# Questions and Answers

1. **Why companies need to predict creditcard approval?**

An accurate predictive model can help the company identify customers who might default their payment in the future so that the company can reject such applications and reduce loss. The

risk can be business loss by not approving the good candidate or can be financial loss by approving the candidate who is at bad risk. This predictive model can be used to assess if an application can be approved or not in real-time.

1. **Can this project be used for creditcard default prediction?**

Credit card default prediction is similar to credit card approval prediction. The approach is similar since both are dealing with financial data and both are binary classification problems.

1. **What is your data source?**

I used dataset from UCI data repository. You can find the codebook at below link:

[**http://archive.ics.uci.edu/ml/machine-learning-databases/credit-screening/crx.names**](http://archive.ics.uci.edu/ml/machine-learning-databases/credit-screening/crx.names)

1. **What can you do to improve the accuracy of the model further?**

We should further tune the Neural network model. Or will have to try k-nearest neighbors or other binary classification algorithms.

1. **Why you only chose the dataset with limited observations?**

I looked for better datasets in Kaggle, data.world etc., but I found this dataset from UCI repository a better fit because it has more number of features and the number of records with credit card approved/denied are almost equal.

1. **Why did you remove features like Zipcode, driverlicense features from the dataset before modeling?**

The correlation is too low for these features against the target variable. Models perform well when the number of features are less, hence I removed them as part of Feature Selection.

1. **What else can be done to predict credit card approval?**

I initially thought of calculating Risk score for each applicant to determine the approval/denial. If you can calculate risk score then it can also be used for predicting whether the cardmember can default or not.

1. **Did you miss anything that you wanted to add to the project.**

I wanted to add visualization of accuracy for Logistic regression model for different parameters. I didn’t have enough time to do that.

1. **Is there a github link for the project?**

Yes, it is given below:

[**https://github.com/sathishmanthani/predict-creditcard-approval**](https://github.com/sathishmanthani/predict-creditcard-approval)