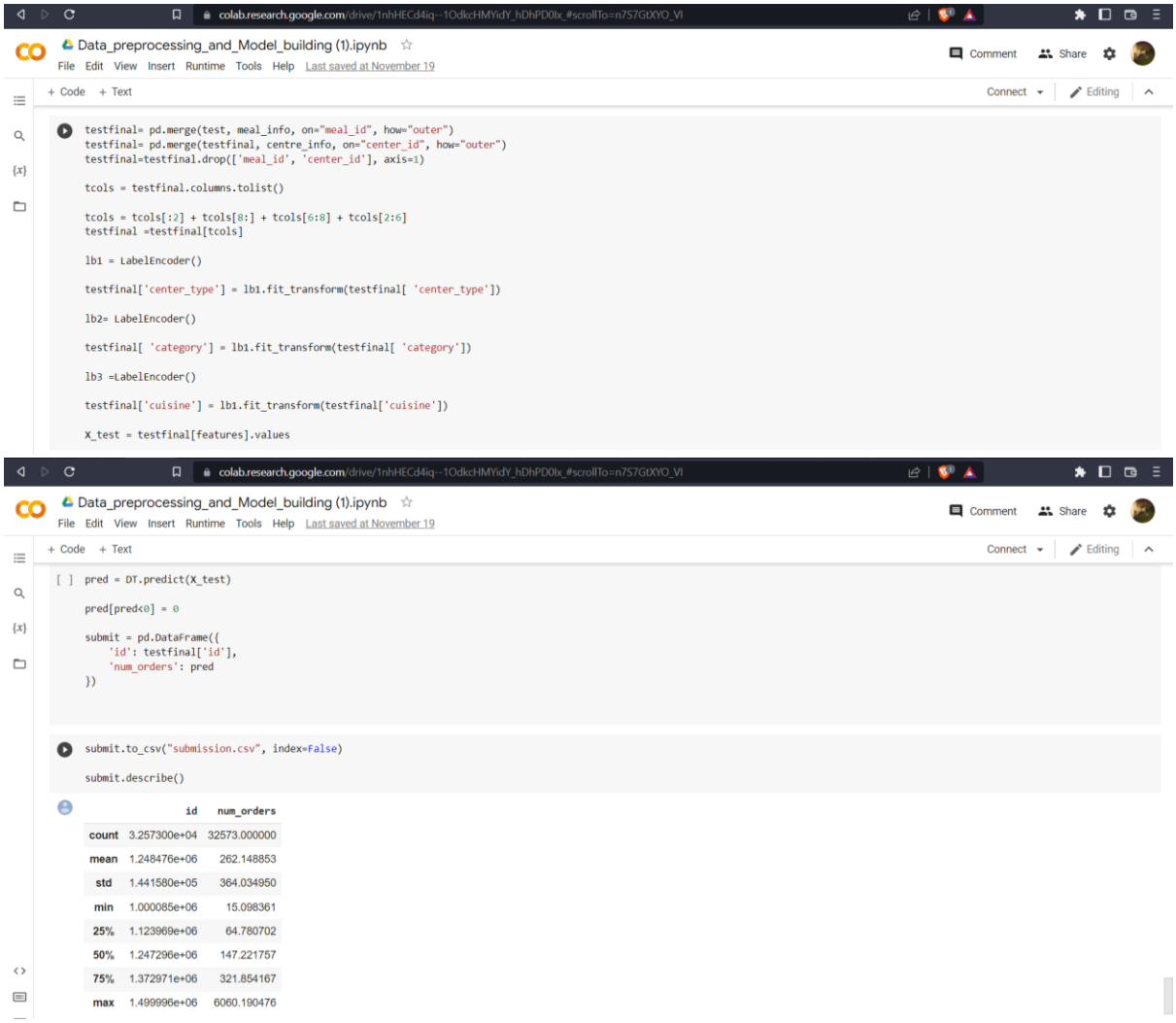
Team ID: PNT2022TMID23576

PROJECT NAME: DemandEst - AI powered Food Demand Forecaster

Team Leader



Data_preprocessing_and_Model_building (1).ipynb

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+ Code + Text

```
testfinal= pd.merge(test, meal_info, on="meal_id", how="outer")
testfinal= pd.merge(testfinal, centre_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]

lb1 = LabelEncoder()

testfinal['center_type'] = lb1.fit_transform(testfinal[ 'center_type'])

lb2= LabelEncoder()

testfinal[ 'category'] = lb1.fit_transform(testfinal[ 'category'])

lb3 =LabelEncoder()

testfinal['cuisine'] = lb1.fit_transform(testfinal['cuisine'])

X_test = testfinal[features].values
```


Data_preprocessing_and_Model_building (1).ipynb

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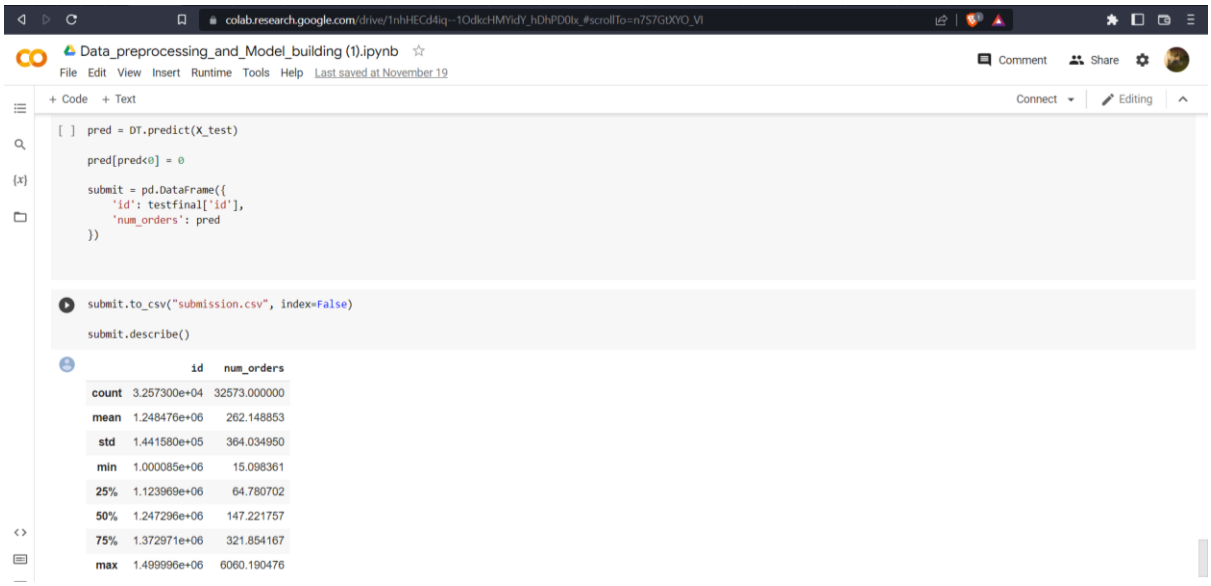
```
[ ] pred = DT.predict(X_test)

    pred[pred<0] = 0

    submit = pd.DataFrame({
        'id': testfinal['id'],
        'num_orders': pred
    })
```

```
submit.to_csv("submission.csv", index=False)

submit.describe()
```

	id	num_orders
count	3.257300e+04	32573.000000
mean	1.248476e+06	262.148853
std	1.441580e+05	364.034950
min	1.000085e+06	15.098361
25%	1.123969e+06	64.780702
50%	1.247296e+06	147.221757
75%	1.372971e+06	321.854167
max	1.499996e+06	6060.190476

Team Member 1



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Team Member 2

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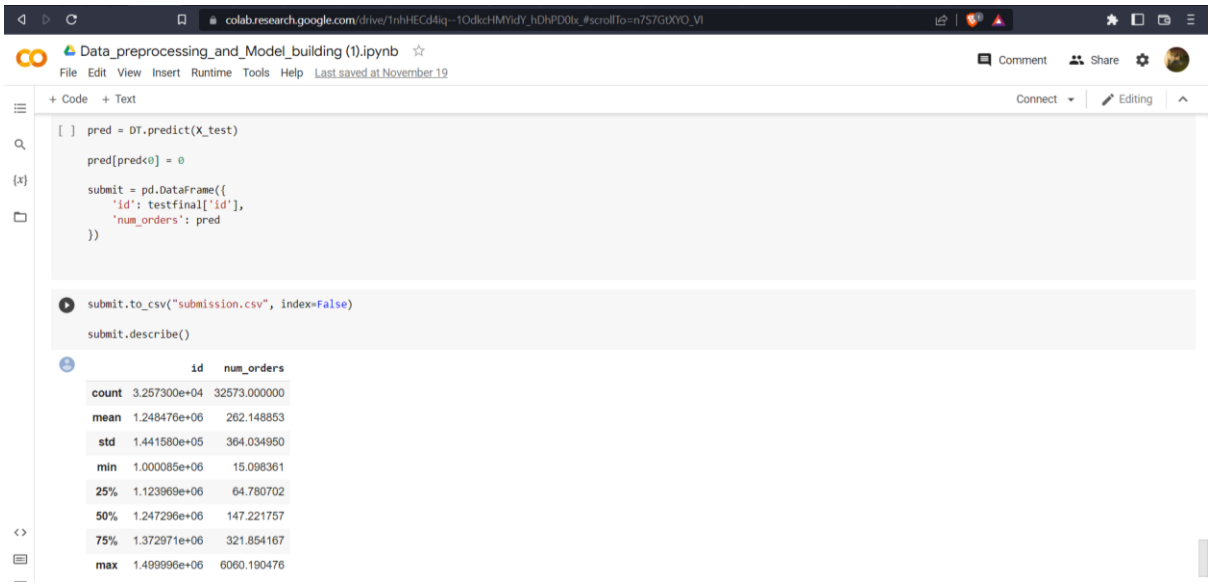

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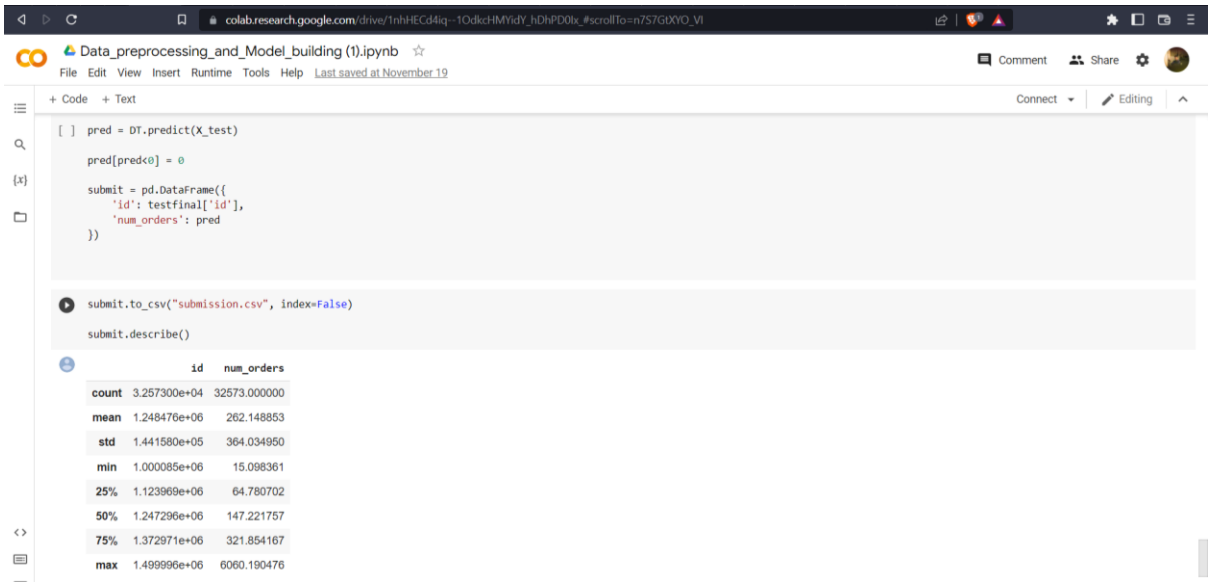
Team Member 3



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