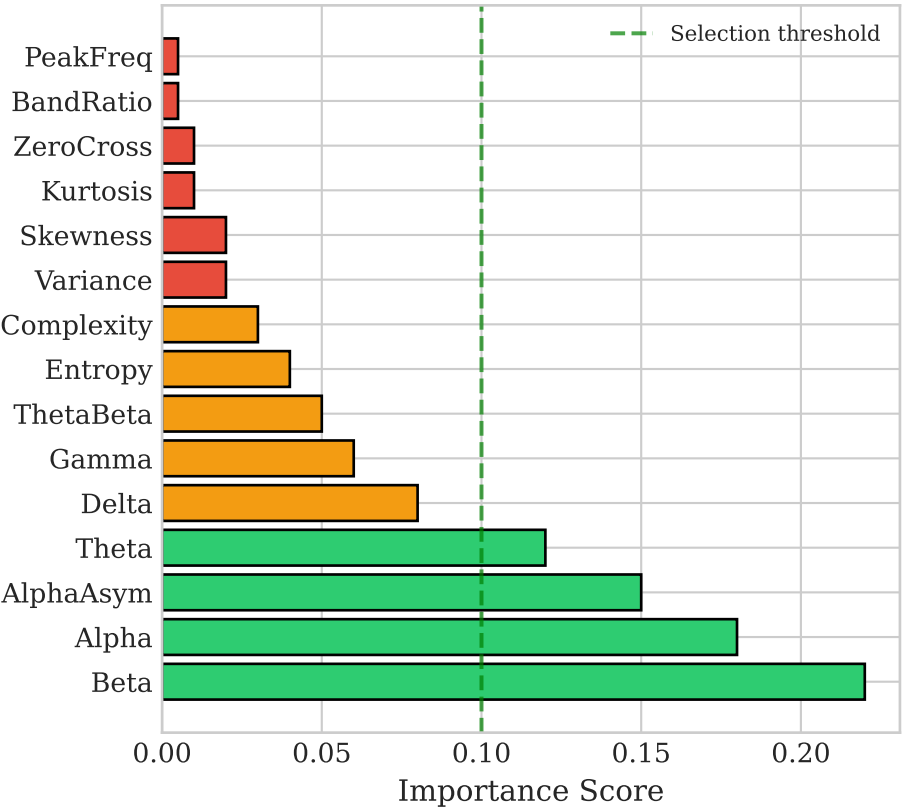
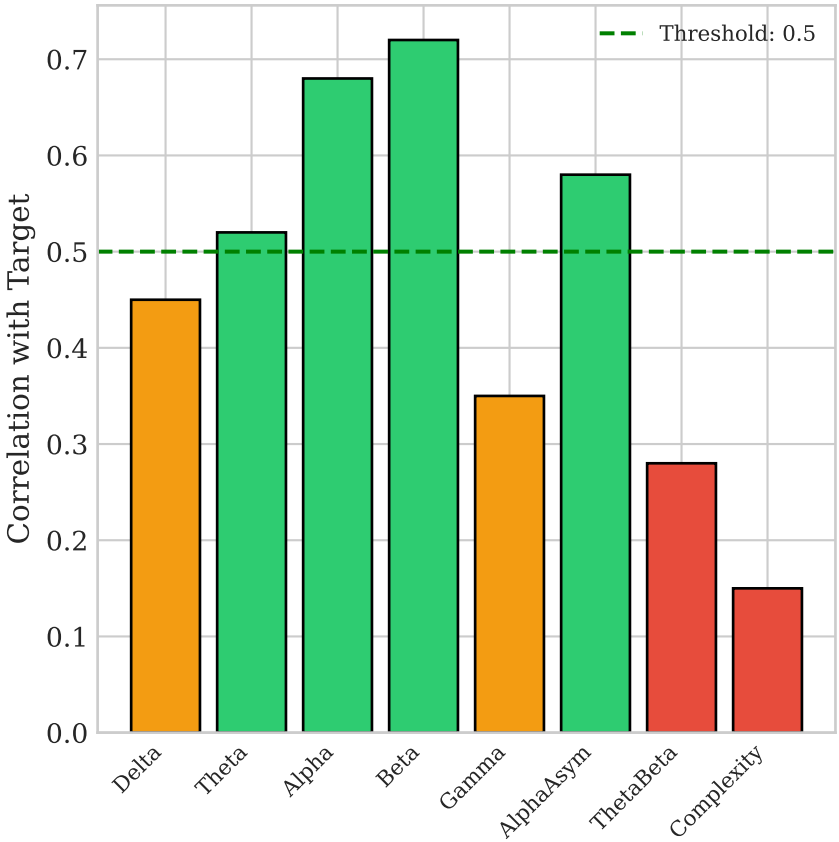


Feature Selection Analysis

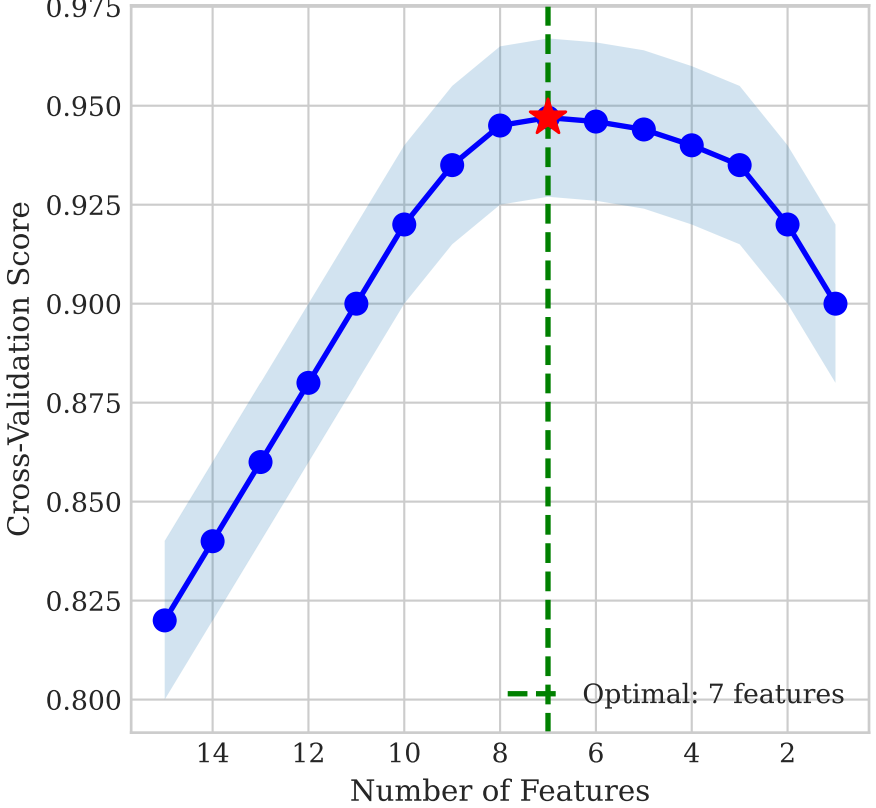
Feature Importance
(Random Forest)



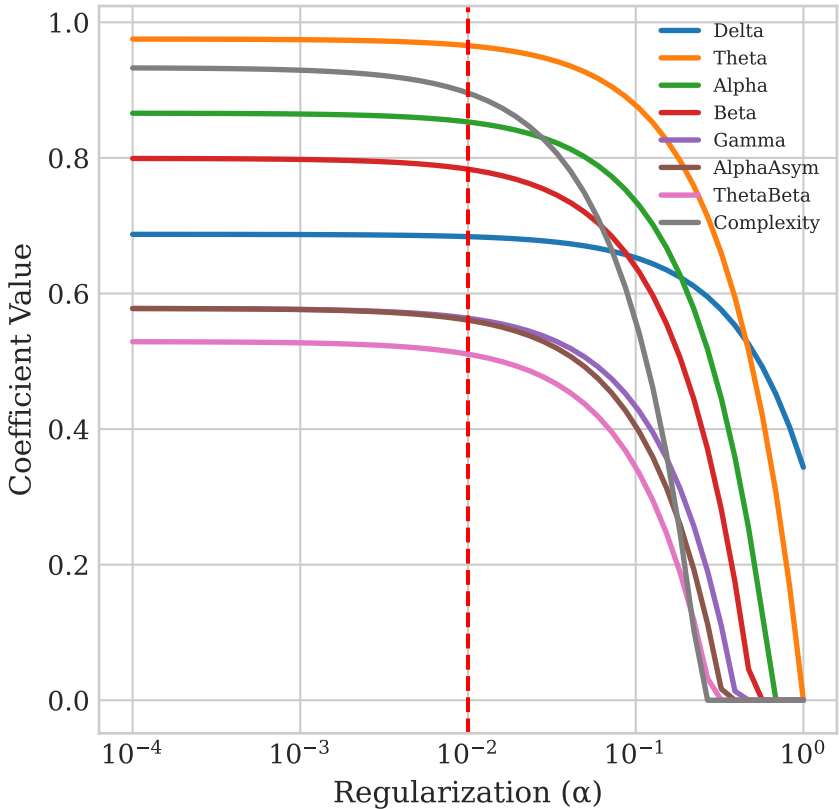
Correlation-based Selection



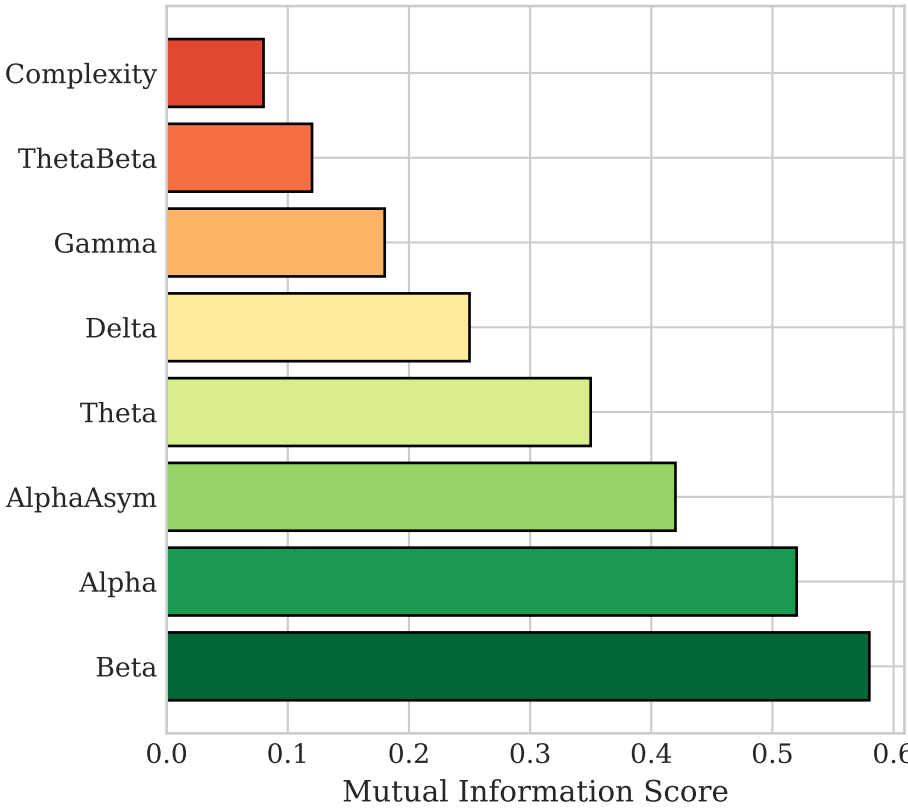
Recursive Feature Elimination (RFE)



LASSO Regularization Path



Mutual Information Selection



Feature Selection Methods Comparison

Method	Type	Selected Features	Accuracy
Filter (Corr)	Univariate	Beta, Alpha, AlphaAsym, Theta	91.2%
RFE	Wrapper	Beta, Alpha, Theta, AlphaAsym, Gamma	94.7%
LASSO	Embedded	Beta, Alpha, AlphaAsym, Theta, Gamma	93.8%
RF Importance	Embedded	Beta, Alpha, AlphaAsym, Theta	93.2%
Mutual Info	Filter	Beta, Alpha, AlphaAsym, Theta, Gamma	92.5%
Consensus	Ensemble	Beta, Alpha, AlphaAsym, Theta	94.7%