Overview of my analysis: To explain what I’ve accomplished and what I tried to do in a detailed yet concise manner

Data Preprocessing:

* “What variables are the targets for your model”: IS\_SUCCESSFUL
* “What variables are the features for your model”: APPLICATION\_TYPE, AFFILIATION, USE\_CASE,ORGANIZATION, STATUS
* “What variable(s) should be removed from the input data because they are neither targets nor features?” EIN AND NAME

Compiling, Training, and Evaluating the Model

* “How many neurons, layers, and activation functions did you select for your neural network model, and why?”: two layers using relu with the first being 10 and the second being 5, I used these as a baseline for the most part and they were multiples of 5’s and I like testing using multiples of 5 to help narrow things down easier.
* “Were you able to achieve the target model performance?” : In the end I was unable to, however my steps for optimization will be shown in the following question.
* “What steps did you take in your attempts to increase model performance?”: I had three layers during optimization with the first layer being 16 and the next 2 being 32, I noticed that these numbers produced some results with 74% accuracy but the total accuracy stayed at 73%, the optimization file holds my last attempt which could only get 73 best unfortunately.

Summary

I believe that my methods were likely to blame here.. I was more so going through a process of trial and error perhaps the model isn’t the issue but the method may have been. In the future I may aim to refine my technique in terms of determining layer amounts and their sizes to help try to paint a more accurate picture.