For this part of the assignment, you’ll write a report on the performance of the deep learning model you created for Alphabet Soup.

The report should contain the following:

1. **Overview** of the analysis: Explain the purpose of this analysis.

The analysis conducted was to show

1. **Results**: Using bulleted lists and images to support your answers, address the following questions:

* Data Preprocessing
  + What variable(s) are the target(s) for your model?
    - Is\_successful because ultimately we wanted to see what would give us a true success feature.
  + What variable(s) are the features for your model?
    - Application type and classification were the ones use, however I believe all of the remaining factors that wasn’t the target and those removed would help structure the model .
  + What variable(s) should be removed from the input data because they are neither targets nor features?
    - EIN and Name were removed to ensure no bias on identifiable information. The model should be based on the remaining factors.
* Compiling, Training, and Evaluating the Model
  + How many neurons, layers, and activation functions did you select for your neural network model, and why?
  + I used two hidden layers set to 8 and 5, ultimately, I found that these values resulted in the highest level of accuracy despite not reaching the 75% threshold. I
  + used the relu activation for the two hidden layers and sigmoid for the output layer.
  + Were you able to achieve the target model performance?
  + I was not able to achieve the 75% threshold.
  + What steps did you take in your attempts to increase model performance?
  + I modified the value of the neurons multiple times in attempt to obtain better results.

1. **Summary**: Summarize the overall results of the deep learning model. Include a recommendation for how a different model could solve this classification problem, and then explain your recommendation.

Overall the output of the original model resulted in a 72% accuracy. After changing some of the “” factors in order to increase the accuracy over 75%, I was still unsuccessful in achieving the desired output. Because there wasn’t a major difference in the hidden layer values, my recommendation would be to add more than two hidden node layers in hope of increasing the accuracy.