

Team ID: PNT2022TMID23576

PROJECT NAME: DemandEst - AI powered Food Demand Forecaster

## Team Leader

The screenshot shows a Jupyter Notebook interface with two code cells. The first cell contains code to drop columns from a DataFrame named 'trainfinal'. The second cell contains code to print the columns of 'trainfinal' and then filter them to include specific columns: 'id', 'week', 'city\_code', 'region\_code', 'center\_type', 'op\_area', 'category', 'cuisine', 'checkout\_price', 'base\_price', 'emailer\_for\_promotion', 'homepage\_featured', and 'num\_orders'. The output of the second cell shows the resulting list of columns.

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

[ ] 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']
```

The screenshot shows a Jupyter Notebook interface with one code cell. The cell contains code to select specific columns from 'trainfinal' and then print the data types of those columns. The output shows the data types for each column: 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), and dtype: object.

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

Column	Data Type
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

The screenshot shows a Jupyter Notebook interface with two code cells. The first cell is identical to the one in the Team Leader's notebook, showing code to drop columns from 'trainfinal' and print its head. The second cell is also identical, showing code to filter and print specific columns from 'trainfinal'. The output of the second cell shows the resulting list of columns.

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

[ ] 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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+ Code + Text
trainfinal = trainfinal[cols]
trainfinal.dtypes

```

(x) [ ] 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 2

```

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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']

```

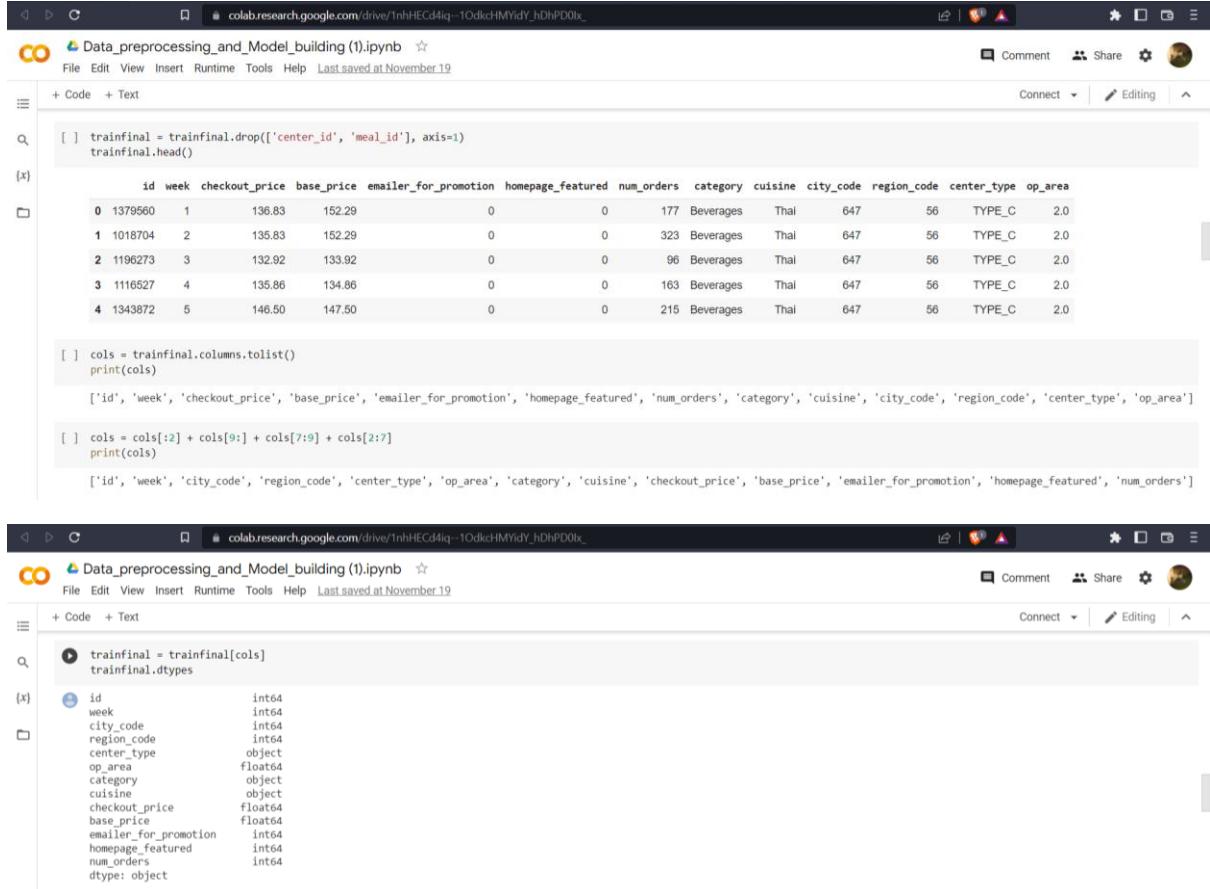
```

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trainfinal = trainfinal[cols]
trainfinal.dtypes

```

(x) [ ] 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 3



The screenshot shows two consecutive code execution environments in Google Colab.

**Execution Environment 1:**

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

(x) 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)
```

```
[ ] 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']
```

**Execution Environment 2:**

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

(x) 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