**Deep Learning Challenge Report**

**Module 21**

Overview:

This analysis was performed to learn how to improve and use a deep learning model more efficiently.

Results:

Data Preprocessing

-The target variable was the data in the ‘IS\_SUCCESFUL’ column.

-The features in the model are every column that is not the ‘IS\_SUCCESSFUL’ column.

-The variables that should be removed are the ‘NAME’ and ‘EIN’ columns.

Compiling, Training, and Evaluating the Model

-4 total layers, neurons were 128, 64, 32, and 1.

-Target model performance was not achieved.

-I added an extra layer to try to increase model performance.

Summary:

To improve the model, I could add more layers and determine what the best number of neurons I should be using. Overall, the model was 0.7257% accurate.