LOAN ELIGIBITY PREDICTION

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1.Introduction

1.1Overview:

This project refers to the Loan Eligibility Prediction this will help in finding the right person for loan eligibility.who will take the loan and who will not.we can find the right persons.

1.2 Purpose:

The project gives insights about identifying the right people who can effort loan and for whom we can give.we are calculation every instance of there background and finial status.by these can easily identify who are eligible.Achievement by using this project is we are identifying the right person who is eligible for this loan.

2 LITERATURE SURVEY

2.1Existing problem:

There are some people who can not effect the loan amount but they are considering the loan.By this they suffering by unplayable interest.with put checking the finical status and pending loans they are providing the loans.They will not get money returns will be less.Hence there is a loss.This is the Existing problem.

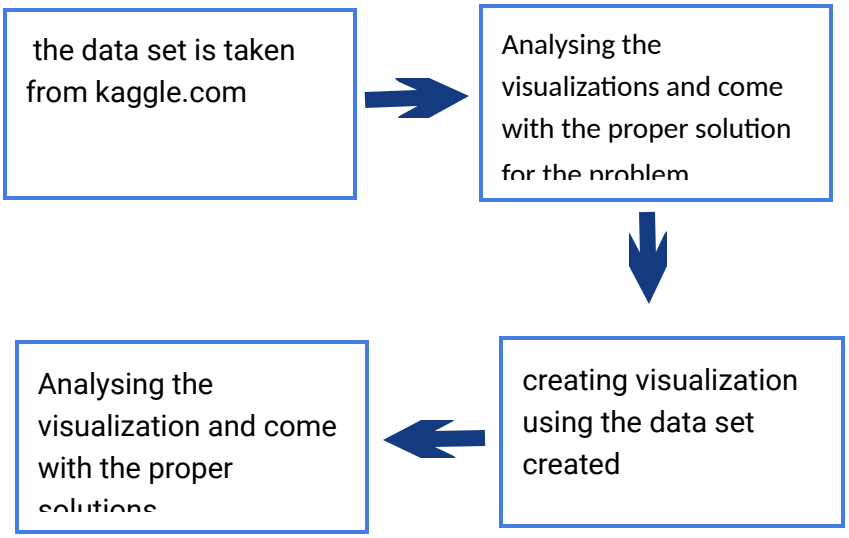
2.2.Proposed solution:

We use visualization for getting insights from data of people. We should observe the people which are performing badly and come with a clear loans to improve those credit score. We should observe the credit score and loan status. where this is a main insight to look after Bankruptcies we can know how he is towards loans.extract solutions for avoiding the Existing problems .

3 THEORETICAL ANALYSIS

3.1Block diagram:

This is the block diagram of the project



3.2.SOFTWARE / HARDWARE:

a. designing: Software:

i. Eclipse

ii. Weka

Hardware:

Windows:

1. Microsoft Windows 7 or newer (64-bit)
2. Microsoft Server 2008 R2 or newer
3. Intel Pentium 4 or AMD Option processor or newer
4. 2GB memory
5. 1.5 GB minimum free disk space

or

macOS:

6. ***iMac/MacBook 2009*** computers 2009 or newer
7. ***OSX 10.10*** or newer
8. 1.5 GB minimum free disk space

4. EXPERIMENTAL INVESTIGATIONS

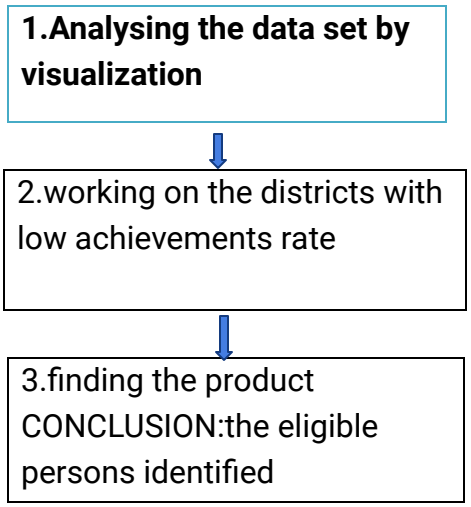
While analysing the data, we get to know that the people who are having married status as "YES" they are having high credit score.And having good bank statements.the persons who arese married status is "NO" are not have that much good scores.the people with own houses are able to pay the loans very faster then others.the self employed persons are also having good credit score and also credit history.

Based upon the applicantIncome we are deciding the exact prediction of yes or no.we need to check the perfect model.i am using logistic regression for find this

things.and taking train and test data sets through the given data set.And predicting the values.we are getting a good accuracy for the model.

This document helped to find out some useful insights for the project

5.Flow chart:



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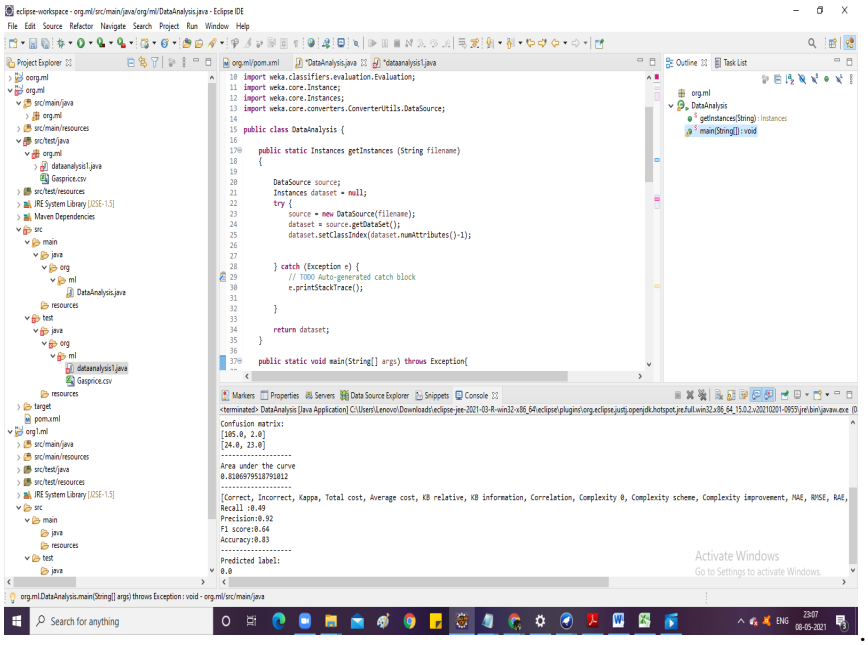
6 RESULT

by this logistic regression we can find the good accuracy prediction.to whom can we give loans and how will take the loan ect.by our model we got 0.83%accuracy



7 advantages and disadvantages:

advantages:

- by this model we can predict the good customers that will be attracted to our loans policies
- We can easily find out the people interest with lower performance and also the objectives which we should work on for improving the performance.
- Interpretation of visualization is very easy. by looking at the charts we can conclude the insights of the data.

Disadvantages:

- Here we may have default people also.who will not be to take loan.and we are getting a wrong prediction will As it is data from the year 2010, we can't use this approach in recent or future. . So new approach is required for new data.

8 APPLICATIONS

- It can be applied in the fields for the development of the bankers banks

- To find out the reasons for the problem of drawbacks in taking loans

- Approach to developing the loan people which are used in increase in loans, we can use the same strategy for the developed people

9. CONCLUSION

The project gives insights about identifying the right people who can effort loan and for whom we can give.we are calculation every instance of there background and fincial status.by these can easily indentify who are eligible.Achievement by using this project is we are identifing the right person who is eligible for this loan.so,the banks will not be cheated.

While analysing the data, we get to know that the people who are having married status as "YES" they are having high credit score.And having good bank statements.the persons who arese married status is "NO" are not have that much good scores.the people with own houses are able to pay the loans very faster then others.the self employed persons are also having good credit score and also credit history.

BIBLIOGRAPHY

- The data is taken from the website kaagle.com.
- The domain of the data is the employment sector. here is the link for that website Employment sector.