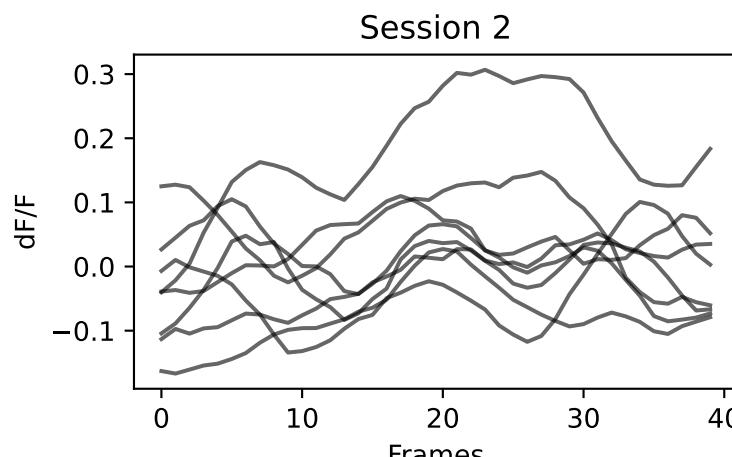
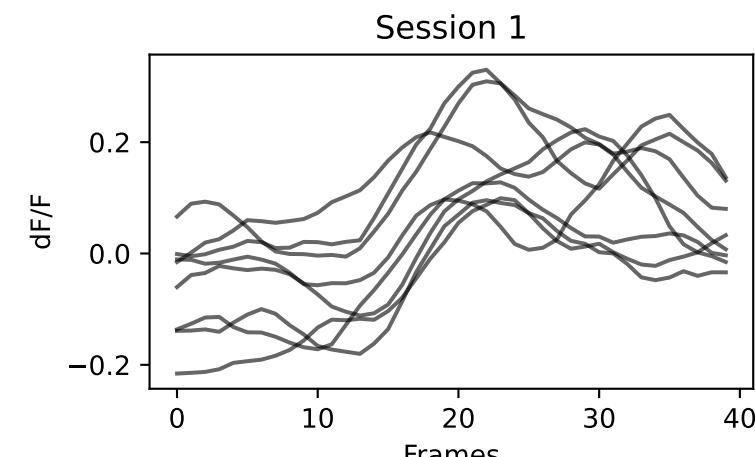
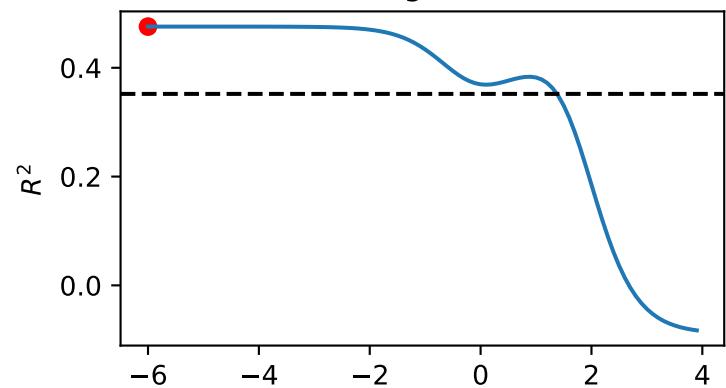
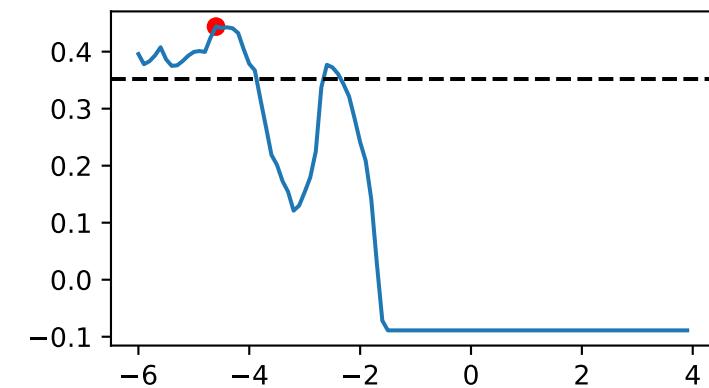
# Config 28, ROI 31



Lin 1-1  $R^2 = 0.02$   
 Ridge  $R^2 = -0.03$   
 Lasso  $R^2 = -0.09$

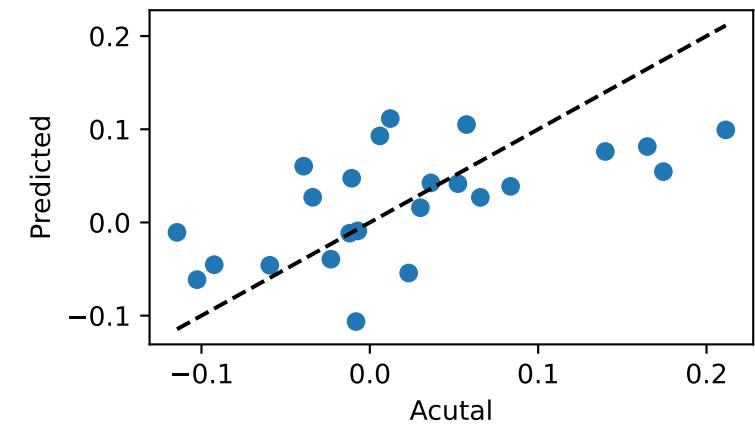
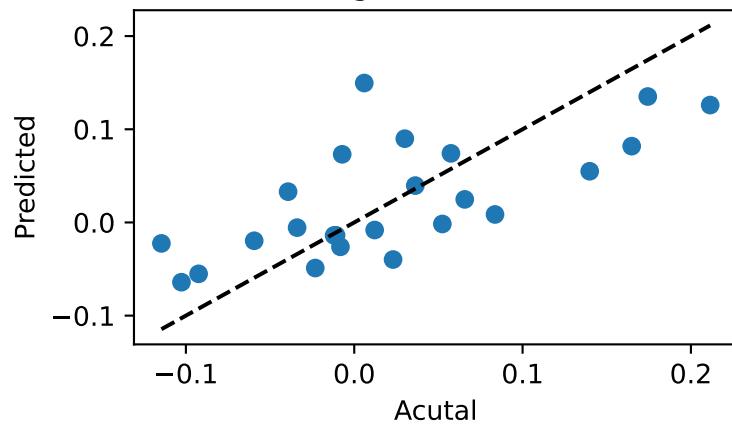
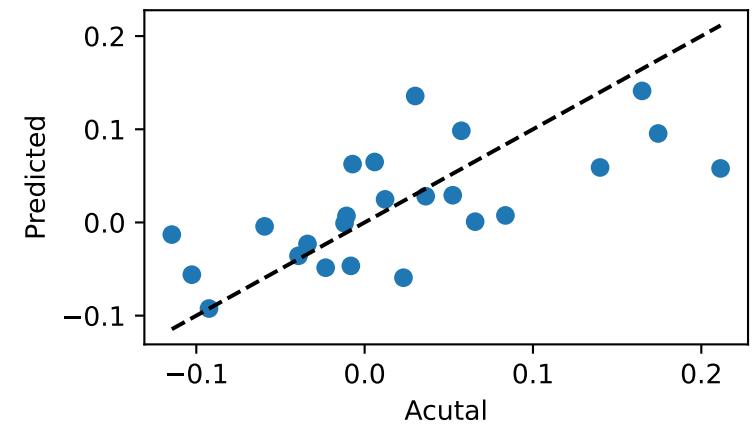


Config 29, ROI 31

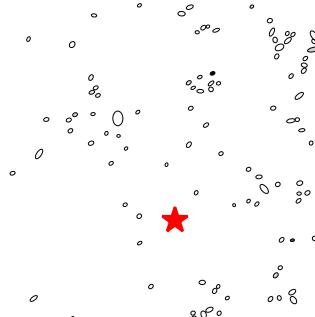
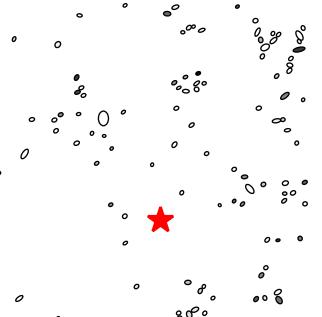
Ridge  $R^2$ Lasso  $R^2$ 

Lin 1-1  $R^2 = 0.35$   
 Ridge  $R^2 = 0.48$   
 Lasso  $R^2 = 0.44$

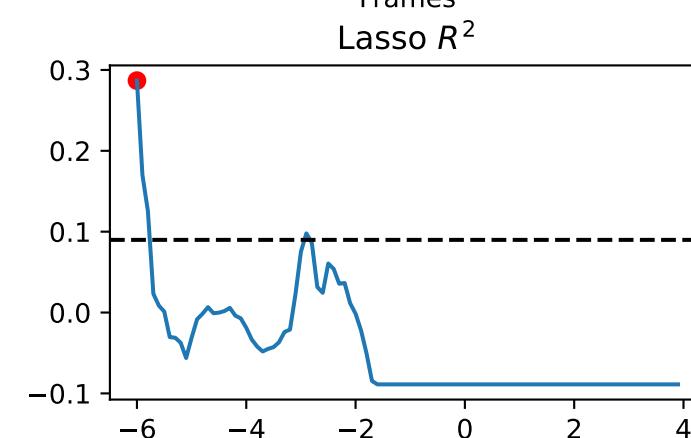
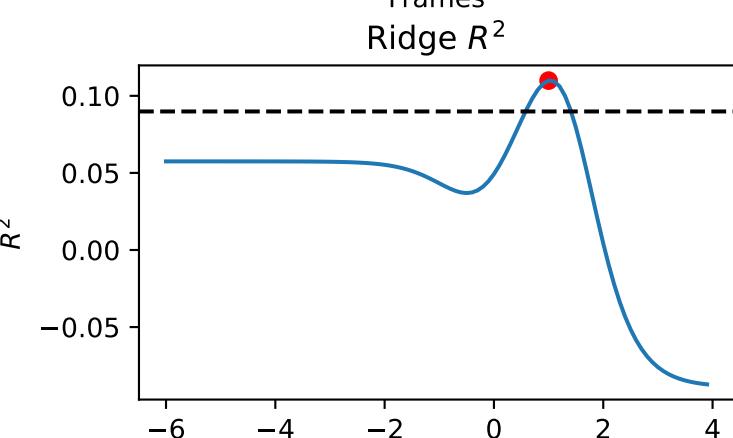
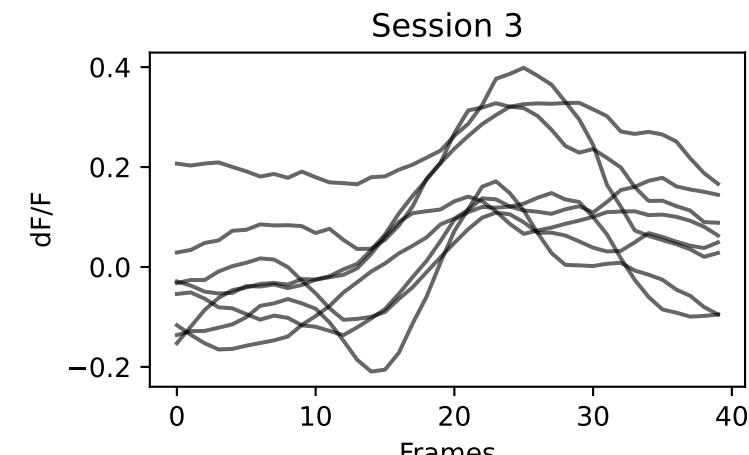
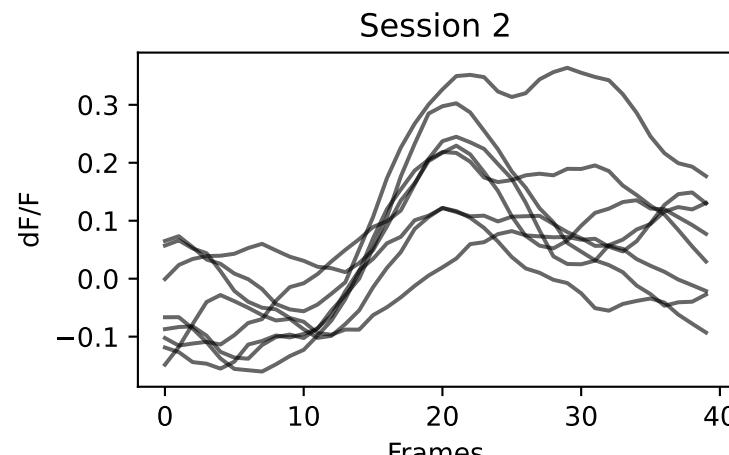
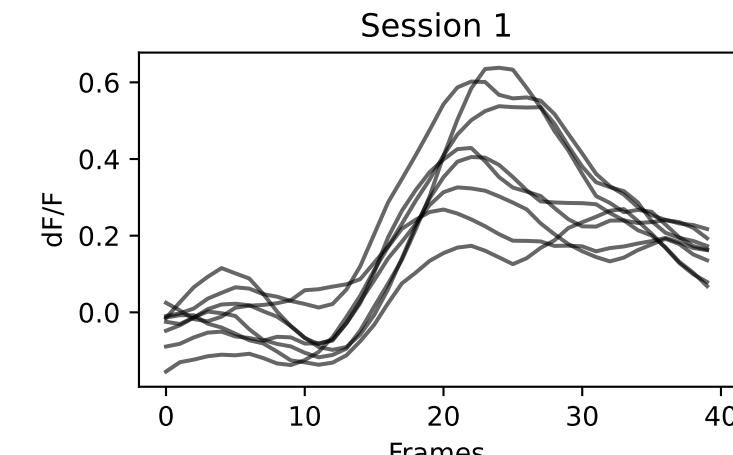
Lin 1-1

Ridge  $\alpha=1.0\text{e-}06$ Lasso  $\alpha=2.5\text{e-}05$ 

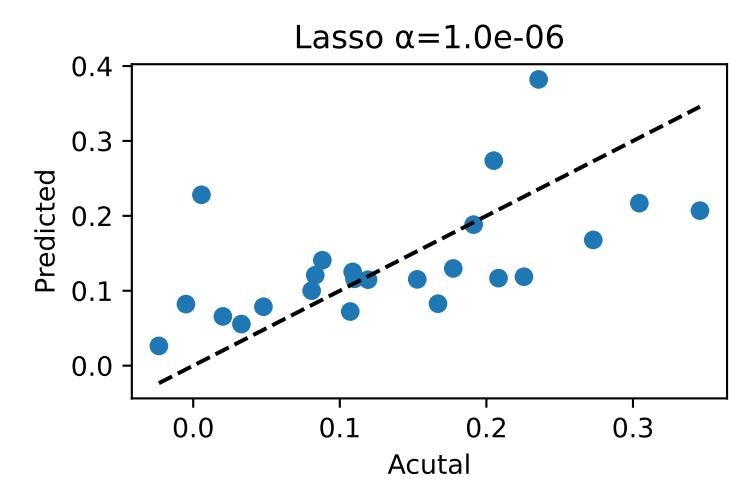
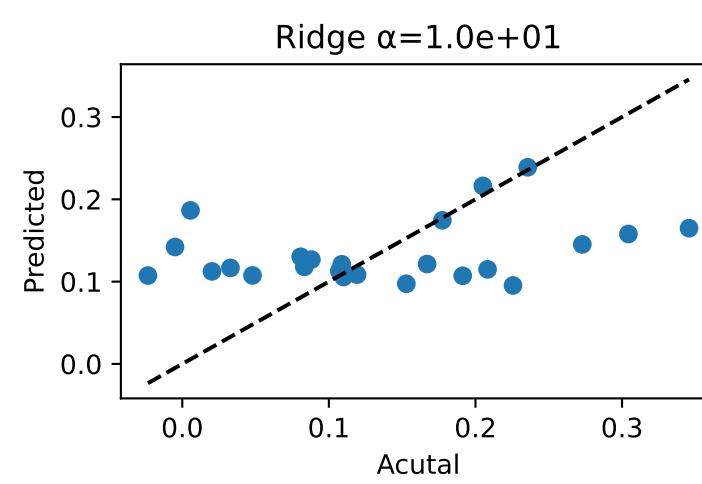
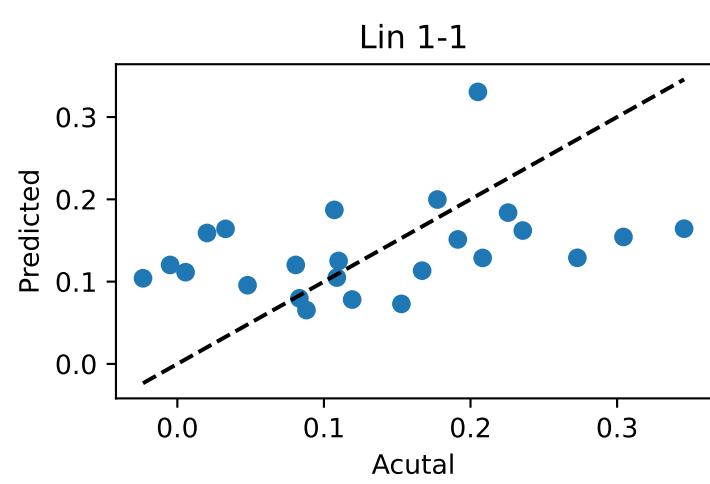
Ridge ROI Weights



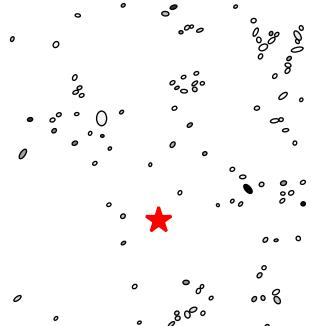
Config 30, ROI 31



Lin 1-1  $R^2 = 0.09$   
Ridge  $R^2 = 0.11$   
Lasso  $R^2 = 0.29$



Ridge ROI Weights



Lasso ROI Weights

