Sta561/COMPSCI571 Projects from 2013

Dimensionality reduction techniques and neuronal firing rates

Predicting Gene-Disease Propensity: Regression Approaches

I want food and I want it meow: Classification of cat vocalization context from acoustic characteristics using machine learning

Optimized Classification Model for Differential Mobility Spectrometry

Music Emotion Classification Based on SANT

Classifying StumbleUponWebpages as Evergreen or Ephemeral

Seizure prediction with spatiotemporal correlation features and a nonlinear SVM

Automated Production of Political Indicators

Titanic survival classification with Machine Learning

Identification of mobile devices from accelerometer data

Bayesian Probabilistic Models for 2014 FIFA World Cup Prediction

Stock Value Prediction and Optimal Bundling based on Diffusion Geometry

Automated transcription of monophonic piano music

Genomic Analysis of ETEC Based on Comparing of ALL

Classification methods for Leukemia Diagnosis

Inferring Underlying Social Status from Directed Networks

An Innovative Method for Handwritten Digit Recognition

MATS: Markov-based Trace Synthesis with Differential Privacy

Matrix Factorization and Its Application in Topic Modeling and Rating Prediction

Binary Classification with High Dimensional Heterogenous Features

GPU Based Sparse Bayesian Learning for Large Scale Computerized Tomography

Kernel PCA with Missing Data

Probit and Poisson regression with stochastic search variable selection for mitotic recombination data

Hierarchical Generalized Linear Model for Scheduling Latency

Fusion of Landmine Detection Algorithms Using Multiple Kernel Learning (MKL)

Predicting if Bike-Share stations Will Run Out of Bikes in the Morning

Stochastic Volatility Modeling: A Comparison of Particle Filtering and Gibbs Sampling

Private Recommendation Systems

Probability of Ovulation and Conception After One Random Act of Intercourse

Reversing Conway's Game of Life
Bayesian Spatial Quantile Regression for Emergency Department Medical Expenditures
Optimal dividend decision making: A Bayesian Approach
DP Learning of Comedy Video Preferences
Cross Analysis of Insulin Pump Therapy Using Bayesian Hierarchical Modeling
Classification of Traditional Chinese paintings using SVMs
Predicting the results of soccer matches
Using error-related potentials for error correction in P300 spellers
DNase Hypersensitive sites across cells during muscle transformation
Practical Demonstration of Topic Modeling
Course Classification Base on LDA Generative Model
Applying Natural Language Processing Techniques to Financial Document Analysis
Predicting The Electrophoretic Mobility In PAGE Using a Generalized Regression Model
Political Topic Modeling
Optimizing Preseason Fantasy Football Rankings
Learn from Taxi Drivers
Predicting Handoffs in WiFi Networks
Combining Surveys using a Hierarchical Dirichlet Process
Development and comparison of unsupervised clustering techniques for classifying wake evolution in wind turbines
Sensor Data Fusion Using Kalman Filter And Particle Filter
Automatic classification of Bug Reports based on Fault Triggers
Where will they go? High School Athletes and College Selection
Hybrid Query Performance Prediction
Intrinsic Bayes Factor Model Selection in Likely Voter Modeling
Bayesian Single-Image Blind Deblurring
Feature Selection and Activity Recognition
Matrix Factorization and Its Application in Topic Modeling and Rating Prediction
Analysis of Airfares Using a Hierarchical Regression Model and MCMC
Scalable Recommender System over MapReduce
Learning User Perception in Computational Fact-Checking
Learning User Perception in Computational
Fact-Checking

DNA methylation imputation

Bayesian canonical correlation analysis model for eQTL study

Stereo Vision Based Robot Localization Using Extended Kalman Filters

Two-Part DP Mixture Models for ED Expenditures