# Overview

The purpose of this analysis is to evaluate the neural networks used to select applicants that would be successful using the funding from the charity.

# Results

* Data Preprocessing
  + The target variable is the IS\_SUCCESSFUL column.
  + The feature variables are the APPLICATION\_TYPE, AFFILIATION, CLASSIFICATION, USE\_CASE, ORGANIZATION, STATUS, INCOME\_AMT, SPECIAL\_CONSIDERATION, and ASK\_AMT columns.
  + The EIN and NAME variables should be removed.
* Compiling, Training, and Evaluating the Model
  + I used one 16 neuron layer, one 7 neuron layer, one 14 neuron layers, and two 21 neuron layers.
  + I was unable to achieve 75% accuracy.
  + I added more layers, changed their activation, and changed the optimizer used when compiling.

# Summary

The overall results were that this model failed to meet the required performance standards. A different model could add more layers and/or neurons to increase performance.