Conclusion

The neural network was built to predict domestic box office weekend results. The input variables are from the data which is available before a movie’s opening weekend has begun which include: production budget, opening theaters, amount of YouTube trailer views, and Rotten Tomatoes critic scores. The neural network was then made using Python and various libraries imported into the program. Using gathered data, the neural network was trained and tested. Then the best accuracy was determined using grid search.

[CORRELATION BETWEEN DATA]. The accuracy of the neural network could be increased by adding data from films before 2016. The correlation between [SOMETHING] and a movie’s domestic opening weekend box office outcome proves that [SOMETHING] is important for a movie in becoming successful for it’s opening weekend, which is the peak time period for a movie’s income.

[ERROR STUFF]