

Overview

- The purpose of this analysis is to predict if a fundraising campaign would be successful

Results

- Data Preprocessing
 - Target: IS_SUCCESSFUL
 - Features: APPLICATION_TYPE, AFFILIATION, CLASSIFICATION, USE_CASE, ORGANIZATION, STATUS, INCOME_AMT, SPECIAL_CONSIDERATIONS, ASK_AMT
 - Columns not used: EIN, NAME
- Compiling, Training, and Evaluating the Model
 - The original model used 2 hidden layers and got an overall accuracy of 72.86%.
 - The optimized model used 5 hidden layers and despite hitting 75% in training, still only managed a overall accuracy of 72.94%
 - I increase the model i tried increasing the number of layers, neurons, and even the keras_tuner

Summary

- The target accuracy of 75% wasn't reached in the optimized model, and using keras_tuner also failed to meet the requirement