

1. Purpose
 - a. The purpose of this analysis is to find a non-linear relationship in this dataset.
Finding a non-linear relationship with help in the process of finding the variables that affect whether a campaign is going to be a success or not.
2. Results
 - a. Data Processing
 - i. The target is the column "IS_SUCCESSFUL"
 - ii. The variables are NAME, APPLICATION_TYPE, AFFILIATION, CLASSIFICATION, USE_CASE, ORGANIZATION, INCOME_AMT, ASK_AMT
 - iii. The variables that I removed are EIN and SPECIAL_CONSIDERATIONS
 - b. Compiling, Training, and Evaluating the Model
 - i. I selected 3 layers
 - ii. 100 neurons for layer 1, 90 for layer 2, and 80 for layer 3
 - iii. I was not able to get to the desired 75%
 - iv. I ended up grouping by name to help, but it wasn't enough to get to 75%
3. Summary
 - a. In summation, I was tasked with finding a non-linear relationship in the dataset. I then grouped certain columns to make finding the relationship easier. I ended up including NAME to assist as well. Afterwards, I created 3 layers for the neural network and assigned the neurons and type.