Registered

Starts at	Wed May 25 2016 11:31:00 GMT-0700 (PDT)
Closes on	Sat Dec 31 2016 10:29:00 GMT-0800 (PST)
Mode	Online
# Participants	6037
Prizes	Knowledge and Learning

Contest ends in 10days: 0hours: 49minutes: 29seconds

Rules

- The hackathon starts at 00:00 (UTC + 5:30) on 26th May, 2016 and closes at 23:59 on 31st Dec, 2016 (UTC + 5:30)
- One person cannot participate with more than one user accounts.
- You are free to use any tool and machine you have rightful access to.
- You can use any programming language or statistical software.
- You are free to use solution checker as many times as you want.

Resources

- Data Exploration is the core of machine learning competition. To understand more about it, click here (http://www.analyticsvidhya.com/blog/2016/01/guide-data-exploration/).
- You can refer introduction course to participate in machine learning competition on DataCamp (https://www.datacamp.com/community/open-courses/introduction-to-python-machine-learning-with-analytics-vidhya-hackathons) designed by Analytics Vidhya.
- You can participate in workshop "Experiments with Data (http://datahack.analyticsvidhya.com/contest/experiments-with-data-4)" to start your data science journey using Excel, R or Python

Problem Statement

About Company

Dream Housing Finance company deals in all home loans. They have presence across all urban, semi urban and rural areas. Customer first apply for home loan after that company validates the customer eligibility for loan.

Problem

Company wants to automate the loan eligibility process (real time) based on customer detail provided while filling online application form. These details are Gender, Marital Status, Education, Number of Dependents, Income, Loan Amount, Credit History and others. To automate this process, they have given a problem to identify the customers segments, those are eligible for loan amount so that they can specifically target these customers. Here they have provided a partial data set.

Data

Variable	Description
Loan_ID	Unique Loan ID
Gender	Male/ Female
Married	Applicant married (Y/N)

Dependents	Number of dependents
Education	Applicant Education (Graduate/ Under Graduate)
Self_Employed	Self employed (Y/N)
ApplicantIncome	Applicant income
CoapplicantIncome	Coapplicant income
LoanAmount	Loan amount in thousands
Loan_Amount_Term	Term of loan in months
Credit_History	credit history meets guidelines
Property_Area	Urban/ Semi Urban/ Rural
Loan_Status	Loan approved (Y/N)

Note:

1. Evaluation Metric is accuracy i.e. percentage of loan approval you correctly predict.
2. You are expected to upload the solution in the format of "sample_submission.csv"

⬇ Test File (/contest/practice-problem-loan-prediction-iii/media/test_file/test_Y3wMUE5_7gLdaTN.csv)
⬇ Train File (/contest/practice-problem-loan-prediction-iii/media/train_file/train_u6lujuX_CVtuZ9i.csv)
⬇ Sample Submissions (/contest/practice-problem-loan-prediction-iii/media/sample_submission/Sample_Submission_ZAuTl8O_FK3zQHh.csv)

Solution Checker

Code File

[Choose File] No file chosen

Solution File*
(.csv or .zip file)

[Choose File] No file chosen

Solution Description
(max : 180 chars)*

[Solution Description (for your interest)]

[Add Solution]

Discussions

About the Loan_prediction category (https://discuss.analyticsvidhya.com/t/about-the-loan-prediction-category)

How to fill Nan Values? (https://discuss.analyticsvidhya.com/t/how-to-fill-nan-values)

Loan_Prediction 3 : I dont understand the 'No of Dependent' Variable (https://discuss.analyticsvidhya.com/t/loan-prediction-3-i-dont-understand-the-no-of-dependent-variable)

When I submit answer my score didn't show (https://discuss.analyticsvidhya.com/t/when-i-submit-answer-my-score-didnt-show)

Two different results on confusion matrix using random Forest on loan prediction data (https://discuss.analyticsvidhya.com/t/two-different-results-on-confusion-matrix-using-random-forest-on-loan-prediction-data)

Loan Prediction 3 - Questions on applying the model (https://discuss.analyticsvidhya.com/t/loan-prediction-3-questions-on-applying-the-model)

Loan Prediction, Reveal Your Approach (https://discuss.analyticsvidhya.com/t/loan-prediction-reveal-your-approach)

Using SAS Studio (University Edition) for Loan Prediction problem (https://discuss.analyticsvidhya.com/t/using-sas-studio-university-edition-for-loan-prediction-problem)

Loan-prediction Practice Problem : How to improve the model? (https://discuss.analyticsvidhya.com/t/loan-prediction-practice-problem-how-to-improve-the-model)

Help with submission format because I receive a 0.0 score (https://discuss.analyticsvidhya.com/t/help-with-submission-format-because-i-receive-a-0-0-score)

Error while making prediction using a logistic regression model (https://discuss.analyticsvidhya.com/t/error-while-making-predicition-using-a-logistic-regression-model)

Gradient Boosting (https://discuss.analyticsvidhya.com/t/gradient-boosting)

I did not understand credit_history variable. Can any one help me with the explanation please? (https://discuss.analyticsvidhya.com/t/i-did-not-understand-credit-history-variable-can-any-one-help-me-with-the-explanation-please)

Practice Problem. Loan Prediction (https://discuss.analyticsvidhya.com/t/practice-problem-loan-prediction)

Loan Prediction III : Wanted to know about Final solution option (https://discuss.analyticsvidhya.com/t/loan-prediction-iii-wanted-know-about-final-solution-option)

Logistic regression in Loan Prediction (https://discuss.analyticsvidhya.com/t/logistic-regression-in-loan-prediction)

Steps after Imputation (https://discuss.analyticsvidhya.com/t/steps-after-imputation)

Logistic Regression not giving categorical output (https://discuss.analyticsvidhya.com/t/logistic-regression-not-giving-categorical-output)

Solution to Loan Prediction Problem (https://discuss.analyticsvidhya.com/t/solution-to-loan-prediction-problem)

How to impute missing values for a variable like Gender? (https://discuss.analyticsvidhya.com/t/how-to-impute-missing-values-for-a-variable-like-gender)

Comparing Models Performance (https://discuss.analyticsvidhya.com/t/comparing-models-performance)

How to impute categorical missing values? (https://discuss.analyticsvidhya.com/t/how-to-impute-categorical-missing-values)

Leaderboard scoring - clarification needed (https://discuss.analyticsvidhya.com/t/leaderboard-scoring-clarification-needed)

Can you access leaderboard for Loan prediction? (https://discuss.analyticsvidhya.com/t/can-you-access-leaderboard-for-loan-prediction)

What does the Error : factor Loan ID has new level mean (https://discuss.analyticsvidhya.com/t/what-does-the-error-factor-loan-id-has-new-level-mean)

AV Practice Problem Loan Prediction (https://discuss.analyticsvidhya.com/t/av-practice-problem-loan-prediction)

Join Slack Live Chat

ABOUT US

For those of you, who are wondering what is "Analytics Vidhya", "Analytics" can be defined as the science of extracting insights from raw data. The spectrum of analytics starts from capturing data and evolves into using insights / trends from this data to make informed decisions.

Latest Posts

3 Compelling reasons why you must compete in Data Hackathon 3.x
KUNAL JAIN

(https://www.analyticsvidhya.com/blog/2015/09/compelling-reasons-compete-data-hackathon/)

Learn to use Forward Selection Techniques for Ensemble Modeling
TAVISH SRIVASTAVA

(https://www.analyticsvidhya.com/blog/2015/09/selection-techniques-ensemble-modelling/)

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