~~Cross-binary entropy~~

optimizer = Sgd Loss = ME Learning rate .01

This code lacks several line of code that I cannot recall correctly. This code creates a function called Euclean_distance, which inputs 4 important variables from the provided data. These are dropoff_latitude, Pickup_latitude, dropoff_longitude, and pickup_longitude. The function subtracts the latitude related values from eachother while also applying an exponent of 2 too each outcome. It then adds the outcome and squares the final output. This gives us a 'distance' variable that we can now use to predict the targeted y value of fare_amount. We then begin to create the deep learning model structure this is done by adding two hidden layer models and an outcome model. I think Stanchastic Gradient Descent will provide the best results with this data. We will use this as our optimizer function. We will also use tanh

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Code 2

Import pandas as pd

Import models from keras

pd.read.df('NYC_taxi_fares.csv)

Print df(is.null)

drop df.isnull values

def euc_distance(lat1, long1, lat2, long2):

return ((lat1-lat2)**2 + (long1-long2**2) ** 5)

df['distance'] = euc_distance(df['pickup_latitude'], df['Pickup_longitude'], df['drop off_latitude'], df[drop off_longitude])

X_data = df['distance'] df[drop off_longitude] df[dropoff_latitude] df[pickup_longitude] df[Pickup_latitude]

Y_data = df['fare_amount']

→ Split train and test data

add models.dense layer 16 ('relu')

add models.dense layer 8 ('relu')

add models.dense layer 1 ('Sigmoid')

optimizer = Sgd Loss = Mean Squared Learning rate = .1

This code is the same except we added additional features to the X data we also increased the nodes in the hidden layer