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Registered

Starts at	Closes on	Mode	Fee	Participants	Location	Prizes
Thu Aug 15 2019 00:00:00 GMT+0530 (India Standard Time)	Sat Aug 24 2019 12:00:00 GMT+0530 (India Standard Time)	Online	Free	2358	Online	100+ job openings with 20+ companies across various cities in India

Contest ends in 6days: 23hours: 30minutes: 36seconds

India ML Hiring Hackathon 2019

This year, India will be celebrating its 73rd Independence Day ! For us proud Indians, this a day to celebrate our past, enjoy the present and be optimistic about our country's bright future.

What else could be the best way to do this but to help build career of future data scientists of India ! and that is exactly what we will be doing this Independence Day.

On this year's Independence, Analytics Vidhya is proud to present the "India Machine Learning Hiring Hackathon- 2019" - India's Largest Hiring Hackathon where every data science aspirant and professional will get an opportunity to showcase their talent and get the chance to interview with top organizations for job roles in Data Science, Machine Learning & Analytics. Be it Bengaluru, Delhi NCR, Mumbai, Pune, Chennai or Hyderabad, here is a chance to perform and get placed with a top company at your preferred location.

Data Science is already helping solve various kinds of problems in India and power projects like - Smart India, power the agriculture industry, define and deploy policies to uplift the social strength, improve the healthcare, electricity & water services and much more. **Get ready to solve an exciting data science challenge this Independence week and become a part of India's Next-gen Data Science Ecosystem- Jai Hind !**

It's time to democratise data science and give more and more career opportunities to the data science community of India.

Why should you participate?

India Machine Learning Hiring Hackathon- 2019 is the ultimate opportunity for all analytics professionals to interview with top companies across India who are looking to hire the best talent for data science & machine learning roles. There are 100+ job openings with 20+ companies across various cities in India (including Bangalore, Pune, Delhi-NCR, Mumbai, Chennai, Hyderabad)

Who should participate?

Open for all data science professionals statisticians, data scientists, business analysts.

Prizes

100+ job openings with 20+ companies across various cities in India !

Position Name	Location	Experience Required	Skill set Required	No of openings
Data Scientist	Bangalore	2 - 4 Years	Predictive Modeling, Machine Learning, Python, R	20
Data Scientist	Chennai	4 - 7 Years	R/Python, and strong SQL skills, price optimization, propensity modelling.	9
Data Scientist	Bangalore	4-7 Years	R/Python, and strong SQL skills, price optimization, propensity modelling.	15
Digital Marketing Data Scientist	Bangalore	4 - 7 Years	Adobe Analytics, Tableau and/or Power BI, R, SAS, SPSS, Python, ARIMA	3
Machine Learning Engineer	Pune	6 - 8 and 2 - 4 Years	Proven experience as a Machine Learning Engineer or similar role. Understanding of data structures, data modeling and software architecture. Deep knowledge of math, probability, statistics and algorithms. Ability to write robust code in Python, Java and R. Familiarity with machine learning frameworks (like Keras or PyTorch) and libraries (like scikit-learn)	18
Senior Business Dashboard Developer	Gurgaon	5 + Years	Tableau - Mode - Sisense - Power BI	6
Senior Data Scientist	Gurgaon	5 + Years	Predictive modeling, Machine Learning, Python, NLP, and Logistic Industry	9
Junior Business Dashboard Developer	Gurgaon	2 - 3 Years	Tableau - Mode - Sisense - Power BI	9
Lead Data Scientist	Bangalore	6 - 10 Years	Clustering, Regression/Classification, Time Series Analysis, Network Analysis, Popular Deep Learning architectures,Map/Reduce, Hadoop, Hive, Spark,	3

Rules of Participation

1. The contest starts on Thursday, 15th August 2019, 00:00:00 (IST).The data set and the problem statement will be released at the same time.
2. Entries submitted after the contest is closed, will not be considered.
3. Only Individual participation is allowed in the hackathon
4. Use of external dataset is not allowed.
5. Participation is free-of-charge.
6. Throughout the hackathon, you are expected to respect fellow hackers and act with high integrity.
7. Slack Live Chat admins hold the right to block any participant found to use foul/disrespectful language.
8. Analytics Vidhya holds the right to disqualify any participant at any stage of the competition if the participant(s) are deemed to be acting fraudulently.
9. In case of any dispute over rankings and leaderboard, decision of Analytics Vidhya shall be final.
10. Interview shortlisting will be done by specific companies basis their own criteria (apart from leaderboard ranking)

Registration Fee

Free

Problem Statement

Loan Delinquency Prediction

Loan default prediction is one of the most critical and crucial problem faced by financial institutions and organizations as it has a noteworthy effect on the profitability of these institutions. In recent years, there is a tremendous increase in the volume of non – performing loans which results in a jeopardizing effect on the growth of these institutions.

Therefore, to maintain a healthy portfolio, the banks put stringent monitoring and evaluation measures in place to ensure timely repayment of loans by borrowers. Despite these measures, a major proportion of loans become delinquent. Delinquency occurs when a borrower misses a payment against his/her loan.

Given the information like mortgage details, borrowers related details and payment details, our objective is to identify the delinquency status of loans for the next month given the delinquency status for the previous 12 months (in number of months)

Data Description

train.zip

train.zip contains train.csv. **train.csv** contains the training data with details on loan as described in the last section

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Feedback



Data Dictionary

Variable	Description
loan_id	Unique loan ID
source	Loan origination channel
financial_institution	Name of the bank
interest_rate	Loan interest rate
unpaid_principal_bal	Loan unpaid principal balance
loan_term	Loan term (in days)
origination_date	Loan origination date (YYYY-MM-DD)
first_payment_date	First instalment payment date
loan_to_value	Loan to value ratio
number_of_borrowers	Number of borrowers
debt_to_income_ratio	Debt-to-income ratio
borrower_credit_score	Borrower credit score
loan_purpose	Loan purpose
insurance_percent	Loan Amount percent covered by insurance
co-borrower_credit_score	Co-borrower credit score
insurance_type	0 - Premium paid by borrower, 1 - Premium paid by Lender
m1 to m12	Month-wise loan performance (delinquency in months)
m13	target, loan delinquency status (0 = non deliquent, 1 = deliquent)

test.zip

test.zip contains test.csv which has details of all loans for which the participants are to submit the delinquency status - 0/1 (not probability)

sample_submission.zip

sample_submission.zip contains the submission format for the predictions against the test set. A single csv needs to be submitted as a solution.

Evaluation Metric

Submissions are evaluated on F1-Score between the predicted class and the observed target.

Public and Private Split

- Test data is further randomly divided into Public (40%) and Private (60%) data.
- Your initial responses will be checked and scored on the Public data.
 - The final rankings would be based on your private score which will be published once the competition is over.

Hackathon Rules

- Setting the final submission is mandatory. Without a final submission, the submission corresponding to best public score will be taken as final submission
- Use of external datasets is not allowed
- Use of loan_id variable as an input to the model is not allowed
- You can only make 15 submissions per day
- Code file is mandatory while setting final submission. For GUI based tools, please upload a zip file of snapshots of steps taken by you, else upload code file.
- The code file uploaded should be pertaining to your final submission.
- No submission will be accepted after the contest deadline

How to Make a Submission?



How to Set the Final Submission?



Data

📄Test File (/contest/india-ml-hiring-hackathon-2019/download/test-file)

📄Train File (/contest/india-ml-hiring-hackathon-2019/download/train-file)

📄Sample Submissions (/contest/india-ml-hiring-hackathon-2019/download/sample-submission)

Solution Checker

Code File

Choose File

No file chosen

Solution File*
(.zip, .csv only)

Choose File

No file chosen

Solution Description
(max : 180 chars)*

Solution Description (for your interest)

Add Solution

You have made 0 submissions out of 15 allowed submissions for the day.



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