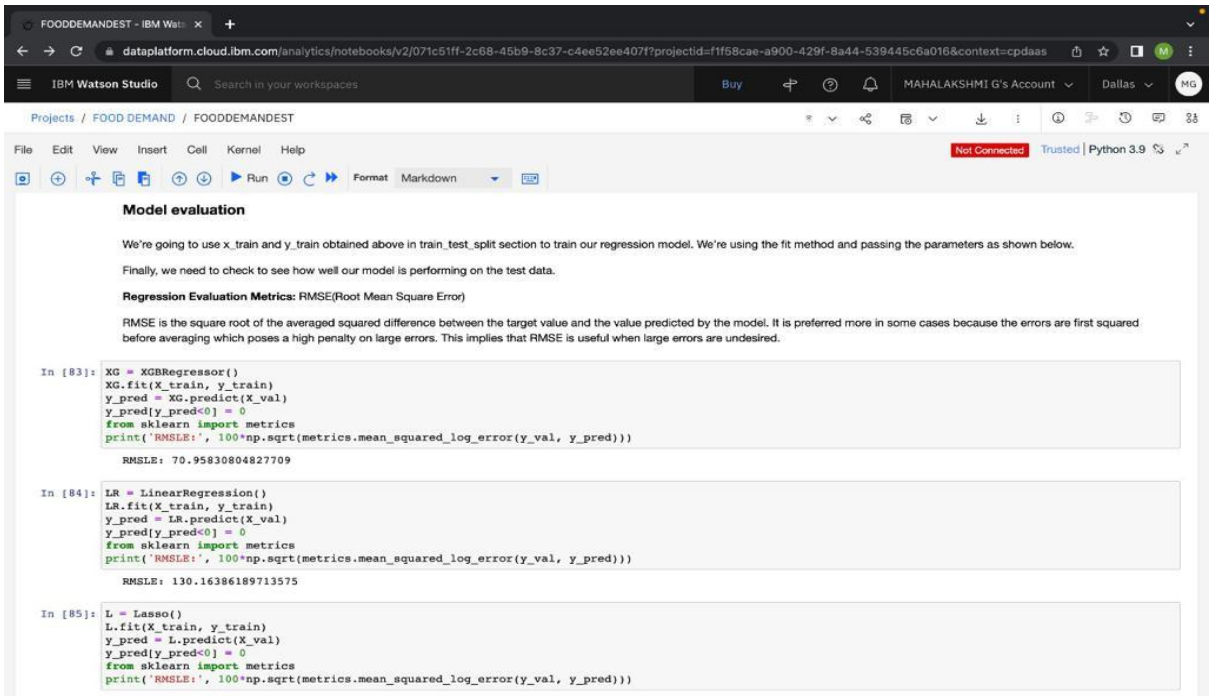
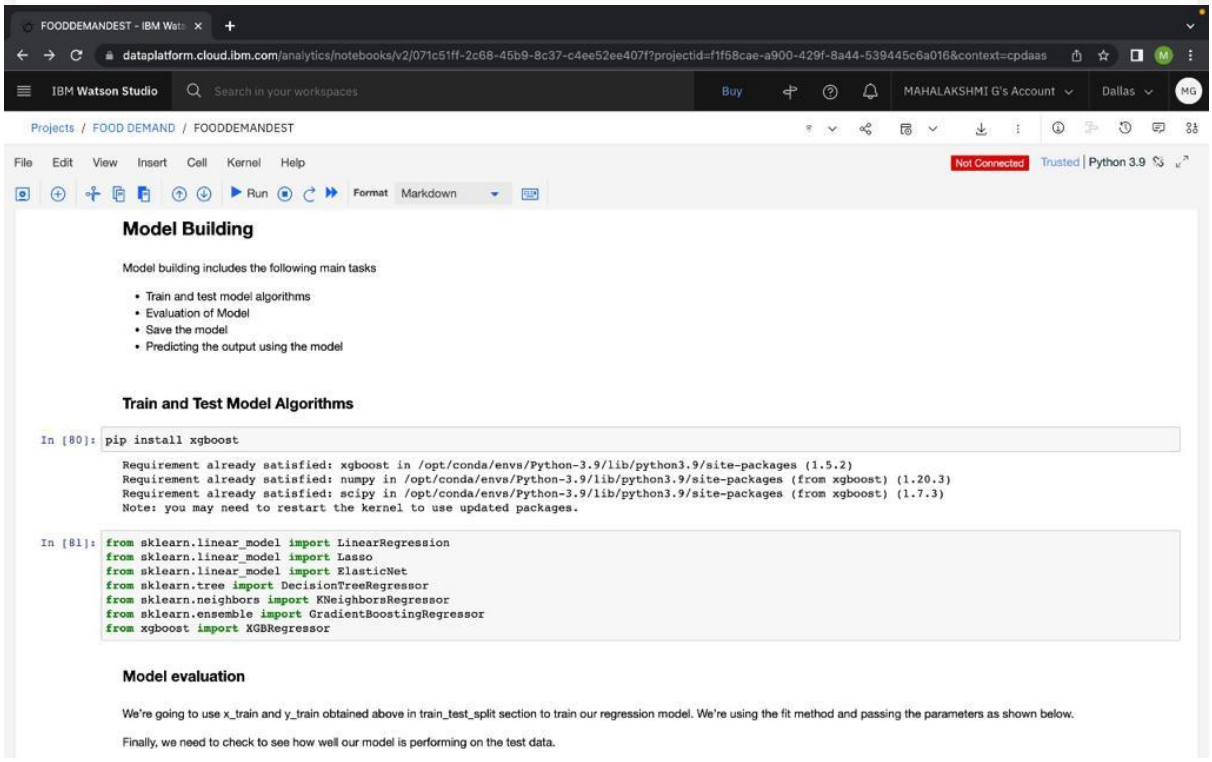
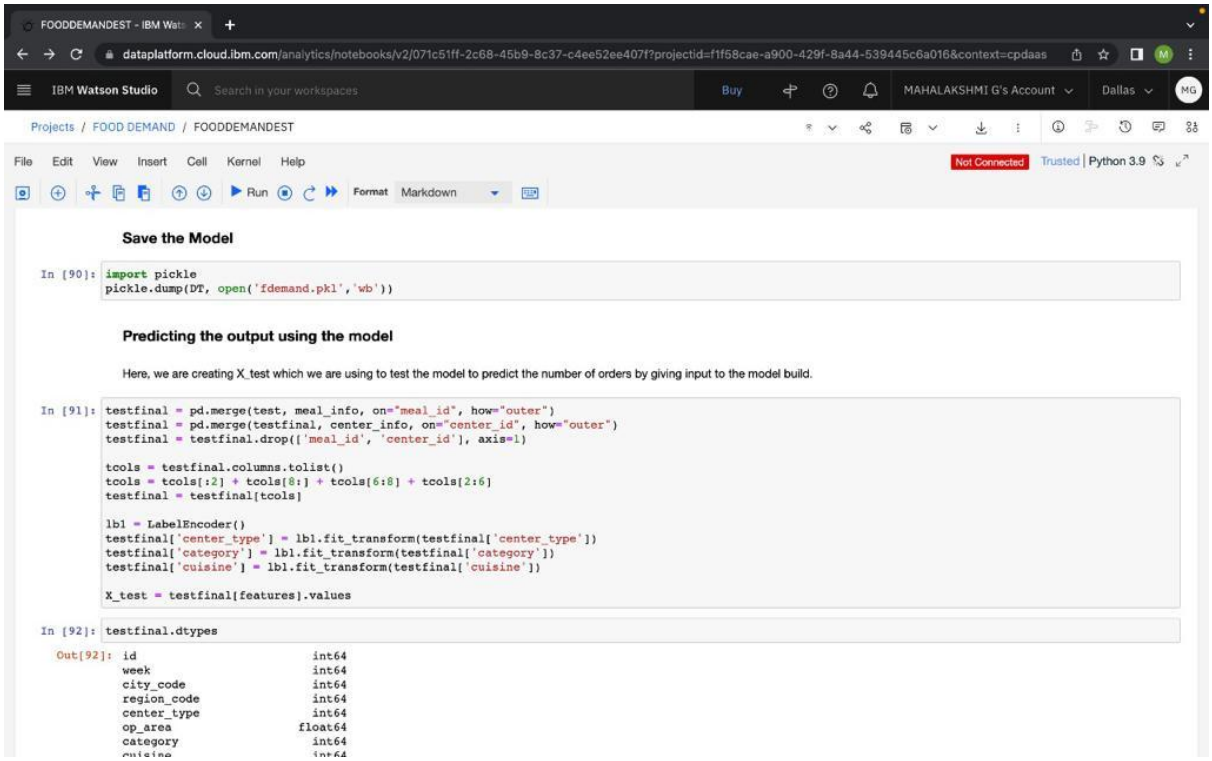
TEAM ID: PNT2022TMID15280



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File Edit View Insert Cell Kernel Help
Not Connected
Trusted | Python 3.9
Run
Format Markdown
Save the Model
In [90]:
import pickle
pickle.dump(DT, open('fdemand.pkl','wb'))
Predicting the output using the model
Here, we are creating X_test which we are using to test the model to predict the number of orders by giving input to the model build.
In [91]:
testfinal = pd.merge(test, meal_info, on="meal_id", how="outer")
testfinal = pd.merge(testfinal, center_info, on="center_id", how="outer")
testfinal = testfinal.drop(['meal_id', 'center_id'], axis=1)
tcols = testfinal.columns.tolist()
tcols = tcols[:2] + tcols[8:] + tcols[6:8] + tcols[2:6]
testfinal = testfinal[tcols]
lbl = LabelEncoder()
testfinal['center_type'] = lbl.fit_transform(testfinal['center_type'])
testfinal['category'] = lbl.fit_transform(testfinal['category'])
testfinal['cuisine'] = lbl.fit_transform(testfinal['cuisine'])
X_test = testfinal[features].values
In [92]:
testfinal.dtypes
Out[92]:
id int64
week int64
city_code int64
region_code int64
center_type int64
op_area float64
category int64
cuisine int64