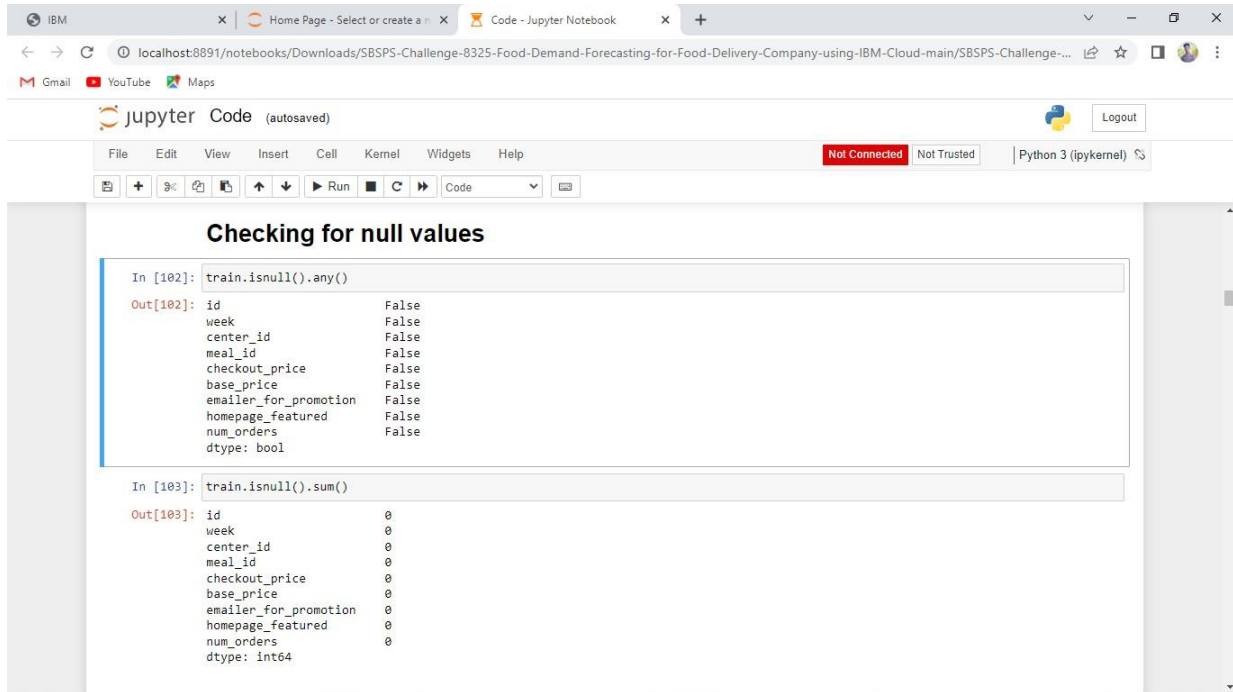


TEAM ID: PNT2022TMID51052

PROJECT NAME: DemandEst - AI powered Food Demand Forecaster

CHECKING FOR NULL VALUES

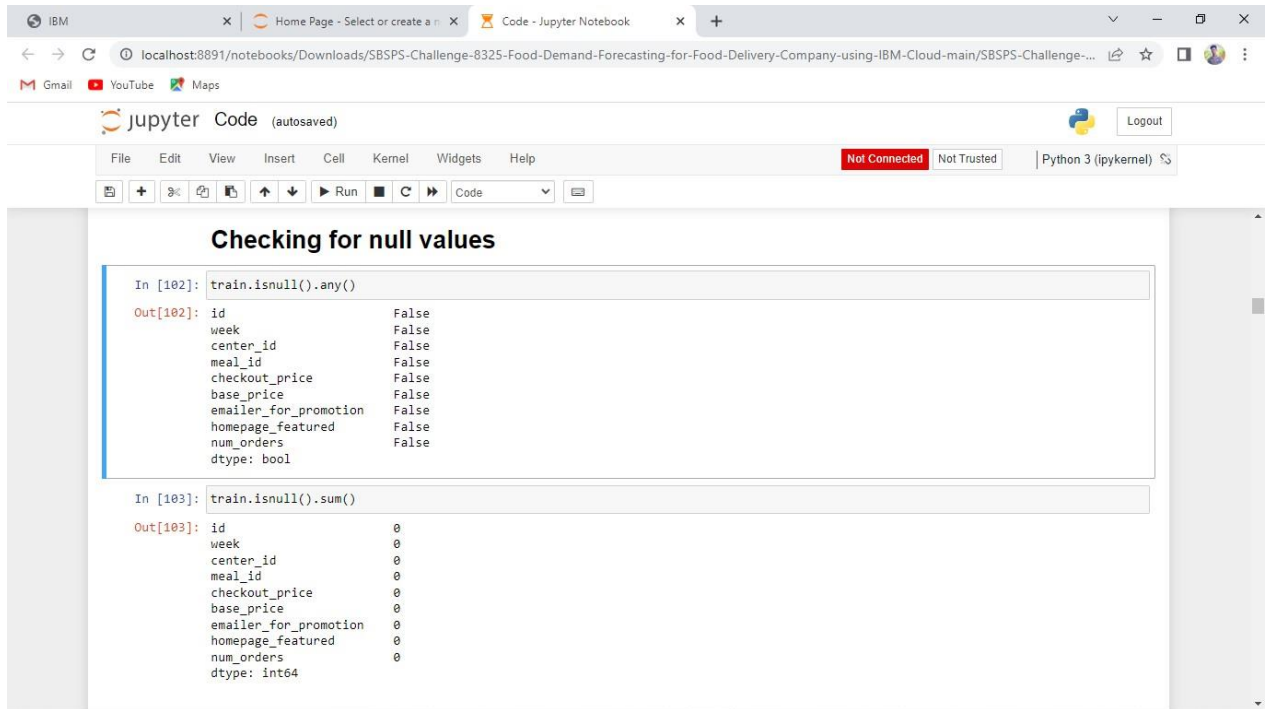


The screenshot shows a Jupyter Notebook interface with two code cells. The first cell, labeled 'In [102]:', contains the code `train.isnull().any()`. The output, labeled 'Out[102]:', shows a series of attributes and their corresponding boolean values, all of which are 'False', indicating no null values. The second cell, labeled 'In [103]:', contains the code `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 dtype for the first output is 'bool' and for the second is 'int64'.

```
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



The screenshot shows a Jupyter Notebook interface in a web browser. The browser's address bar displays the URL: `localhost:8891/notebooks/Downloads/SBSPS-Challenge-8325-Food-Demand-Forecasting-for-Food-Delivery-Company-using-IBM-Cloud-main/SBSPS-Challenge-...`. The notebook's title bar indicates it is a "Code" notebook, "autosaved", and shows a "Logout" button. The interface includes a menu bar (File, Edit, View, Insert, Cell, Kernel, Widgets, Help) and a toolbar with icons for file operations, running, and code execution. A status bar at the top right shows "Not Connected", "Not Trusted", and "Python 3 (ipykernel)".

The notebook content is titled "Checking for null values". It contains two code cells:

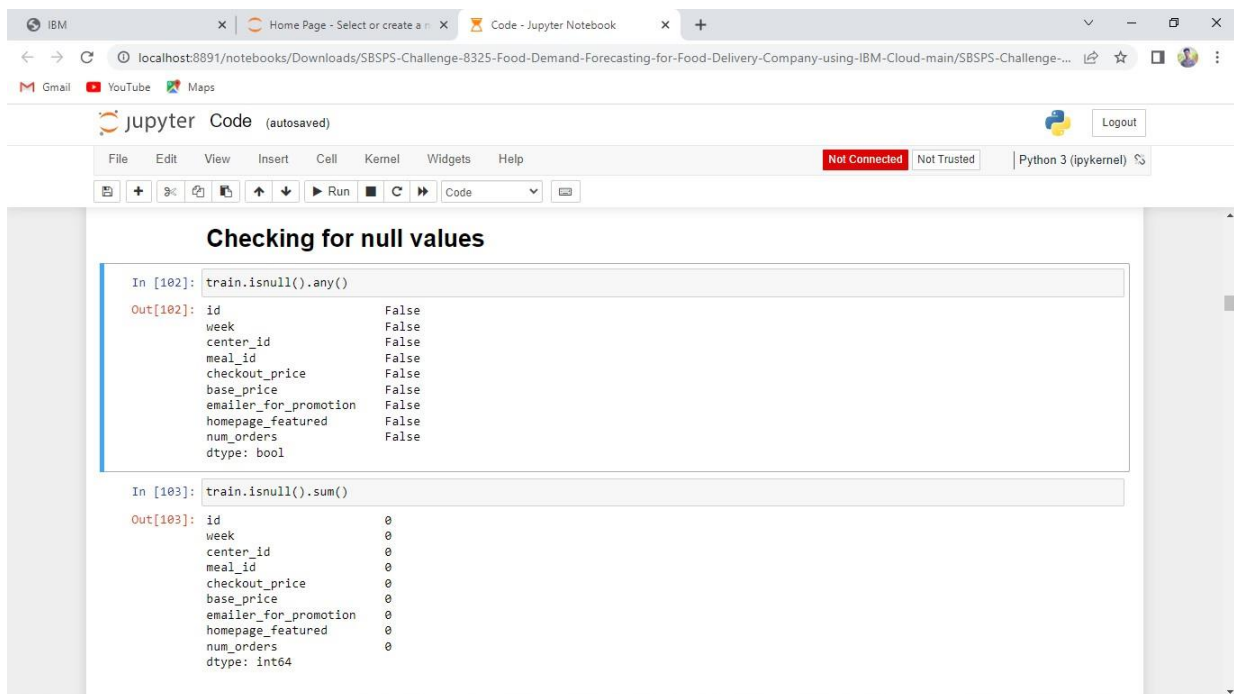
```
In [102]: train.isnull().any()
```

```
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



The screenshot shows a Jupyter Notebook interface in a web browser, identical to the one above. The browser's address bar displays the URL: `localhost:8891/notebooks/Downloads/SBSPS-Challenge-8325-Food-Demand-Forecasting-for-Food-Delivery-Company-using-IBM-Cloud-main/SBSPS-Challenge-...`. The notebook's title bar indicates it is a "Code" notebook, "autosaved", and shows a "Logout" button. The interface includes a menu bar (File, Edit, View, Insert, Cell, Kernel, Widgets, Help) and a toolbar with icons for file operations, running, and code execution. A status bar at the top right shows "Not Connected", "Not Trusted", and "Python 3 (ipykernel)".

The notebook content is titled "Checking for null values". It contains two code cells:

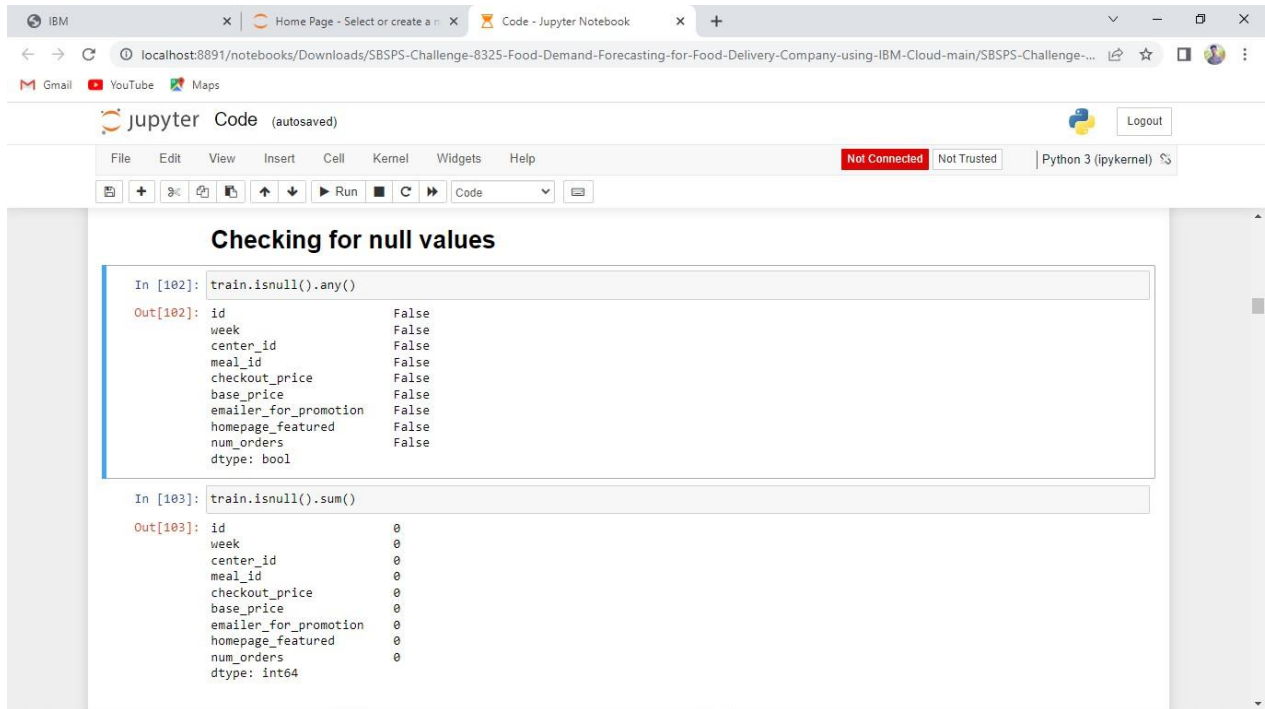
```
In [102]: train.isnull().any()
```

```
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

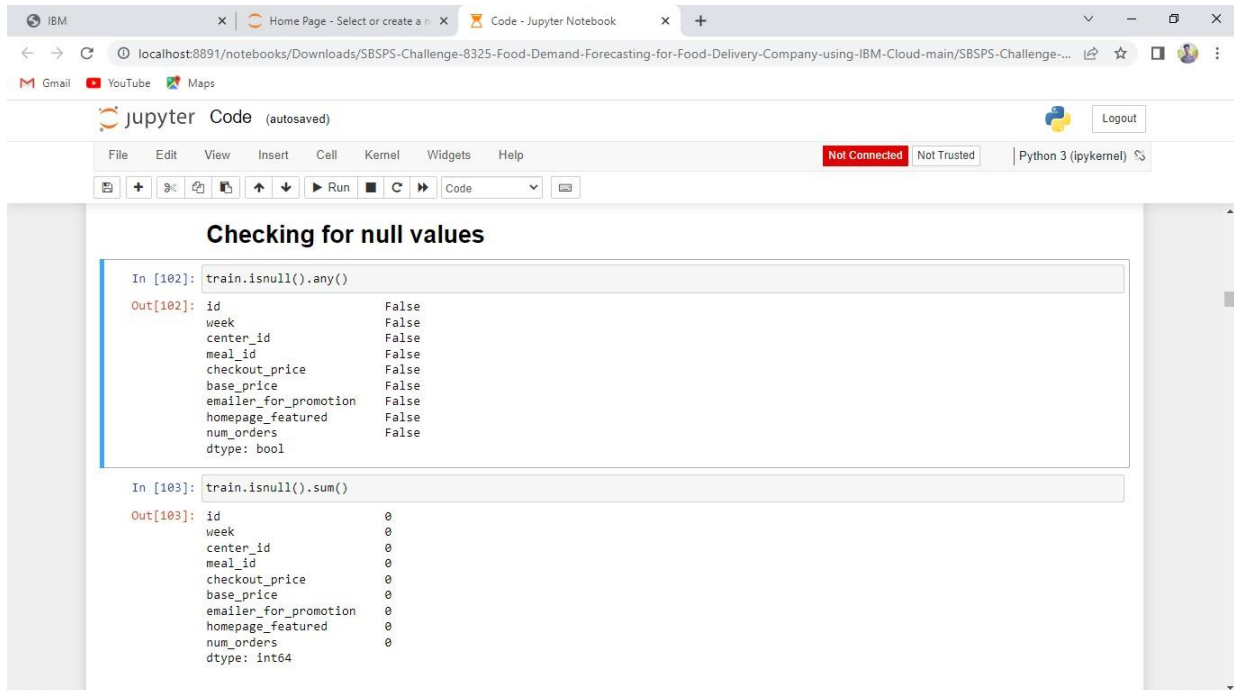


The screenshot shows a Jupyter Notebook interface with a browser window at the top. The notebook has a title bar with 'jupyter Code (autosaved)' and a 'Logout' button. The menu bar includes File, Edit, View, Insert, Cell, Kernel, Widgets, and Help. The status bar shows 'Not Connected', 'Not Trusted', and 'Python 3 (ipykernel)'. The notebook content is titled 'Checking for null values' and contains two code cells. The first cell runs `train.isnull().any()` and the second runs `train.isnull().sum()`. Both cells show the output as a table of boolean values for each column.

```
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 has a title bar with 'jupyter Code (autosaved)' and a 'Logout' button. The menu bar includes File, Edit, View, Insert, Cell, Kernel, Widgets, and Help. The status bar shows 'Not Connected', 'Not Trusted', and 'Python 3 (ipykernel)'. The notebook content is titled 'Checking for null values' and contains two code cells. The first cell runs `train.isnull().any()` and the second runs `train.isnull().sum()`. Both cells show the output as a table of boolean values for each column.

```
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
```