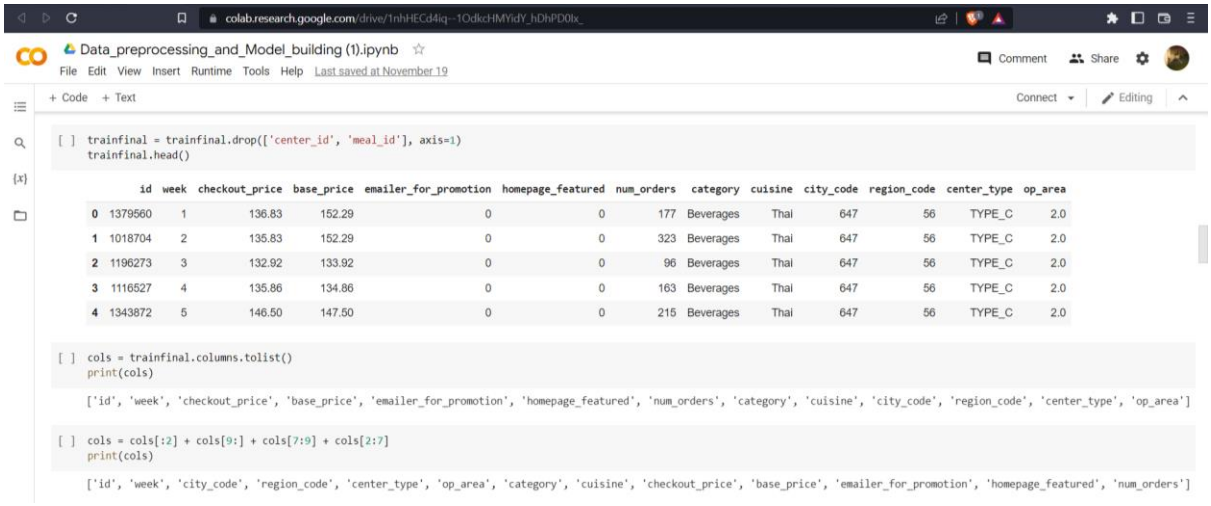
Team ID: PNT2022TMID23576

PROJECT NAME: DemandEst - AI powered Food Demand Forecaster

Team Leader



Data_preprocessing_and_Model_building (1).ipynb

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```
[ ] trainfinal = trainfinal.drop(['center_id', 'meal_id'], axis=1)
    trainfinal.head()
```

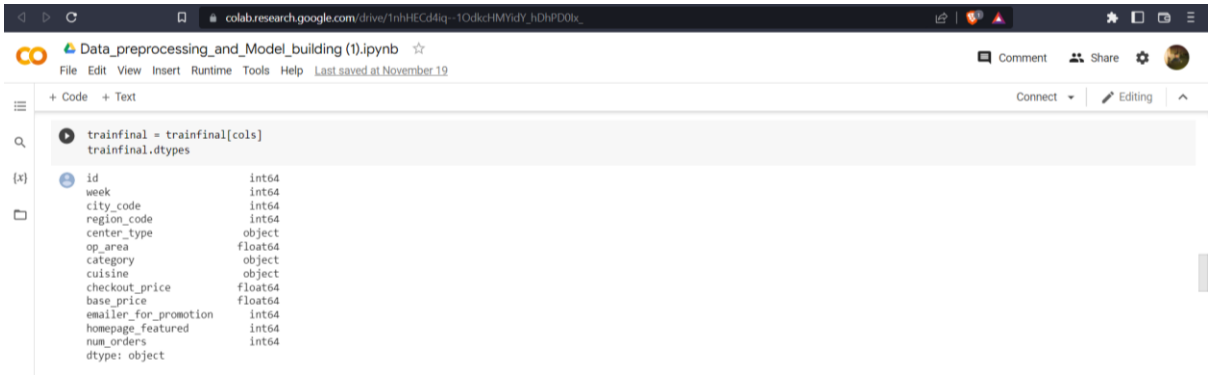
	id	week	checkout_price	base_price	emailer_for_promotion	homepage_featured	num_orders	category	cuisine	city_code	region_code	center_type	op_area
0	1379560	1	136.83	152.29	0	0	177	Beverages	Thai	647	56	TYPE_C	2.0
1	1018704	2	135.83	152.29	0	0	323	Beverages	Thai	647	56	TYPE_C	2.0
2	1196273	3	132.92	133.92	0	0	96	Beverages	Thai	647	56	TYPE_C	2.0
3	1116527	4	135.86	134.86	0	0	163	Beverages	Thai	647	56	TYPE_C	2.0
4	1343872	5	146.50	147.50	0	0	215	Beverages	Thai	647	56	TYPE_C	2.0

```
[ ] cols = trainfinal.columns.tolist()
    print(cols)

['id', 'week', 'checkout_price', 'base_price', 'emailer_for_promotion', 'homepage_featured', 'num_orders', 'category', 'cuisine', 'city_code', 'region_code', 'center_type', 'op_area']

[ ] cols = cols[:2] + cols[9:] + cols[7:9] + cols[2:7]
    print(cols)

['id', 'week', 'city_code', 'region_code', 'center_type', 'op_area', 'category', 'cuisine', 'checkout_price', 'base_price', 'emailer_for_promotion', 'homepage_featured', 'num_orders']
```



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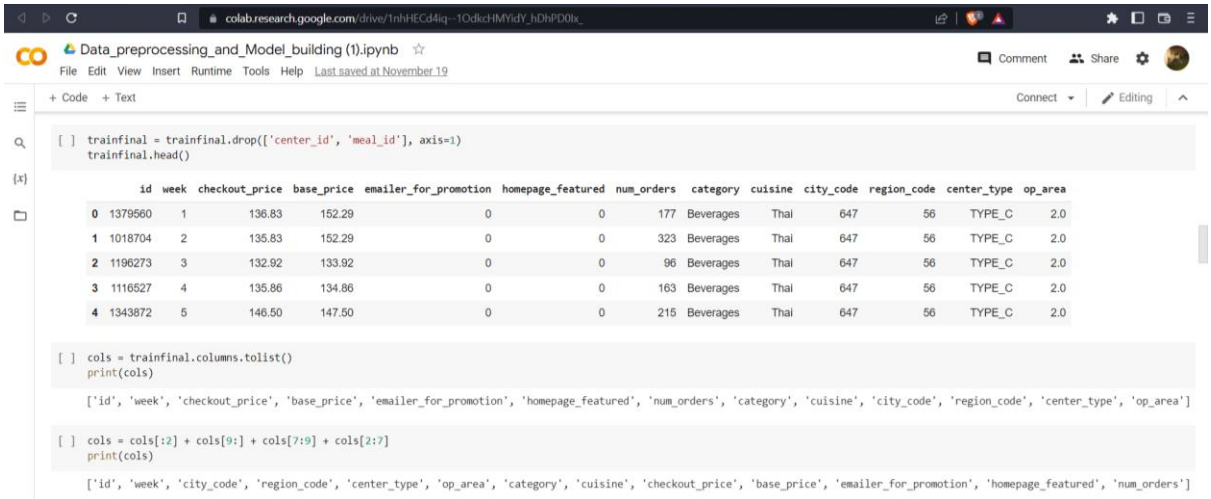
```
trainfinal = trainfinal[cols]
trainfinal.dtypes
```

```
id                        int64
week                      int64
city_code                 int64
region_code               int64
center_type              object
op_area                 float64
category                 object
cuisine                  object
checkout_price          float64
base_price              float64
emailer_for_promotion     int64
homepage_featured         int64
num_orders                int64
dtype: object
```

Team Member 1



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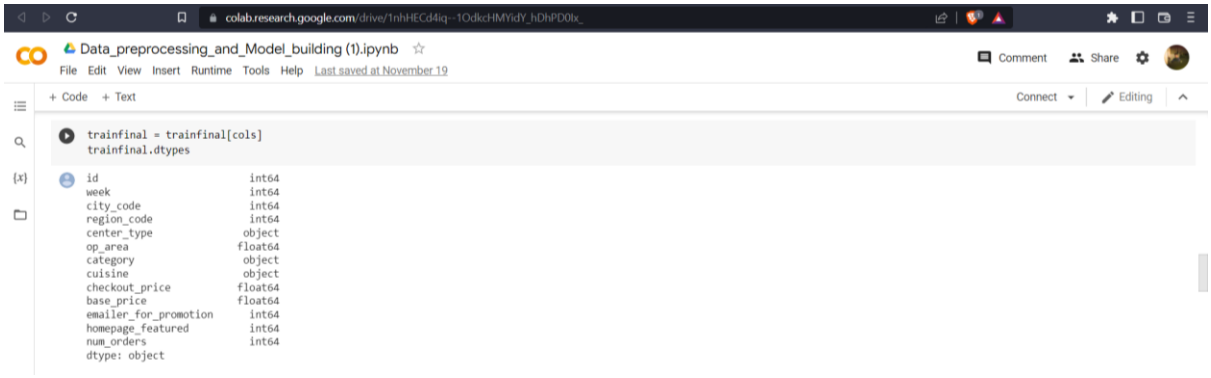
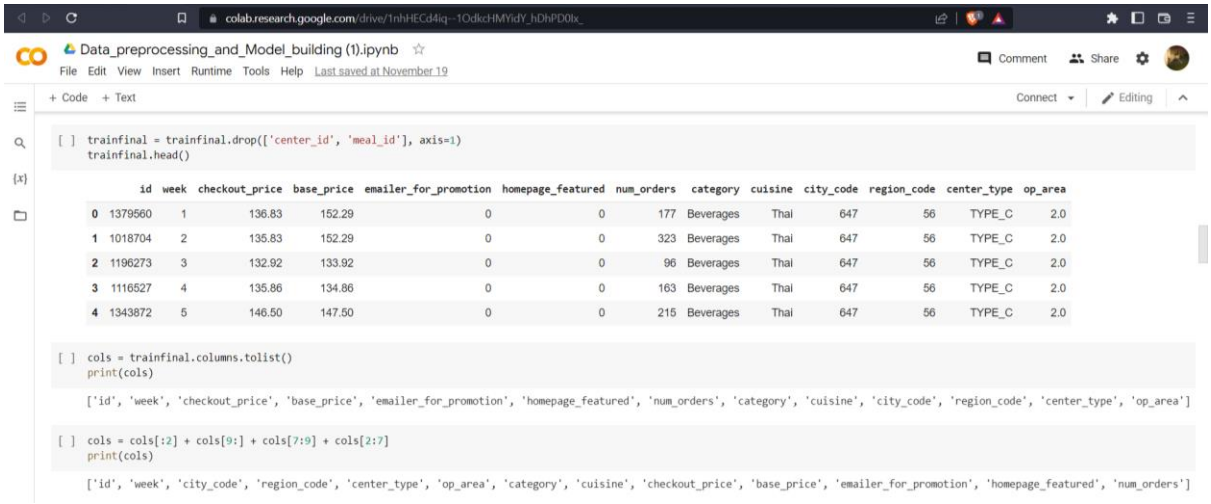
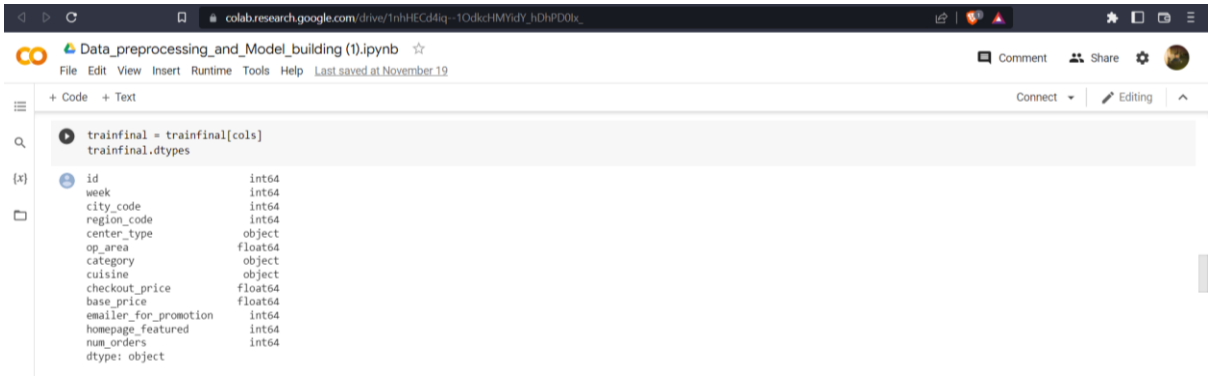
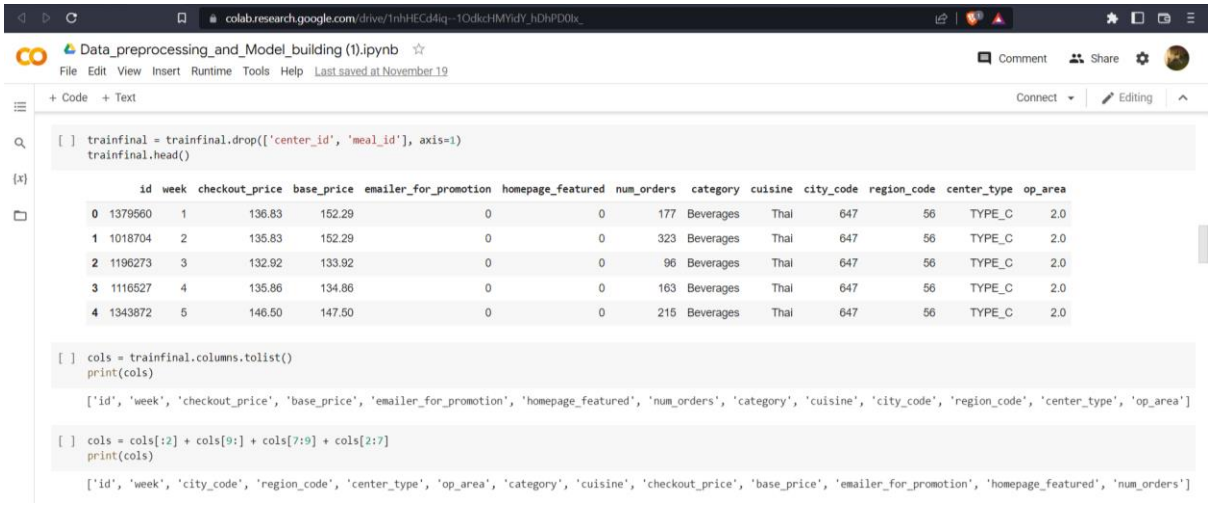


Team Member 2





Team Member 3



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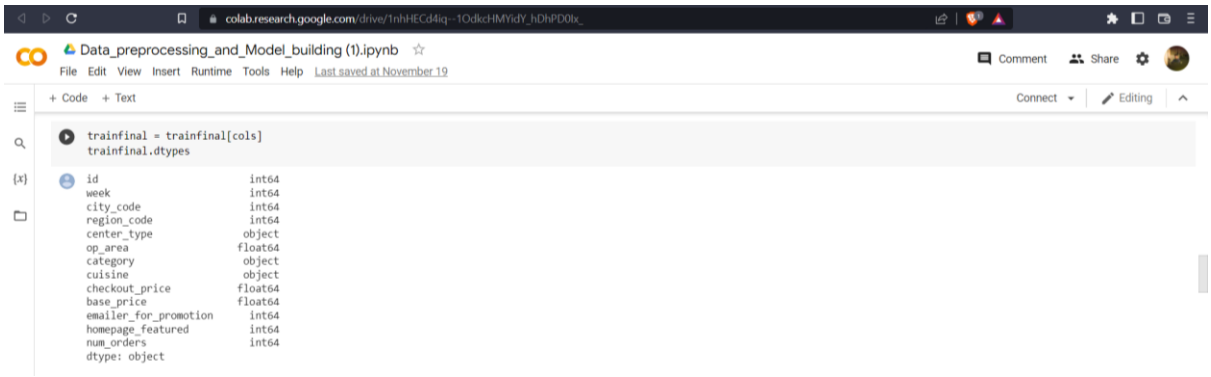

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trainfinal.dtypes
```

```
id                       int64
week                     int64
city_code                int64
region_code              int64
center_type             object
op_area                float64
category                object
cuisine                 object
checkout_price         float64
base_price             float64
emailer_for_promotion    int64
homepage_featured        int64
num_orders               int64
dtype: object
```