FIT5186 Intelligent Systems

Assignment: Solving a Neural Network Problem

Titles (topics) completed

2012

Car evaluation based on neural networks
Classification for bank direct marketing
Classification of wine using neural networks
Detecting wine quality using neural networks
Evaluating loan applicants using neural networks
Forest fire prediction
Income classification of United State residents
Iris classification using NeuroShell 2
Land cover classification with neural networks
Letter recognition with neural networks
Prediction of potential insurance policy buyers
Using neural networks for river discharge prediction
Using neural networks to judge the quality of red wine
Wine recognition with neural networks

2013

Abalone age prediction
CAPTCHA recognition based on neural networks
Car evaluation using neural networks
Classification of wine quality by means of neural networks
Classification of winner in tic-tac-toe games using neural networks
Credit risk evaluation
Influence of parameters on the prediction of neural networks
Methods for multivariate particle classification
Predicting diabetes mellitus using neural networks
Prediction for burned area of forest fires
Prediction of breast cancer biopsy outcomes using multilayered feedforward neural networks
Synonyms discovery using neural networks
The application of neural networks for car classification

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Titles (topics) completed

2014

Cardiac arrhythmia prediction with neural networks

Classification of edible mushrooms

Classifying abalone shellfish through neural networks

Client classification and clustering analysis based on neural networks in bank marketing campaigns

Combining neural networks and financial indices to predict the stock trend in China

Evaluating the quality of red wine

Evaluation of term deposits

Heart disease diagnosis with MFNN and decision trees

Image letter recognition

Internet traffic classification using backpropagation neural networks

Neural network models to forecast bank market

Page blocks classification

Prediction of compressive strength of concrete by neural networks

Prediction of NBA matches

Predicting buying behavior of previous customers

Product classification

Solving a practical marketing problem with neural networks

Solving a wine quality classification problem with neural networks

Spam classification with neural networks

Using data mining for bank direct marketing: an application of the neural network model

Using neural network models to give recommendations on the severity (benign or malignant) of a mammographic mass lesion

Using neural network models to classify people absence or presence of heart diseases

Using neural network models to detect diseased trees

Using NeuroShell 2 for animal classification

Wine classification using neural networks

Wine quality certification using neural networks

2015

Not available.

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Titles (topics) completed

2016

Air quality prediction using neural networks
Assessment of customer credit card default risk using neural networks
Classification of heart disease using neural networks
Classifying the reason for elevator accidents with neural networks
Classifying the strength level of concrete according to the amount of composition materials
Dermatology classification using neural networks
Detecting spam emails using neural networks
Diagnosis of hepatitis using neural networks
Leaf classification with neural networks
Predicting NBA matches using neural networks
Predicting the result of a football game at halftime
Prediction of credit card default of clients based on neural networks
Prediction of levels of video game players
Prediction of potential bank term deposit subscribers
Realty prediction using neural networks
Utilizing the neuronal network model to predict whether a user likes a film

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Titles (topics) completed

2017

Breast cancer diagnosis using neural networks
Car evaluation with neural networks
Classification of red wine quality using neural networks
Classification of white wine quality using neural networks
Classifying the class of Iris plant by the attributes of sepal and petal
Convolutional neural networks for image classification
Detecting phishing or legitimate websites using neural networks
Detecting phishing websites using machine learning
Edible or poisonous: Mushroom classification
Evaluating the acceptability of a car using neural networks
Forest type mapping using neural networks
Potential credit card default clients classification using neural networks
Predicting absence or presence of heart disease with neural networks
Predicting the crude oil price based on neural networks
Prediction of survival in Titanic shipwreck with the MFNN neural network
Prediction of thoracic surgical risk using neural networks
Recognition of wine using neural networks
Steel plate fault classification