

Data Preprocessing

- **Target Variable** – The 'IS_SUCCESSFUL' column was used as the target variable
- **Feature Variables** – 'APPLICATION_TYPE', 'AFFILIATION', 'CLASSIFICATION', 'USE_CASE', 'ORGANIZATION', 'STATUS', 'INCOME_AMT', 'SPECIAL_CONSIDERATIONS', 'ASK_AMT', 'IS_SUCCESSFUL' were used as the feature variables
- **Removed Variables** – 'EIN' and 'Name' were removed as they are solely identifiers

Compiling, Training, and Evaluating the Model

- The best accuracy of 0.7324 came with four neural layers

layer	activation	neurons
1	tanh	3
2	tanh	8
3	sigmoid	5

- The target model performance of 0.75 was not achieved the best result after 50 iterations was 0.7324
- A number of attempts were made to change activation types, the number of neurons in the layer and the number of layers