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Data in Functional Genomics -- Decision Fusion on Boosting Ensembles -- The Mixture of Neural Networks as Ensemble Combiner --Combining Methods for Dynamic Multiple Classifier Systems --Researching on Multi-net Systems Based on Stacked Generalization --Applications -- Real-Time Emotion Recognition from Speech Using Echo State Networks -- Sentence Understanding and Learning of New Words with Large-Scale Neural Networks -- Multi-class Vehicle Type Recognition System -- A Bio-inspired Neural Model for Colour Image Segmentation -- Mining Software Aging Patterns by Artificial Neural Networks -- Bayesian Classifiers for Predicting the Outcome of Breast Cancer Preoperative Chemotherapy -- Feature Selection -- Feature Ranking Ensembles for Facial Action Unit Classification -- Texture Classification with Generalized Fourier Descriptors in Dimensionality Reduction Context: An Overview Exploration -- Improving Features Subset Selection Using Genetic Algorithms for Iris Recognition --Artificial Neural Network Based Automatic Face Model Generation System from Only One Fingerprint.