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11/1/23

Report on the Neural Network Model

1. The purpose of the charity funding analysis for Alphabet Soup was to predict where the company would approve/make investments. Our goal was to use machine learning and neural networks to apply target/features on the dataset, create a binary classifier that was capable of predicting whether investors would be successful if funded by Alphabet Soup. We started with 34,000 organizations and 12 columns that captured the metadata about each organization and their past funding outcomes.
2. IS_Successful is the target that is marked 1 for successful. The latter indicates that the company's past funding was successful.
IS_Successful is the feature column chosen data for the model
EIN and Name should be removed from the input data because they are neither targets or features.
3. Total Params: 3,298. Trainable Params: 3298. Non-trainable params: 0
The accuracy was 78%

Summary: 78% was a good target accuracy to hit. However multiple layers should be used for deep learning models since it learns how to predict and classify information based on computer filtering inputs through layers.