Danik Lafrance, Evan Duffy

Carleton Bootcamp

Project 4

January 4, 2024

Project Proposal: Machine Learning for Hockey Predictions

For this project, Danik and I are looking into the NHL, and creating a predictive model that will look to predict how many points a player with a certain amount of ice time per game on average should be able to score. You can think of ice time as the opportunity time that a player would be able to score points. We will be using a list of 15 features in order to predict points.

Our guiding question we want to answer is the following:

Can we create a Neural Network model that can achieve this?

We will be creating a dataset based off of 5 years of data from NHL players, and using those players to create players who have x amount of ice time per game. X in this case is the minute of ice time ranging typically from 0-30 minutes.

We will be discussing our front end at a later date.