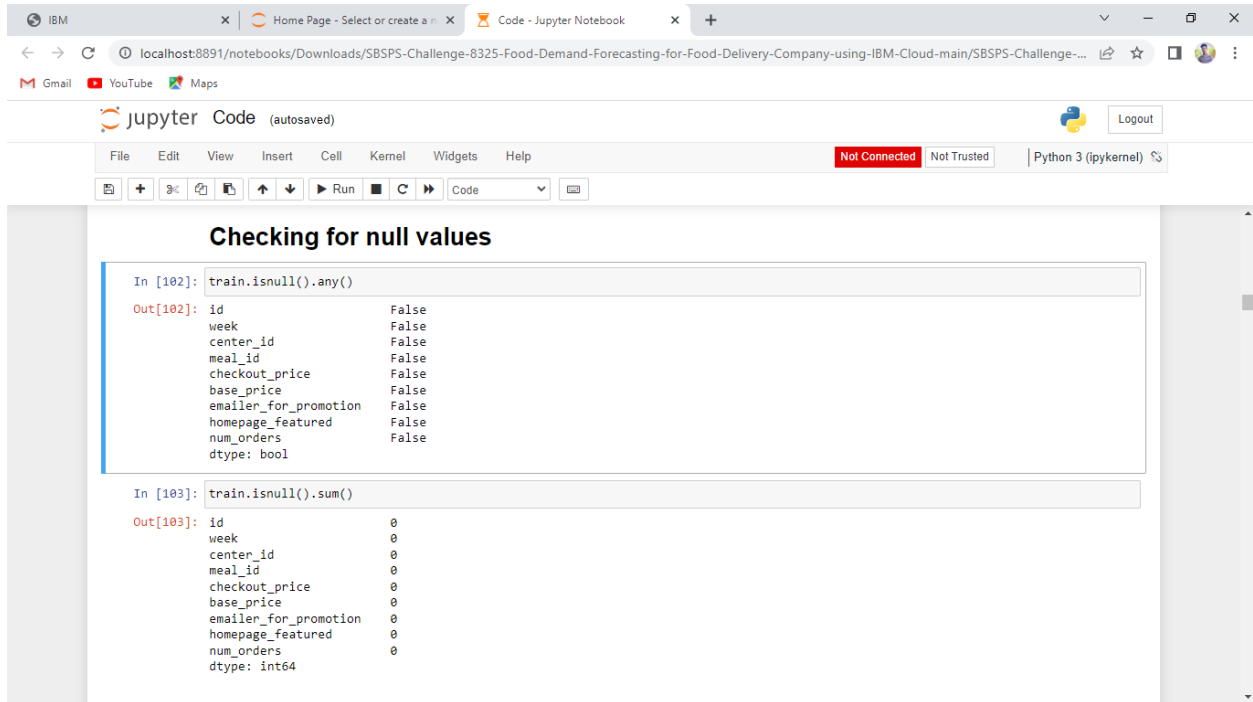


TEAM ID: PNT2022TMID17554

PROJECT NAME: DemandEst - AI powered Food Demand Forecaster

Team Leader



The screenshot shows a Jupyter Notebook interface in a web browser. The browser's address bar shows the URL: `localhost:8891/notebooks/Downloads/SBSPS-Challenge-8325-Food-Demand-Forecasting-for-Food-Delivery-Company-using-IBM-Cloud-main/SBSPS-Challenge-...`. The Jupyter Notebook interface includes a menu bar (File, Edit, View, Insert, Cell, Kernel, Widgets, Help), a toolbar with icons for file operations and execution, and a status bar indicating "Not Connected", "Not Trusted", and "Python 3 (ipykernel)".

The notebook contains two code cells. The first cell is titled "Checking for null values" and contains the following code:

```
In [102]: train.isnull().any()
```

The output of this cell is:

```
Out[102]: id                False
week                False
center_id           False
meal_id             False
checkout_price      False
base_price          False
emailer_for_promotion False
homepage_featured   False
num_orders          False
dtype: bool
```

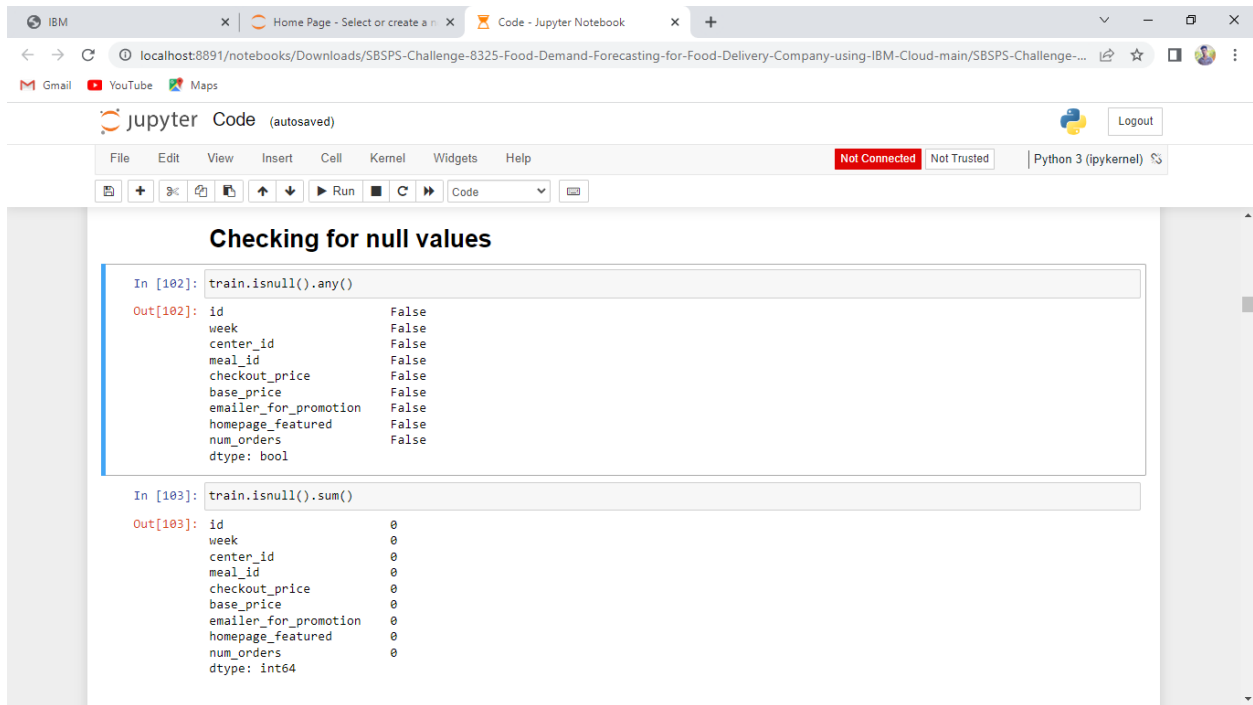
The second code cell contains the following code:

```
In [103]: train.isnull().sum()
```

The output of this cell is:

```
Out[103]: id                0
week                0
center_id           0
meal_id             0
checkout_price      0
base_price          0
emailer_for_promotion 0
homepage_featured   0
num_orders          0
dtype: int64
```

Team Member 1

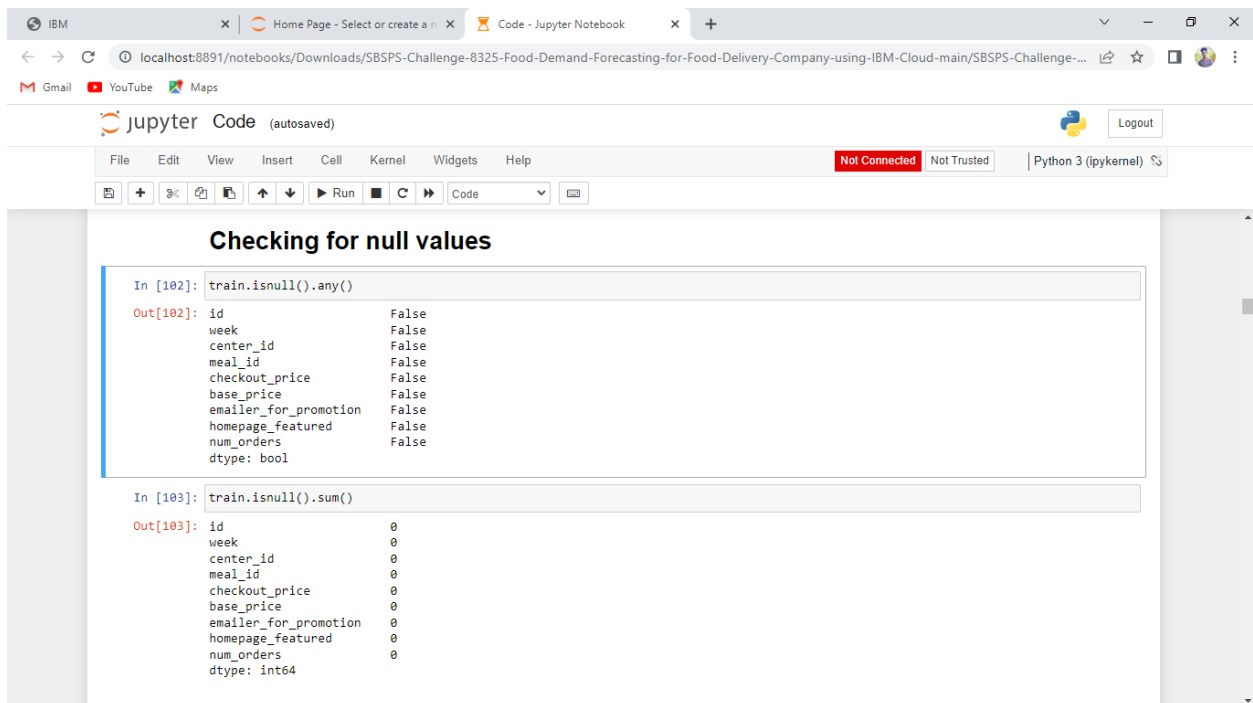


The screenshot shows a Jupyter Notebook interface with a browser window at the top. The notebook is titled "Checking for null values". It contains two code cells. The first cell, labeled "In [102]:", runs the command `train.isnull().any()`. The output, labeled "Out[102]:", shows a series of attributes and their corresponding boolean values, all of which are `False`, indicating no null values are present. The second cell, labeled "In [103]:", runs the command `train.isnull().sum()`. The output, labeled "Out[103]:", shows the same attributes with their corresponding sum values, all of which are `0`, further confirming the absence of null values. The notebook interface includes a menu bar with options like File, Edit, View, Insert, Cell, Kernel, Widgets, and Help. A status bar at the bottom indicates the kernel is "Python 3 (ipykernel)" and is "Not Connected".

```
In [102]: train.isnull().any()
Out[102]: id                False
          week              False
          center_id         False
          meal_id           False
          checkout_price     False
          base_price         False
          emailer_for_promotion False
          homepage_featured  False
          num_orders         False
          dtype: bool

In [103]: train.isnull().sum()
Out[103]: id                0
          week              0
          center_id         0
          meal_id           0
          checkout_price     0
          base_price         0
          emailer_for_promotion 0
          homepage_featured  0
          num_orders         0
          dtype: int64
```

Team Member 1

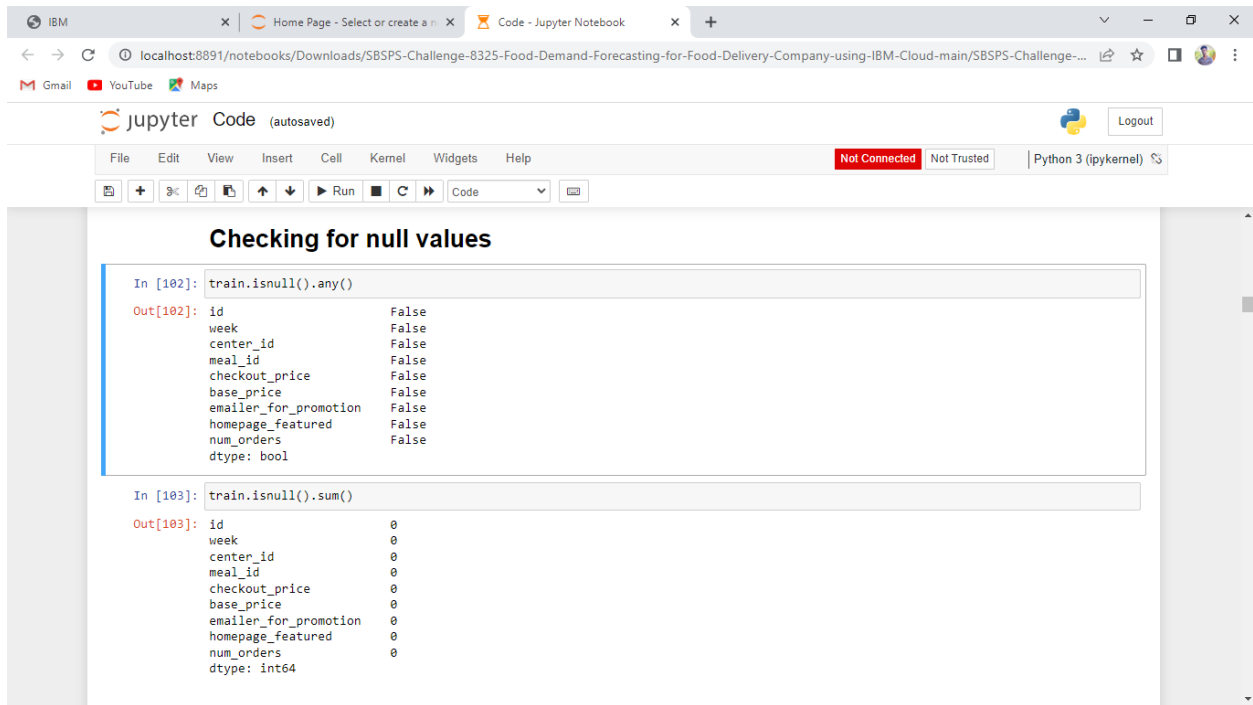


This screenshot is identical to the one above, showing the same Jupyter Notebook interface with the same code and output for checking null values. The notebook title is "Checking for null values". The first code cell, "In [102]:", runs `train.isnull().any()` and the output, "Out[102]:", lists attributes with `False` values. The second code cell, "In [103]:", runs `train.isnull().sum()` and the output, "Out[103]:", lists attributes with `0` values. The interface elements, including the menu bar and status bar, are the same as in the first screenshot.

```
In [102]: train.isnull().any()
Out[102]: id                False
          week              False
          center_id         False
          meal_id           False
          checkout_price     False
          base_price         False
          emailer_for_promotion False
          homepage_featured  False
          num_orders         False
          dtype: bool

In [103]: train.isnull().sum()
Out[103]: id                0
          week              0
          center_id         0
          meal_id           0
          checkout_price     0
          base_price         0
          emailer_for_promotion 0
          homepage_featured  0
          num_orders         0
          dtype: int64
```

Team Member 2

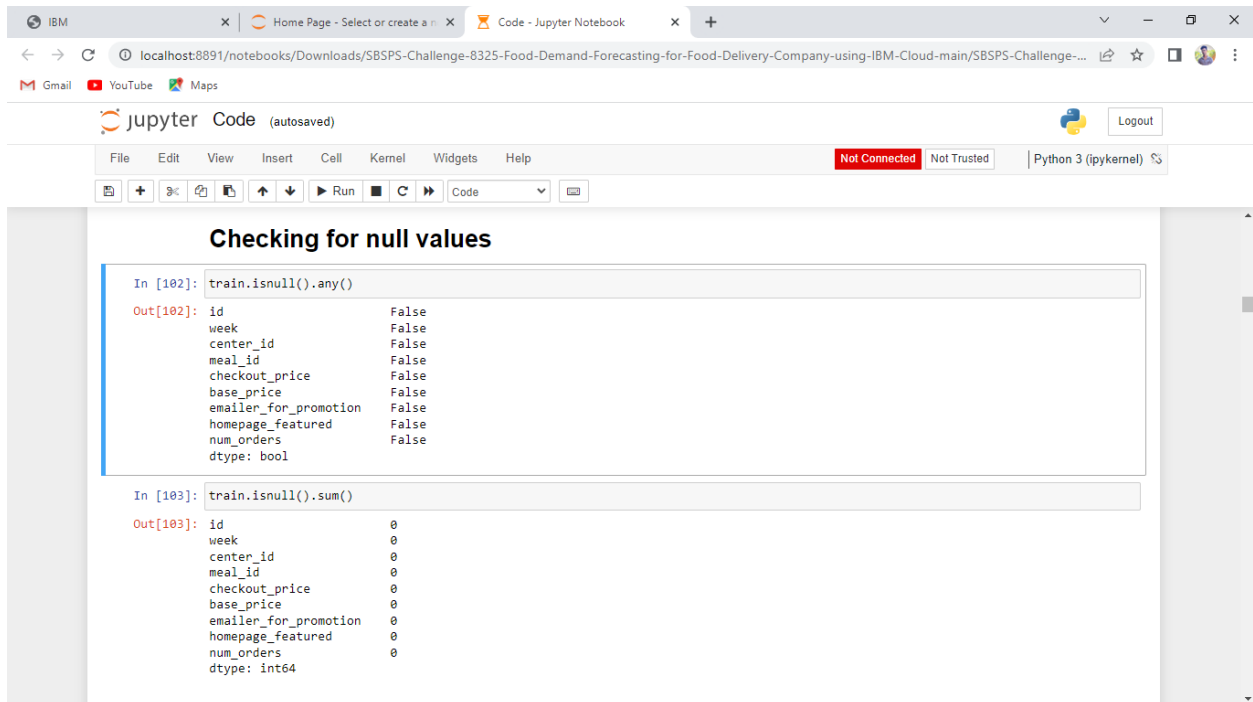


The screenshot shows a Jupyter Notebook interface with a browser window at the top. The notebook is titled "Checking for null values". It contains two code cells. The first cell, labeled "In [102]:", contains the code `train.isnull().any()`. The output, labeled "Out[102]:", is a Series of boolean values for each column: id, week, center_id, meal_id, checkout_price, base_price, emailer_for_promotion, homepage_featured, num_orders, and dtype: bool. All values are False. The second cell, labeled "In [103]:", contains the code `train.isnull().sum()`. The output, labeled "Out[103]:", is a Series of integer values for each column: id, week, center_id, meal_id, checkout_price, base_price, emailer_for_promotion, homepage_featured, num_orders, and dtype: int64. All values are 0.

```
In [102]: train.isnull().any()
Out[102]: id                False
          week              False
          center_id         False
          meal_id           False
          checkout_price     False
          base_price         False
          emailer_for_promotion False
          homepage_featured  False
          num_orders         False
          dtype: bool

In [103]: train.isnull().sum()
Out[103]: id                0
          week              0
          center_id         0
          meal_id           0
          checkout_price     0
          base_price         0
          emailer_for_promotion 0
          homepage_featured  0
          num_orders         0
          dtype: int64
```

Team Member 3



The screenshot shows a Jupyter Notebook interface with a browser window at the top. The notebook is titled "Checking for null values". It contains two code cells. The first cell, labeled "In [102]:", contains the code `train.isnull().any()`. The output, labeled "Out[102]:", is a Series of boolean values for each column: id, week, center_id, meal_id, checkout_price, base_price, emailer_for_promotion, homepage_featured, num_orders, and dtype: bool. All values are False. The second cell, labeled "In [103]:", contains the code `train.isnull().sum()`. The output, labeled "Out[103]:", is a Series of integer values for each column: id, week, center_id, meal_id, checkout_price, base_price, emailer_for_promotion, homepage_featured, num_orders, and dtype: int64. All values are 0.

```
In [102]: train.isnull().any()
Out[102]: id                False
          week              False
          center_id         False
          meal_id           False
          checkout_price     False
          base_price         False
          emailer_for_promotion False
          homepage_featured  False
          num_orders         False
          dtype: bool

In [103]: train.isnull().sum()
Out[103]: id                0
          week              0
          center_id         0
          meal_id           0
          checkout_price     0
          base_price         0
          emailer_for_promotion 0
          homepage_featured  0
          num_orders         0
          dtype: int64
```