Data Preprocessing

- Our target variable was the is_successful column.

- The features in our model were: APPLICATION TYPE, AFFILIATION, CLASSIFICATION, USE CASE, ORGANIZATION, STATUS, INCOME AMT, SPECIAL CONSIDERATIONS, ASK AMT.

- The variables that should be removed are EIN and Name.

Compiling, Training, and Evaluating the Model

- There were 3 layers for the model applying neural network model. The reason I added 3 was because the more layers the better the accuracy becomes.

- I was not able to achieve the target model of 75%, I only got 72.99% accuracy.

- Steps I took to increase model performance were adding more layers, adjusting the nodes, and changing the activation functions.

Summary

- The overall results of this model were a 72.99% accuracy. Meaning that the model could accurately predict a venture's success almost 73% of the time. I think another model that could solve this problem would be a logistic regression model.