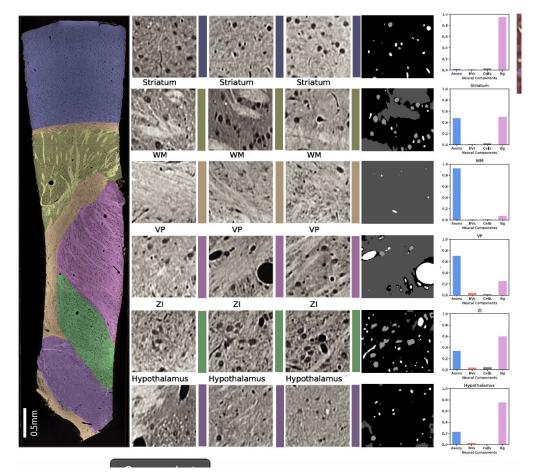
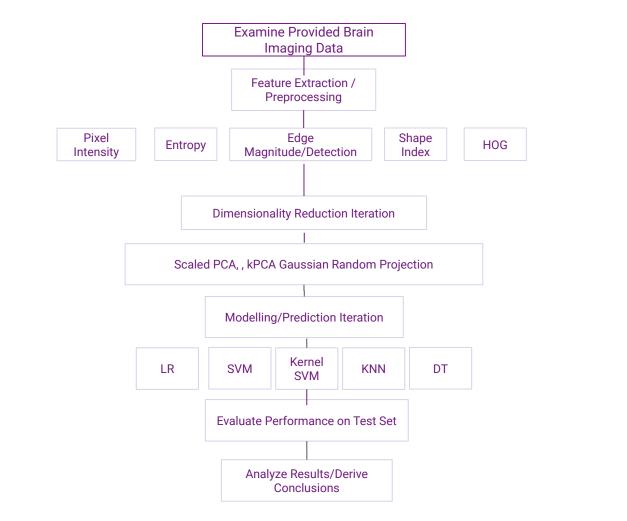
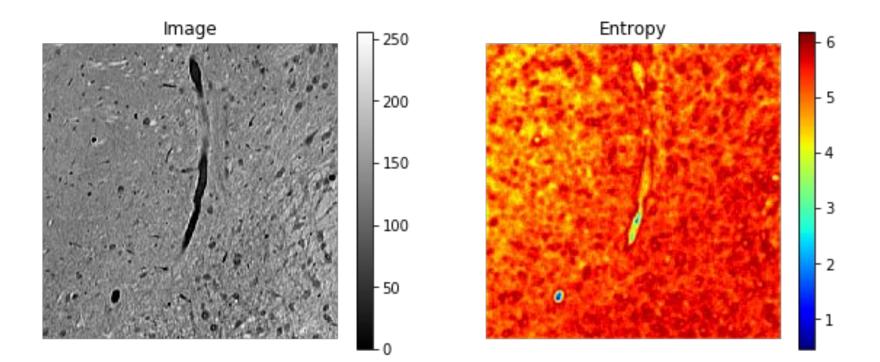
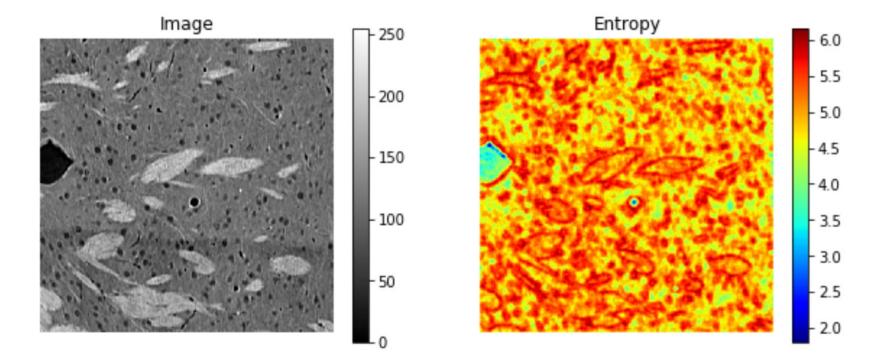
Brain Mapping

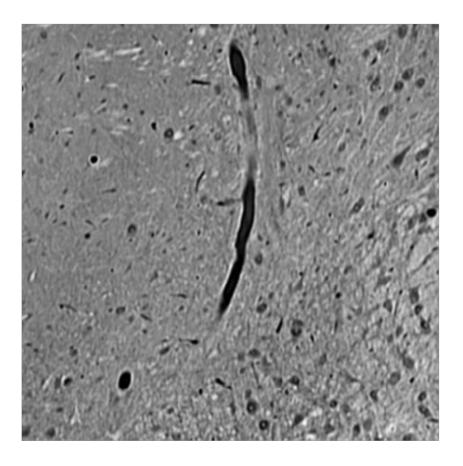
Project by: Cori Harber, Lisa Meyer-Baese, Erika Moreno, Hope Mumme, Heather Whittaker

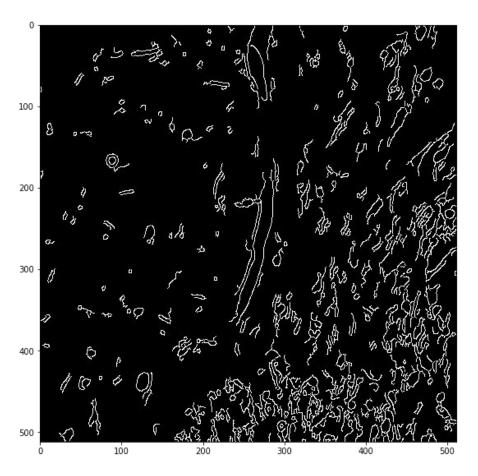


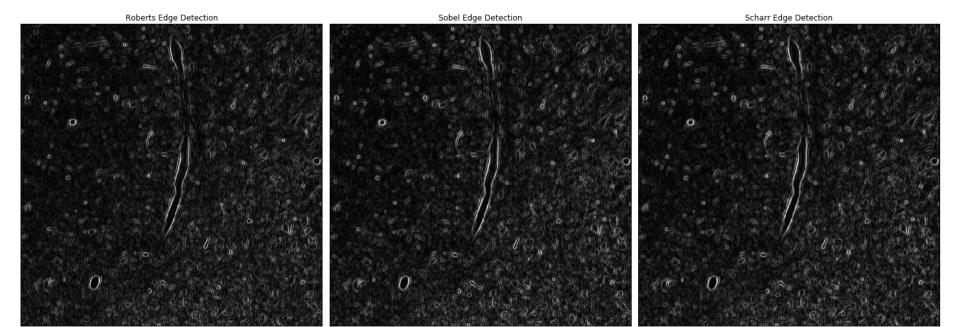




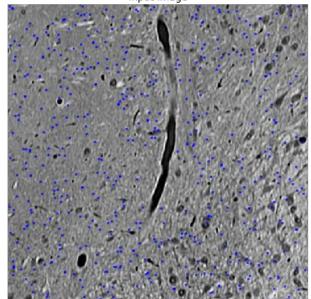




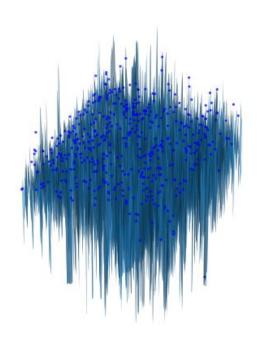




Input image

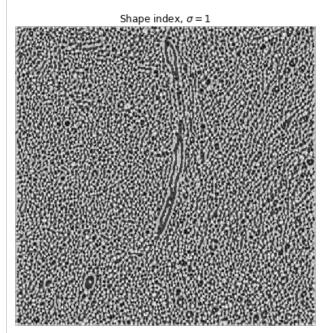


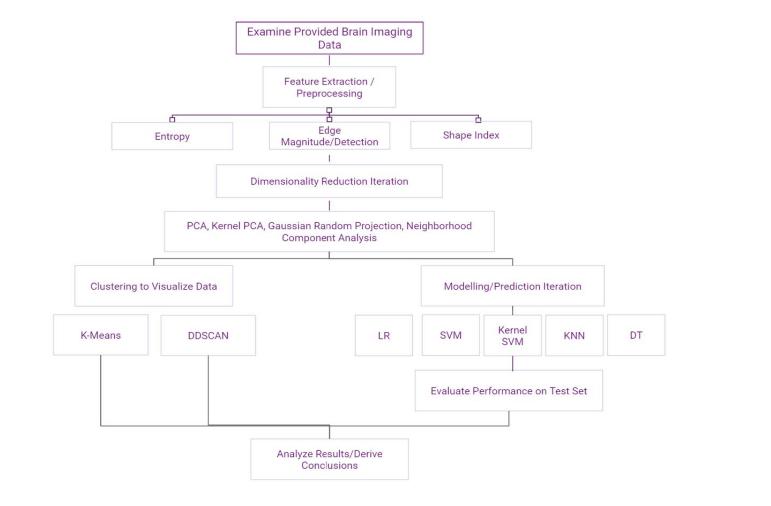
3D visualization

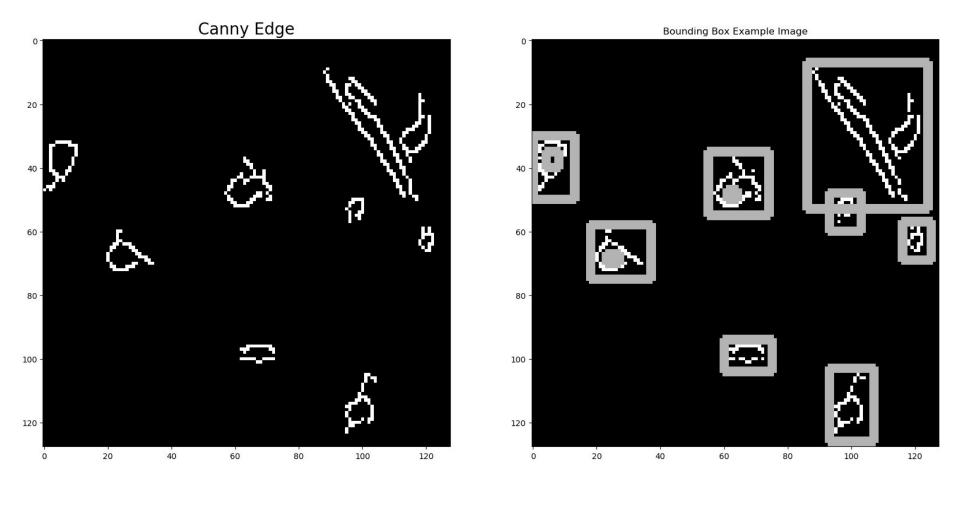


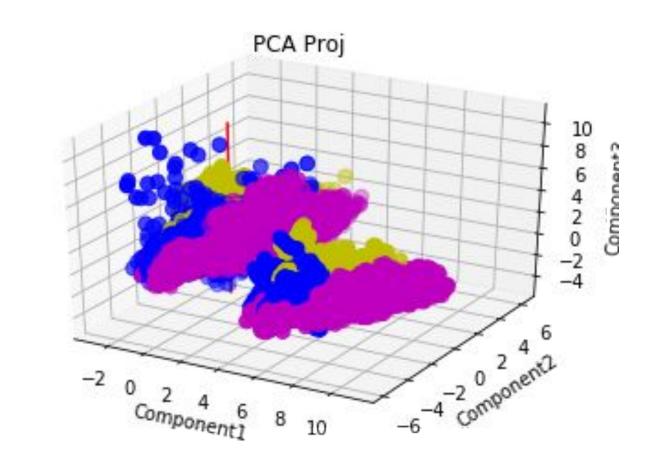


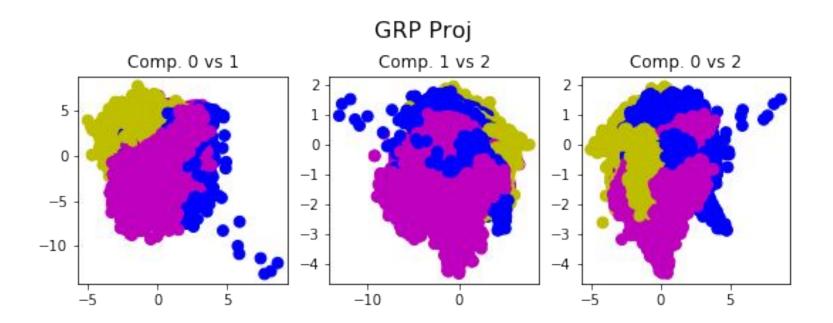
•
$$|s'-1| < 0.05$$



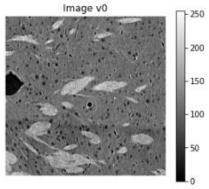


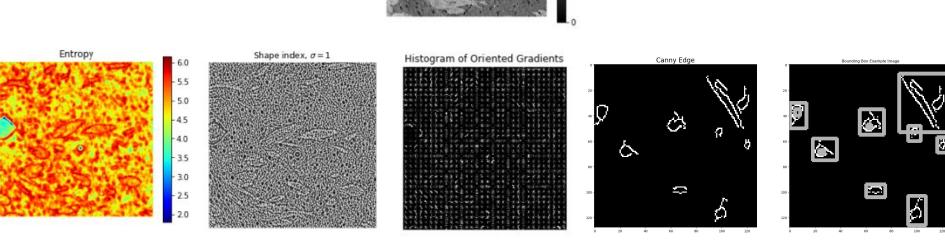


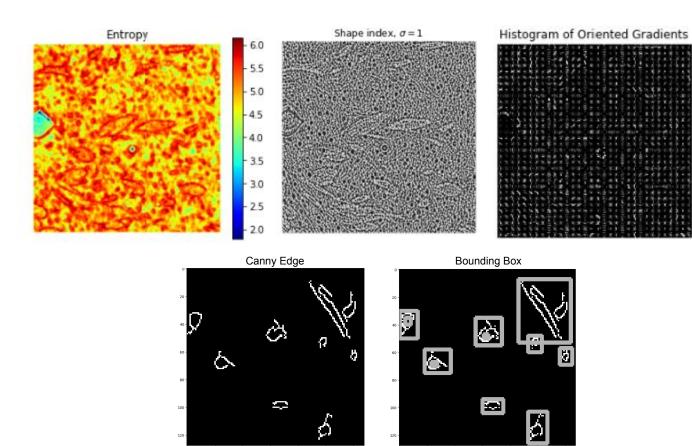




Feature Extraction Images







Classification Results

Without Dimensionality Reduction Feature Set 1			With D	With Dimensionality Reduction Feature Set 2		
	Train Acc	Test Acc		Train Acc	Test Acc	
Name			Name			
LR	0.902670	0.905208	LR	0.950530	0.952495	
kNN	0.995310	0.976338	kNN	0.985806	0.963636	
SVM	0.901679	0.903466	SVM	0.950917	0.953112	
KSVM	0.979119	0.975286	KSVM	0.985032	0.978407	
DT	0.834239	0.826420	DT	0.834239	0.826420	