Neural Network Model

**Overview** of the analysis: the purpose of this analysis is to determinate the Charity applicants were successful or not.

In first model I used 2 hidden layers, neurons were 20 for layer 1, and 30 for layer 2, 100 epochs. The results show an Accuracy of 0,7149, with a loss of 0,557.

Second model used 2 hidden layers, I increase the number of neurons for both layers to 30 and 50, epochs 150, and the results are pretty the same accuracy 0,7149, loss 0,557.

For the last attempt I increase the number of neurons in the second layer to 90, and epochs to 100results are getting worse to an accuracy of 0,609, and losses to 0, 758.

To conclude, all the attempt I tried for increasing the accuracy fail, couldn’t reach 75%, probably if I increase the no of epochs maybe the accuracy will reach 75%, in my opinion the model can achieve 75%.