

## BCCL DATA SERVICES

**BCCL Data Services** is a global organization with more than 10,000 clients and 20,000 associates worldwide and takes pride in its mission to enable clients to achieve best-in-class results. The company is highly regarded for its financial services technology and services innovation, including award-winning solutions for mobile and online banking, payments, risk management, data analytics and core account processing.

BCCL Data Services is helping its clients to push the boundaries of what's possible in financial services, delivering deep expertise and innovative solutions to help financial institutions, businesses and consumers move and manage money faster and with greater ease than ever before.

Allahabad Bank 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.

Allahabad bank wants to understand the usability of the customer details it has collected using online / offline application form. Hence, they need to automate the loan eligibility process (real time) based on customer detail provided to them. Allahabad Bank signs a project with BCCL Data Services in order to make their customer details more informative and identify the customer segments, those are eligible for loan amount so that they can specifically target these customers. Allahabad Bank will share all the customer details in a comma separated file (csv) with BCCL Data Services which will then be analysed.

You are a senior data analyst from BCCL Data Services and are assigned the task to analyse the submitted data by Allahabad Bank. **Write an algorithm using the train and test data set and provide a data that should generate a prediction csv file.**

**DATA FILES (3 files)**- Download All Files ([https://www.techgig.com/files/contest\\_upload\\_files/81021/sample\\_data\\_set\\_81021.zip](https://www.techgig.com/files/contest_upload_files/81021/sample_data_set_81021.zip))

File Name	Description	Format	Size
test_data.csv	the test data set	.csv	25.8 (kb) ( <a href="https://www.techgig.com/files/contest_upload_files/81021/test_data.csv">https://www.techgig.com/files/contest_upload_files/81021/test_data.csv</a> )
train_data.csv	the training data set	.csv	5.1 (kb) ( <a href="https://www.techgig.com/files/contest_upload_files/81021/train_data.csv">https://www.techgig.com/files/contest_upload_files/81021/train_data.csv</a> )
train_prediction.csv	a prediction data set consist of loan status for train data set	.csv	0.49(kb) ( <a href="https://www.techgig.com/files/contest_upload_files/81021/train_prediction.csv">https://www.techgig.com/files/contest_upload_files/81021/train_prediction.csv</a> )

test\_data.csv and test\_data.csv file contain the following data of customer

1. loan\_id - Unique Loan ID
2. gender - Male/ Female
3. marital\_status - Applicant married (Yes/No)
4. dependents - Number of dependents
5. qualification - Applicant Education (Graduate/ Under Graduate)
6. is\_self\_employed - Self employed (Yes/No)
7. applicant\_income - Applicant income
8. co\_applicant\_income - Co-applicant income
9. loan\_amount - Loan amount in thousands
10. loan\_amount\_term - Term of loan in months
11. credit\_history - credit history meets guidelines
12. property\_area - Urban/ Semi Urban/ Rural

Your prediction csv file should contain the following information:

1. loan\_id - Unique Loan ID
2. status - Loan approved (Y/N)

### EVALUATION CRITERIA

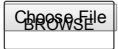
Score is calculated with the following formula:

**Score = Number of correct predictions / Total records\*100**

**GUIDELINES**

1. You must upload your train\_prediction.csv in the format given in problem statement. In addition to your output, you will also have to submit your source and other files in .zip or .tar compressed archive.
2. You can use any tools or libraries for building your solution. There is no restriction on the tools that you can use.
3. You have unlimited number of attempts to make submission. But only your last submission will be considered for evaluation.
4. Privately sharing code or data outside of your team is not permitted. It's okay to share code if made available to all participants on the forums.

ANSWER - Please upload your file here



No file chosen

SUBMIT ANSWER