**Overview**:

The purpose of this analysis is to create a tool that can help select applicants with the best chance of success to fund their projects. In this analysis I use the features in the provided dataset to create a classifier that can predict success or failure.

**Results :**

* Target Variable: The target variable for this study was a variable called “IS\_SCUCCESSFUL” which had binary values (1 for success).
* Feature Variables: The feature variables in this study were called APPLICATION\_TYPE, AFFILIATION, CLASSIFICATION, USE\_CASE, ORGANIZATION, STATUS, INCOME\_AMT, SPECIAL\_CONSIDERATIONS, and ASK\_AMT.
* Cleaned Variables: The two variables EIN and NAME were cleaned out of this model because they did not directly contribute to the model.

**Evaluating the Model :**

* We used 75 and 30 neurons to map the input variables from the training set. The model is 3 layers deep with the activation function being sigmoid for binary regression.
* I was not able to get it to run on google colabs initially.

**Summary:**

The result of the model