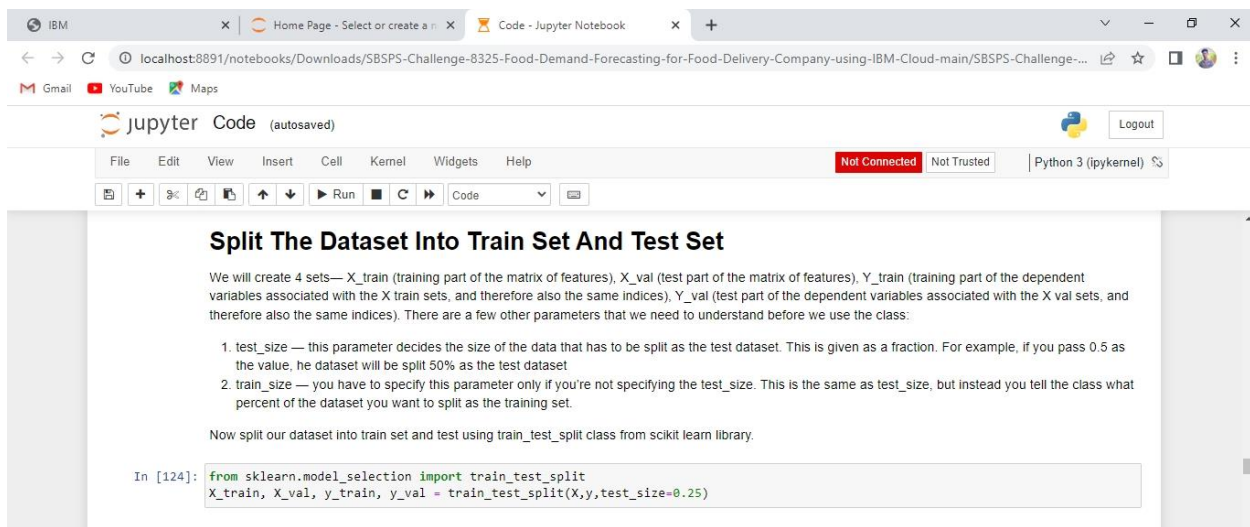


TEAM ID: PNT2022TMID17645

PROJECT NAME: DemandEst - AI powered Food Demand Forecaster

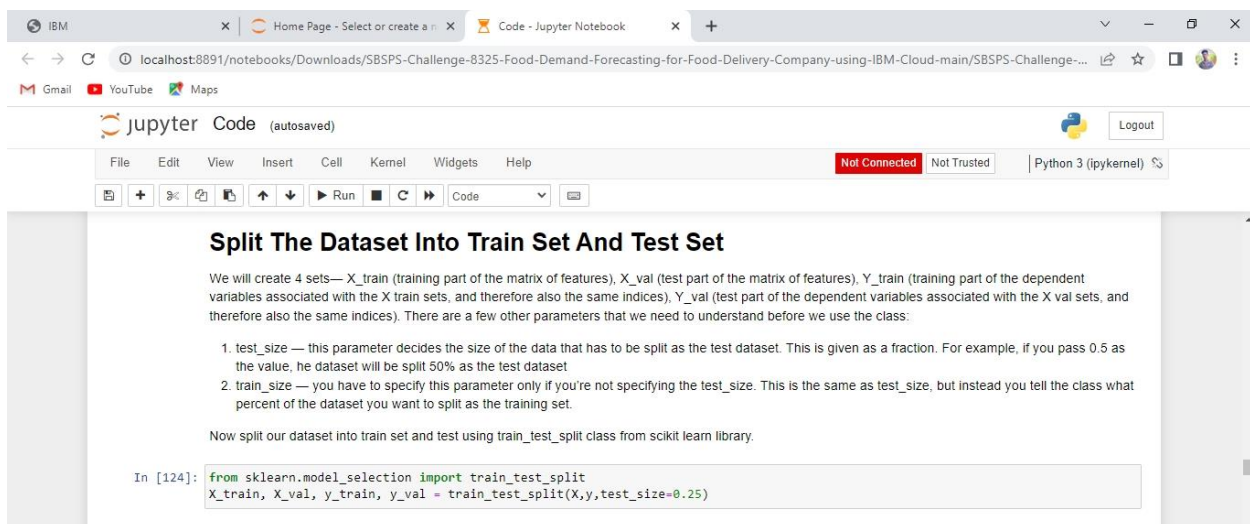
Team Leader



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 notebook's title bar says "jupyter Code (autosaved)". 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. The main content area has a title "Split The Dataset Into Train Set And Test Set" and a paragraph explaining the purpose of the code: "We will create 4 sets— X_train (training part of the matrix of features), X_val (test part of the matrix of features), Y_train (training part of the dependent variables associated with the X train sets, and therefore also the same indices), Y_val (test part of the dependent variables associated with the X val sets, and therefore also the same indices). There are a few other parameters that we need to understand before we use the class:". Below this, there is a list of two parameters: 1. test_size — this parameter decides the size of the data that has to be split as the test dataset. This is given as a fraction. For example, if you pass 0.5 as the value, the dataset will be split 50% as the test dataset. 2. train_size — you have to specify this parameter only if you're not specifying the test_size. This is the same as test_size, but instead you tell the class what percent of the dataset you want to split as the training set. Below the list, there is a note: "Now split our dataset into train set and test using train_test_split class from scikit learn library." The code cell contains the following code:

```
In [124]: from sklearn.model_selection import train_test_split
X_train, X_val, y_train, y_val = train_test_split(X,y,test_size=0.25)
```

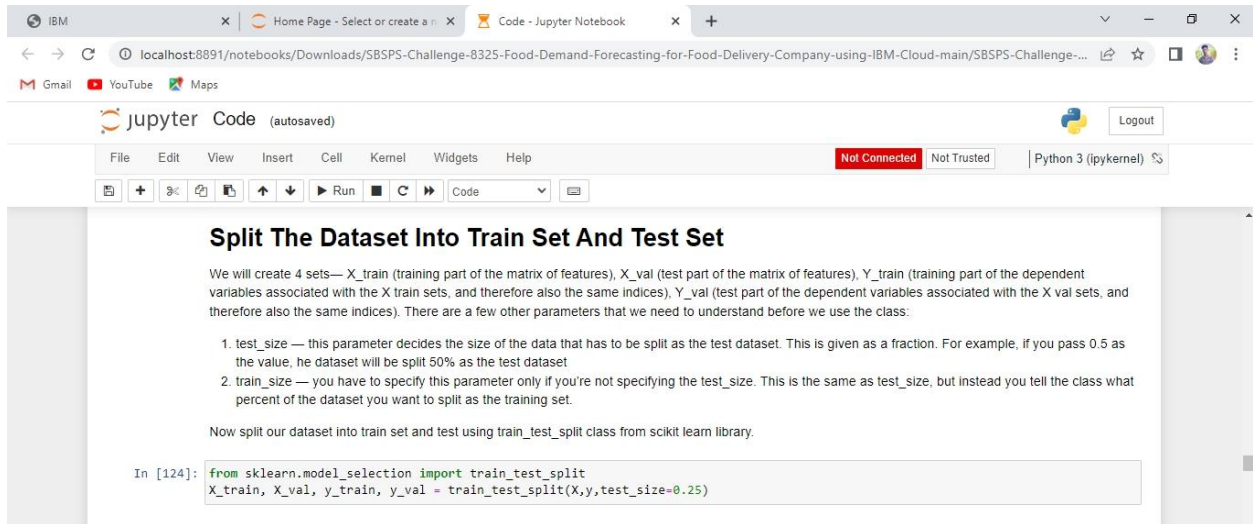
Team Member 1



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 notebook's title bar says "jupyter Code (autosaved)". 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. The main content area has a title "Split The Dataset Into Train Set And Test Set" and a paragraph explaining the purpose of the code: "We will create 4 sets— X_train (training part of the matrix of features), X_val (test part of the matrix of features), Y_train (training part of the dependent variables associated with the X train sets, and therefore also the same indices), Y_val (test part of the dependent variables associated with the X val sets, and therefore also the same indices). There are a few other parameters that we need to understand before we use the class:". Below this, there is a list of two parameters: 1. test_size — this parameter decides the size of the data that has to be split as the test dataset. This is given as a fraction. For example, if you pass 0.5 as the value, the dataset will be split 50% as the test dataset. 2. train_size — you have to specify this parameter only if you're not specifying the test_size. This is the same as test_size, but instead you tell the class what percent of the dataset you want to split as the training set. Below the list, there is a note: "Now split our dataset into train set and test using train_test_split class from scikit learn library." The code cell contains the following code:

```
In [124]: from sklearn.model_selection import train_test_split
X_train, X_val, y_train, y_val = train_test_split(X,y,test_size=0.25)
```

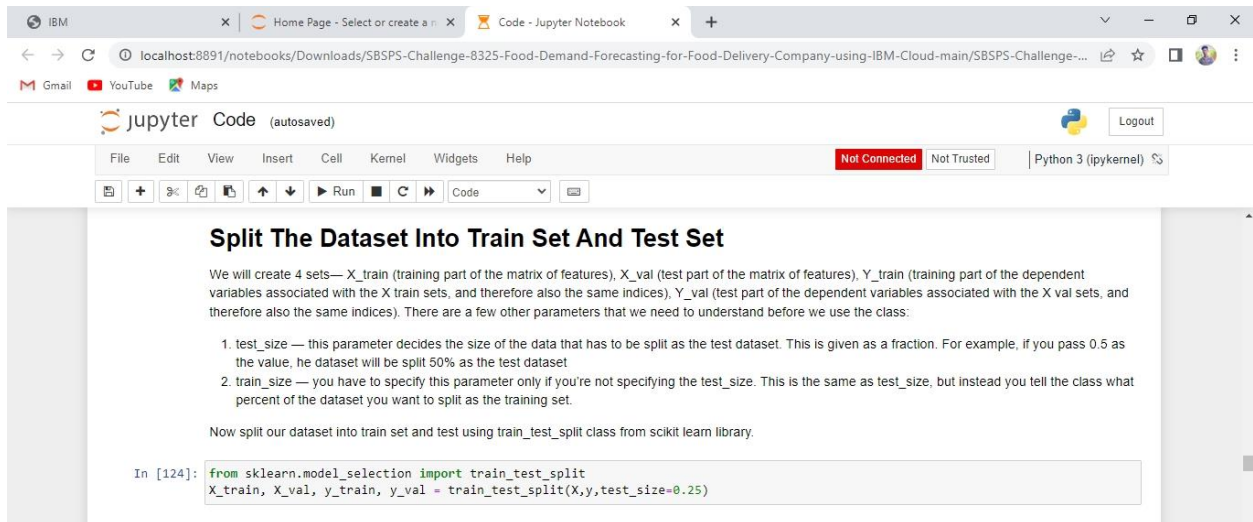
Team Member 2`



The screenshot shows a Jupyter Notebook interface in a web browser. The browser tabs include 'IBM', 'Home Page - Select or create a n...', and 'Code - Jupyter Notebook'. The address bar shows 'localhost:8891/notebooks/Downloads/SBSPS-Challenge-8325-Food-Demand-Forecasting-for-Food-Delivery-Company-using-IBM-Cloud-main/SBSPS-Challenge-...'. The Jupyter interface has a top bar with 'jupyter Code (autosaved)' and a 'Logout' button. Below this is a menu bar with 'File', 'Edit', 'View', 'Insert', 'Cell', 'Kernel', 'Widgets', and 'Help'. A status bar indicates 'Not Connected', 'Not Trusted', and 'Python 3 (ipykernel)'. The main content area has a title 'Split The Dataset Into Train Set And Test Set'. The text explains that four sets will be created: X_train, X_val, Y_train, and Y_val. It lists two parameters: 'test_size' (a fraction, e.g., 0.5 for 50%) and 'train_size' (a fraction, e.g., 0.25 for 25%). It then instructs to use the 'train_test_split' class from the 'sklearn' library. A code cell is shown with the following code:

```
In [124]: from sklearn.model_selection import train_test_split
X_train, X_val, y_train, y_val = train_test_split(X,y,test_size=0.25)
```

Team Member 3



The screenshot shows a Jupyter Notebook interface in a web browser, identical to the one above. The browser tabs include 'IBM', 'Home Page - Select or create a n...', and 'Code - Jupyter Notebook'. The address bar shows 'localhost:8891/notebooks/Downloads/SBSPS-Challenge-8325-Food-Demand-Forecasting-for-Food-Delivery-Company-using-IBM-Cloud-main/SBSPS-Challenge-...'. The Jupyter interface has a top bar with 'jupyter Code (autosaved)' and a 'Logout' button. Below this is a menu bar with 'File', 'Edit', 'View', 'Insert', 'Cell', 'Kernel', 'Widgets', and 'Help'. A status bar indicates 'Not Connected', 'Not Trusted', and 'Python 3 (ipykernel)'. The main content area has a title 'Split The Dataset Into Train Set And Test Set'. The text explains that four sets will be created: X_train, X_val, Y_train, and Y_val. It lists two parameters: 'test_size' (a fraction, e.g., 0.5 for 50%) and 'train_size' (a fraction, e.g., 0.25 for 25%). It then instructs to use the 'train_test_split' class from the 'sklearn' library. A code cell is shown with the following code:

```
In [124]: from sklearn.model_selection import train_test_split
X_train, X_val, y_train, y_val = train_test_split(X,y,test_size=0.25)
```