  
Registered

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| **Starts at** | **Closes on** | **Mode** | **Fee** | **Participants** | **Prizes** |
| Thu May 26 2016 02:31:00 GMT+0800 (Singapore Standard Time) | Wed Jan 01 2020 02:29:00 GMT+0800 (Singapore Standard Time) | Online | Free | 49833 | Knowledge and Learning |

Contest ends in 100days: 16hours: 22minutes: 41seconds

Test

About Practice Problem: Loan Prediction III

Nothing ever becomes real till it is experienced.

*-John Keats*

While we don't know the context in which John Keats mentioned this, we are sure about its implication in data science. While you would have enjoyed and gained exposure to real world problems in this challenge, here is another opportunity to get your hand dirty with this practice problem powered by Analytics Vidhya.

This hackathon aims to provide a professional setup to showcase your skills and compete with their peers, learn new things and achieve a steep learning curve.

Data Science Resources

* **You can access the free course on Loan prediction practice problem using Python**[**here.**](https://trainings.analyticsvidhya.com/courses/course-v1:AnalyticsVidhya+LP101+2018_T1/about?utm_source=practice_problem_Loan_Prediction-III&utm_medium=Datahack)**It covers various analysis and modeling techniques related to this problem.**
* **Are you a beginner? If yes, you can check out our latest**[**'Intro to Data Science'**](https://trainings.analyticsvidhya.com/courses/course-v1:AnalyticsVidhya+DS101+2018T2/about?utm_source=practice_problem_Loan_Prediction-III&utm_medium=Datahack)**course to kickstart your journey in data science.**

Rules

* One person cannot participate with more than one user accounts.
* This is proprietary dataset, you can only use for this hackathon (Analytics Vidhya Datahack Platform) not for any other reuse
* 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.

Registration Fee

Free

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"