

ICS 663: Pattern Recognition (Fall 2015)

List of Previous Projects

- A comparison of algorithms for spam filtering
- Song recognition
- Pattern recognition in digital medical images
- Clustering the DNA fragments of staphylococcus phage strains using self-organizing maps
- Phrase-based clustering of astrobiology literature
- Unsupervised methods for detecting a malicious insider
- Analyzing traffic density in low resolution images with large interval times between frames
- Automatic detection of communities in a social network of Hawaiian commercial fishing vessels
- Averaging training data for face recognition
- Hierarchical clustering of text documents for browsing
- Footstep classification using Bayesian decision theory
- An unsupervised clustering method for intrusion detection
- Malware detection based on K-nearest neighbor approach
- A re-inquiry of web-page classification through summarization
- An overview of Dempster-Shafer Theory of belief functions and application to data fusion
- Bayesian sensor approach to multi-coil MRI fusion
- Land cover classification using MODIS data for the island of Hawaii
- Building Species family profiles using protein clustering
- Bayesian grayscale image segmentation using reversible jump Monte Carlo Markov chains
- Optimized nearest neighbor methods: Cam Weighted distance & statistical confidence
- Comparing backpropagation and genetic approaches to training neural networks