

A Review on Web Application for Consultant Services

Prof. V. R. Palekar, Miss. Sujata Paik, Miss. Diksha Gharde Department of Computer Science and Engineering,

D.M.I.E.T.R. , Wardha.

Abstract

Data mining assumes a critical part in numerous basic leadership application and research areas. Expectations of a things in light of information accessible is one of the critical highlights of information mining. Advance and protection proposal framework is one of information mining and machine learning application where the framework needs to prescribe the banks that can give advance to clients and in the meantime furnish clients with protection giving organizations that can give appropriate plan to clients. We will utilize K-NN based approach for giving clients such proposals.

INTRODUCTION

An online consultant has an experienced professional who advises business clients on insurance, employee benefits, and other products. An online consultant may focus on a particular type of benefit, and can provide a range of advice on selecting, purchasing and administering benefits. They often have long-standing relationships with their clients and can assist them with paperwork, compliance, and annual renewals. Working with an experienced financing consultant can save you considerable time, money, and frustration.

In this project we propose a multi service web application for Gandhi consultancy Services Wardha for Loan, Insurance and Travel services. We will be providing them with dynamic website where users will be provided recommendation for Loans and Insurance services using data mining.

- 1. Building a module for sending and receiving messages via email.
- 2. Building a recommendation module to recommend similar questions, which have been answered in the past.
- 3. Building a web-based system for integrating all of the above modules and for configuration management.

It is a web application which supports decision making. It acts like an insurance consultant who gives the appropriate opinion to the customers based on the details filled by user like personal information, financial details, family details etc.

LITERATURE SURVEY

Consultancy aim the executives of companies by providing them with consultants, also known as industry-specific specialists/consultants and subject-matter experts, usually trained in management or business schools. The deliverable of a consultant is usually advice or a recipe to



follow to achieve a company objective, leading to a company project.

More and more consulting firms are complementing the strategic deliverable by providing the means to implement the recommendations, either with the consultants themselves or by providing technicians / experts, which has opened up new markets for these companies

[1] Mortgage Data Mining:-In this paper author, George H. John, Ying Zhao provide the mining information on mort-gage. This paper reports a preliminary investigation of the use of modern data mining tools for mort- gage scoring. Using IBM's Intelligent Miner (a data mining toolbox), we built a model of serious delinquency on a sample of Information data from Mortgage Corporation's Loan Performance System which contains over 20 million loans with a volume of over \$1.6 trillion. Currently, two technologies prevail in mortgage scoring: logistic regression, a very old and very simple method, and neural networks newer and more complex types of models that can be extremely difficult to interpret.

[2] Data Mining Applications in the Banking Industry in China:-In this paper author, Zhao Dan used the data mining algorithm for banking system, Data mining referred to popularly as knowledge discovery from data (KDD), is the automated or convenient extraction of patterns representing knowledge implicitly stored or catchable in large databases, data other massive warehouses. the Web.

information repositories, or data streams. Data mining increasingly mature and has been widely used in various industry. The banking industry is typical Industry of data mining applications. This study reviews the relevant literatures on data mining applications in the banking industry from 1998 to 2007 in China. With the method of bibliometric analysis makes a statistical analysis on literatures from the perspectives of time distribution, research techniques, research topics, and research methods. This paper concludes data mining in the banking industry research category Charts, and the applied research character of data mining in the banking industry in China. With the overseas research situation contrast, this paper makes some suggestions on the improvement of data mining applications in China.

[3] A Decision Support Based on Data Mining in e-Banking:-In this paper author, Irina Ionita, Liviu Ionita, gives the idea about financial decision making support system. The use of data mining techniques in banking domain is suitable due to the nature and sensitivity of bank data and due to the real time complex decision processes. The main concern for a bank's manager is to take good decisions in order to minimize the risks level associated to bank's activities. It is very important for a bank to have knowledge of causes which generate the financial crises or imbalances. Lending is one of the most risky activities in banking area and adequate methods to support the decision making process are necessary. In



this paper the authors present a prototype decision support system based on data mining techniques used in lending process. The proposed system was designed to assist a customer who applies for a credit and it may represent an extension for e-banking activities, data mining, and decision support, e-banking.

[4] k-Nearest Neighbor Classification over semantically Secure Encrypted Relational Data :-In this paper author, Bharath K. Samanthula, Yousef Elmehdwi, and Wei Jiang, provides the idea about semantically secure encrypted data using KNN algorithm, Data Mining has wide applications in many areas such as banking, medicine, scientific research and among government agencies. Classification is one of the commonly used tasks in data mining applications. For the past decade, due to the rise of various privacy issues, many theoretical and practical solutions to the classification problem have been proposed under different security models. However, with the recent popularity of cloud computing, users now have the opportunity to outsource their data, in encrypted form, as well as the data mining tasks to the cloud. Since the data on the cloud is in encrypted form, existing privacy-preserving classification techniques are not applicable. In this paper, we focus on solving the classification problem over encrypted data. In particular, we propose a secure k-NN classifier over encrypted data in the cloud. The proposed protocol protects the confidentiality of data, privacy of user's input query, and hides the data access

patterns. To the best of our knowledge, our work is the first to develop a secure *k*-NN classifier over encrypted data under the semi-honest model. Also, we empirically analyze the efficiency of our proposed protocol using a real-world dataset under different parameter settings.

Data mining application in banking [5] sector with clustering and classification methods :- In this paper author, Aslı Çaliş, Kasım Baynal Ahmet Boyaci gives the idea about how the data mining can be used for clustering and classification in banking sector, because of the phenomenal rise in information, future forecasting systems about strategy development were needed in each area. Therefore, data mining techniques are used extensively in banking area such as many areas. In this study, conducted in banking sector, it was aimed to reduce the rate of risk in decision making to a minimum via analysis of existing personal loan customers and estimate potential customers' payment performances with kmeans method is one of the clustering techniques and the decision trees method which is one of the models of classification in data mining. In the study, SPSS Clementine was used as software of data mining and an application was done for evaluation of personal loan customers.

[6] Data Mining: the Investment Value Analysis on China's Bank Stocks Based on Residual Income Model:-In this paper author, Zaiqiang Huo gives the idea about stock market investment, This paper is based



on Olson's residual income model and evaluates the investment value of China's bank stocks, as well as the experience analysis of the existence of bubbles and bubble degree. In order to provide experience evidence for making rational investment decisions in China's bank stocks.

SUMMARY

There is little awareness about Insurance products among a common people. Insurance rules get amended from time to time basis, there are various clauses and very less data is shared with end user. Albeit, a lot of data is available with IRDA, it is not easy to access and would be very difficult for layman to comprehend and utilize for the best of his use.

CONCLUSION

People get frustrated from bad customer services. They gets worried about document collection and their submission to bank, unwillingly they have to give some time from their busy schedule to this work. They have to visited to different sites as per requirement such as banking and financial services and it's a time taking problem they have been facing nowadays. BankStocksBasedonResidualIncome Model"IEEE 2014.

[2] George H. John "Mortgage Data Mining" Global Business Intelligence SolutionsIBM Almaden Research Center 1997.

[3] Zhao Dan "Data Mining Applications in the Banking Industry in China" Southwest University for Nationalities, Chengdu, P.R.China 2008.

[4] Irina Ionita "A Decision Support Based on Data Mining in e-Banking" IEEE 2011.

[5] Bharath K. Samanthula "*k*-Nearest Neighbour Classification over Semantically Secure Encrypted Relational Data" IEEE 2015.

[6] AhmetBoyaci "Data mining application in banking sector with clustering and classification methods" IEEE 2015.

[7] Nikita Uttarwar "k-nn data classification technique using semantic search on encrypted relational data base" Dept. of Computer Engineering AISSMS,COE, Pune, India 2016

REFERENCES

[1] Zaiqiang Huo "Data Mining: the Investment Value Analysis on China's