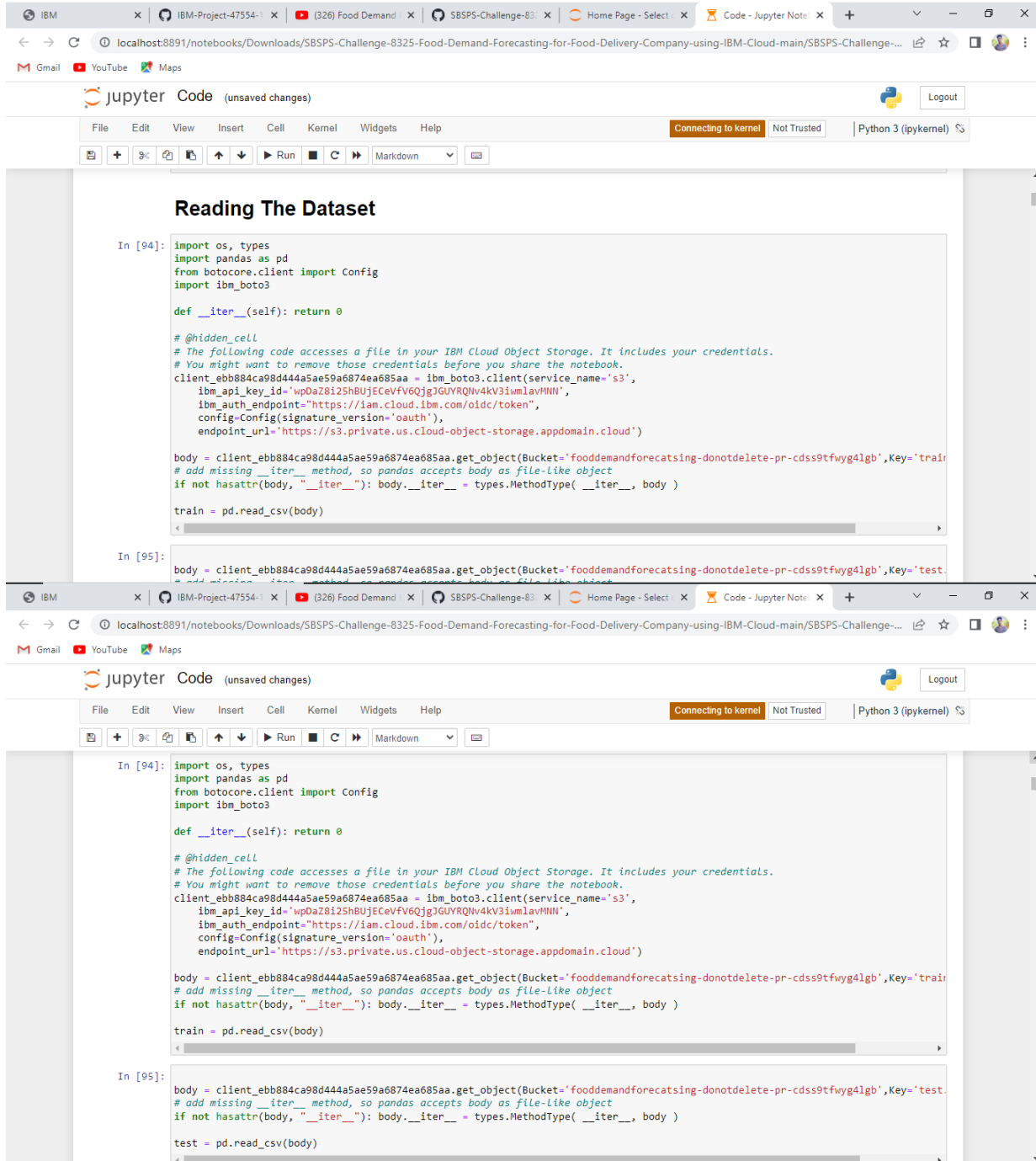


TEAM ID: PNT2022TMID14136

PROJECT NAME: DemandEst - AI powered Food Demand Forecaster



The image displays two screenshots of a Jupyter Notebook interface, likely from 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 top bar with the Jupyter logo, the text "Code (unsaved changes)", and a "Logout" button. Below this is a menu bar with options: File, Edit, View, Insert, Cell, Kernel, Widgets, and Help. A status bar at the bottom of the menu indicates "Connecting to kernel", "Not Trusted", and "Python 3 (ipykernel)".

The notebook contains two code cells. The first cell, labeled "In [94]:", is titled "Reading The Dataset" and contains the following code:

```
import os, types
import pandas as pd
from boto3.client import Config
import boto3

def __iter__(self): return 0

# @hidden_cell
# The following code accesses a file in your IBM Cloud Object Storage. It includes your credentials.
# You might want to remove those credentials before you share the notebook.
client_ebb884ca98d444a5ae59a6874ea685aa = boto3.client(service_name='s3',
    ibm_api_key_id='wpDaZ8i25hBUjECeVfV6Qjg3GUYRQNV4kV3iwmIavMNN',
    ibm_auth_endpoint='https://iam.cloud.ibm.com/oidc/token',
    config=Config(signature_version='oauth'),
    endpoint_url='https://s3.private.us.cloud-object-storage.appdomain.cloud')

body = client_ebb884ca98d444a5ae59a6874ea685aa.get_object(Bucket='fooddemandforecatsing-donotdelete-pr-cdss9tfwyg4lgb',Key='train')
# add missing __iter__ method, so pandas accepts body as file-like object
if not hasattr(body, "__iter__"): body.__iter__ = types.MethodType(__iter__, body)

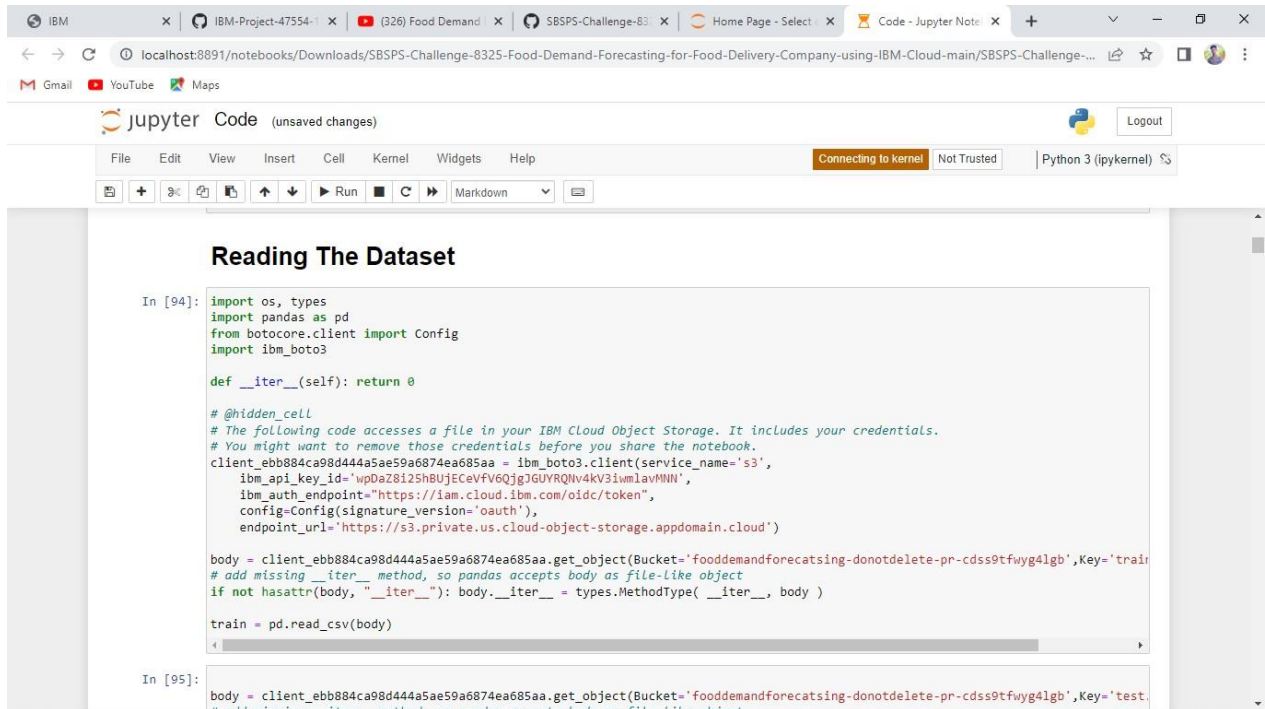
train = pd.read_csv(body)
```

The second cell, labeled "In [95]:", contains the following code:

```
body = client_ebb884ca98d444a5ae59a6874ea685aa.get_object(Bucket='fooddemandforecatsing-donotdelete-pr-cdss9tfwyg4lgb',Key='test')
# add missing __iter__ method, so pandas accepts body as file-like object
if not hasattr(body, "__iter__"): body.__iter__ = types.MethodType(__iter__, body)

test = pd.read_csv(body)
```

Team Member 1



The screenshot shows a Jupyter Notebook interface with the title "Reading The Dataset". The code in the first cell (In [94]:) imports necessary libraries and configures a boto3 client to access an S3 bucket. It then retrieves a CSV file named 'train' and reads it into a pandas DataFrame. The second cell (In [95]:) is partially visible, showing the retrieval of a file named 'test'.

```
In [94]: import os, types
import pandas as pd
from boto3.client import Config
import ibm_boto3

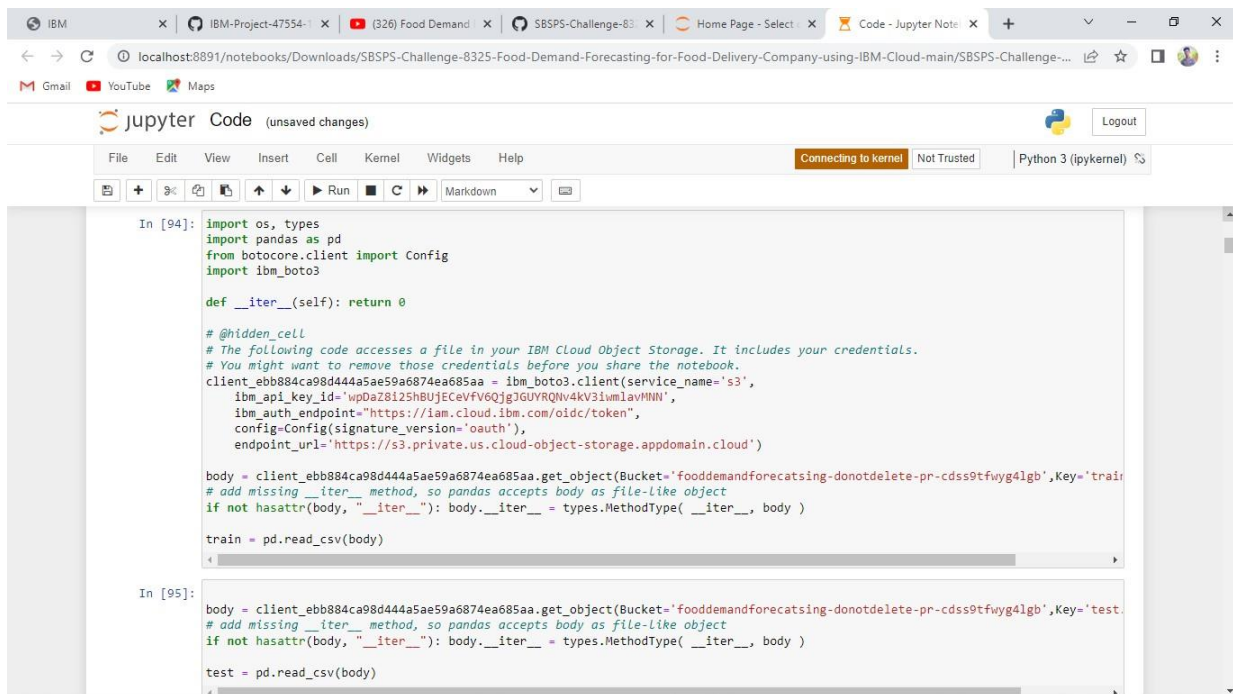
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# You might want to remove those credentials before you share the notebook.
client_ebb884ca98d444a5ae59a6874ea685aa = ibm_boto3.client(service_name='s3',
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    ibm_auth_endpoint='https://iam.cloud.ibm.com/oidc/token',
    config=Config(signature_version='oauth'),
    endpoint_url='https://s3.private.us.cloud-object-storage.appdomain.cloud')

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# add missing __iter__ method, so pandas accepts body as file-like object
if not hasattr(body, "__iter__"): body.__iter__ = types.MethodType(__iter__, body)

train = pd.read_csv(body)

In [95]: body = client_ebb884ca98d444a5ae59a6874ea685aa.get_object(Bucket='fooddemandforecatsing-donotdelete-pr-cdss9tfwyg4lgb',Key='test')
# add missing __iter__ method, so pandas accepts body as file-like object
```



The screenshot shows a Jupyter Notebook interface with the title "Reading The Dataset". The code in the first cell (In [94]:) imports necessary libraries and configures a boto3 client to access an S3 bucket. It then retrieves a CSV file named 'train' and reads it into a pandas DataFrame. The second cell (In [95]:) is partially visible, showing the retrieval of a file named 'test'.

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import pandas as pd
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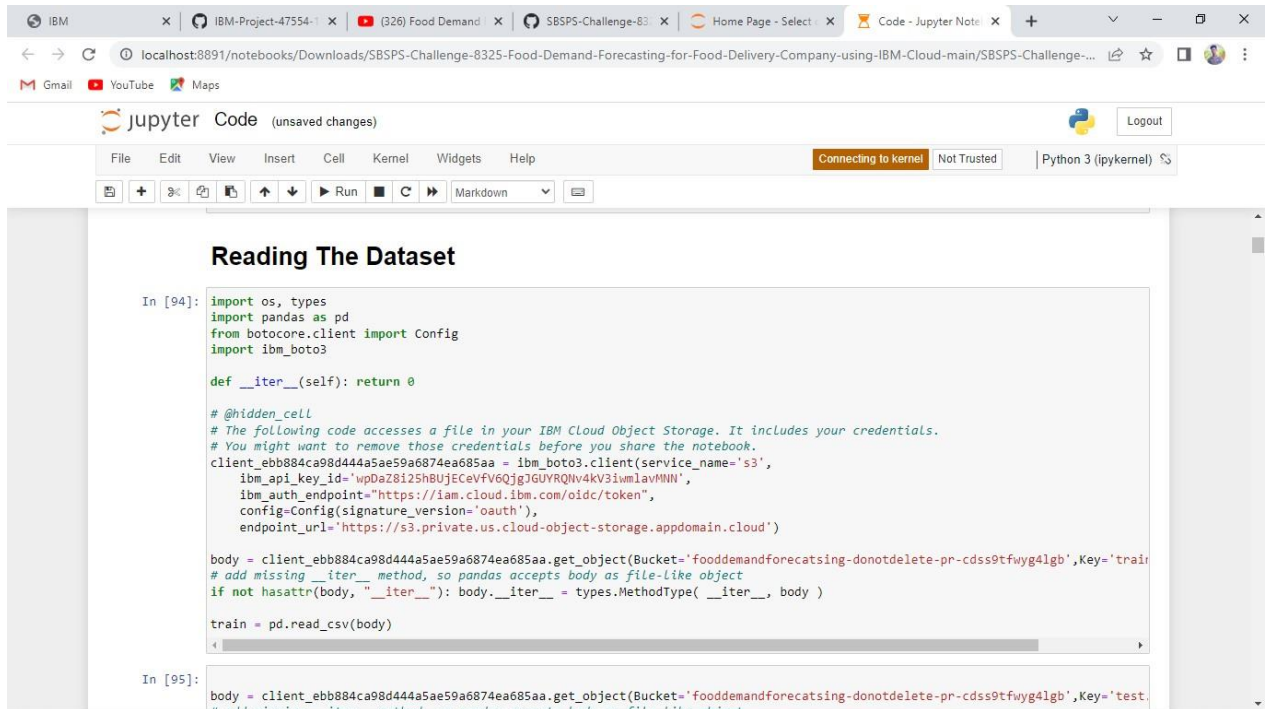
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# add missing __iter__ method, so pandas accepts body as file-like object
if not hasattr(body, "__iter__"): body.__iter__ = types.MethodType(__iter__, body)

train = pd.read_csv(body)

In [95]: body = client_ebb884ca98d444a5ae59a6874ea685aa.get_object(Bucket='fooddemandforecatsing-donotdelete-pr-cdss9tfwyg4lgb',Key='test')
# add missing __iter__ method, so pandas accepts body as file-like object
if not hasattr(body, "__iter__"): body.__iter__ = types.MethodType(__iter__, body)

test = pd.read_csv(body)
```

Team Member 2



The screenshot shows a Jupyter Notebook interface with a browser window. The address bar indicates the notebook is running on localhost:8891. The notebook title is "jupyter Code (unsaved changes)". The interface includes a menu bar (File, Edit, View, Insert, Cell, Kernel, Widgets, Help) and a toolbar with icons for file operations, running, and saving. A status bar at the top right shows "Connecting to kernel", "Not Trusted", and "Python 3 (ipykernel)".

The code cell, titled "Reading The Dataset", contains the following Python code:

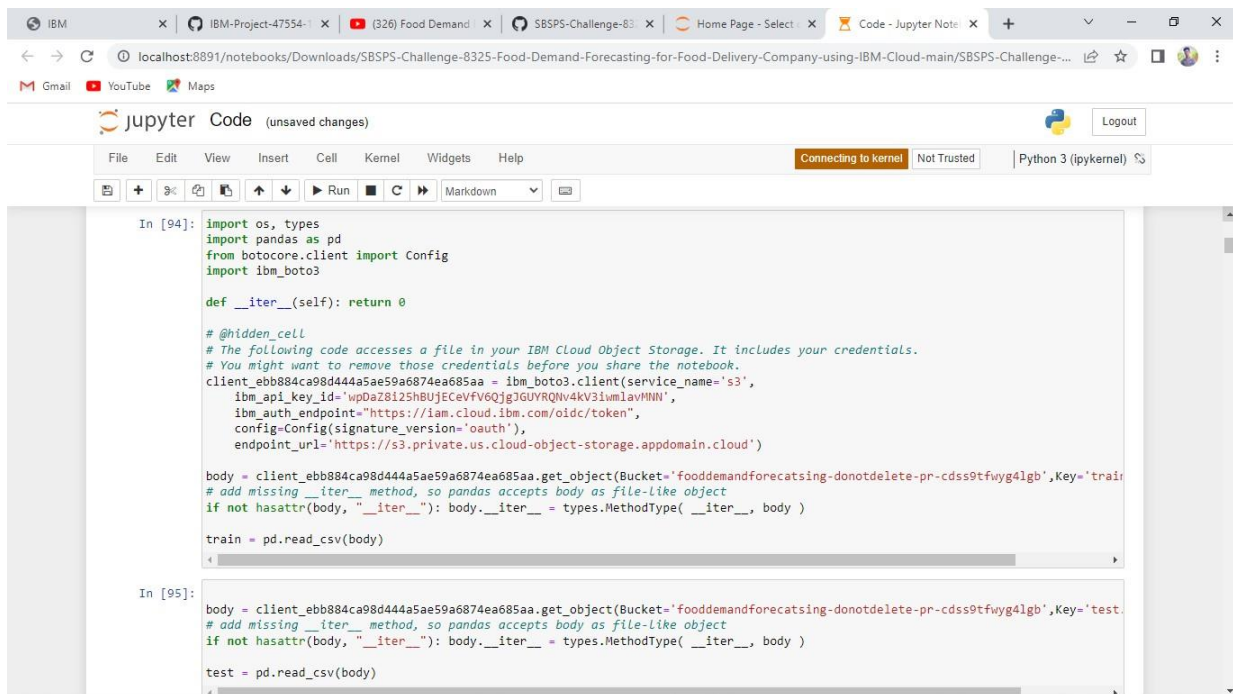
```
In [94]: import os, types
import pandas as pd
from boto3.client import Config
import ibm_boto3

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# The following code accesses a file in your IBM Cloud Object Storage. It includes your credentials.
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    ibm_auth_endpoint='https://iam.cloud.ibm.com/oidc/token',
    config=Config(signature_version='oauth'),
    endpoint_url='https://s3.private.us.cloud-object-storage.appdomain.cloud')

body = client_ebb884ca98d444a5ae59a6874ea685aa.get_object(Bucket='fooddemandforecatsing-donotdelete-pr-cdss9tfwyg4lgb',Key='train')
# add missing __iter__ method, so pandas accepts body as file-like object
if not hasattr(body, "__iter__"): body.__iter__ = types.MethodType(__iter__, body)

train = pd.read_csv(body)
```



The screenshot shows a Jupyter Notebook interface with a browser window. The address bar indicates the notebook is running on localhost:8891. The notebook title is "jupyter Code (unsaved changes)". The interface includes a menu bar (File, Edit, View, Insert, Cell, Kernel, Widgets, Help) and a toolbar with icons for file operations, running, and saving. A status bar at the top right shows "Connecting to kernel", "Not Trusted", and "Python 3 (ipykernel)".

The code cell, titled "Reading The Dataset", contains the following Python code:

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In [94]: import os, types
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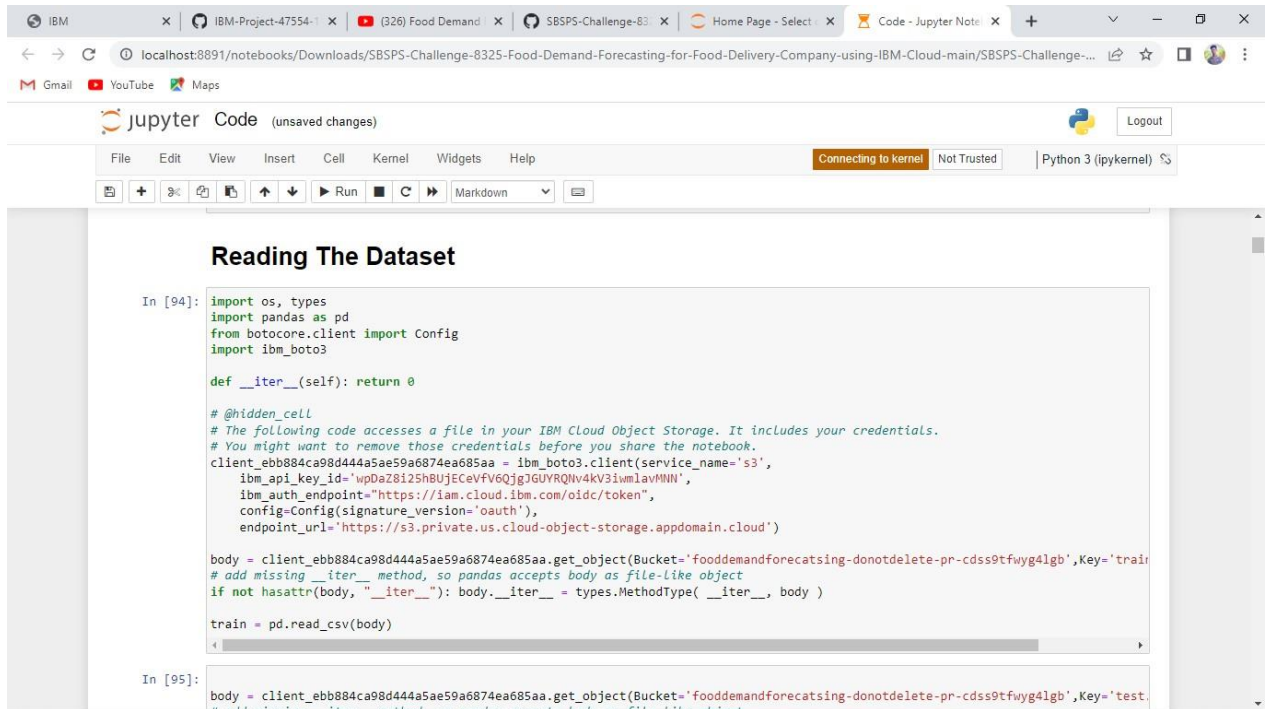
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    ibm_auth_endpoint='https://iam.cloud.ibm.com/oidc/token',
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    endpoint_url='https://s3.private.us.cloud-object-storage.appdomain.cloud')

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# add missing __iter__ method, so pandas accepts body as file-like object
if not hasattr(body, "__iter__"): body.__iter__ = types.MethodType(__iter__, body)

train = pd.read_csv(body)
```

Team Member 3



The screenshot shows a Jupyter Notebook interface with a browser window. The address bar indicates the notebook is running on localhost:8891. The notebook title is "jupyter Code (unsaved changes)". The interface includes a menu bar (File, Edit, View, Insert, Cell, Kernel, Widgets, Help) and a toolbar with icons for file operations, running, and saving. The code cell contains the following Python code:

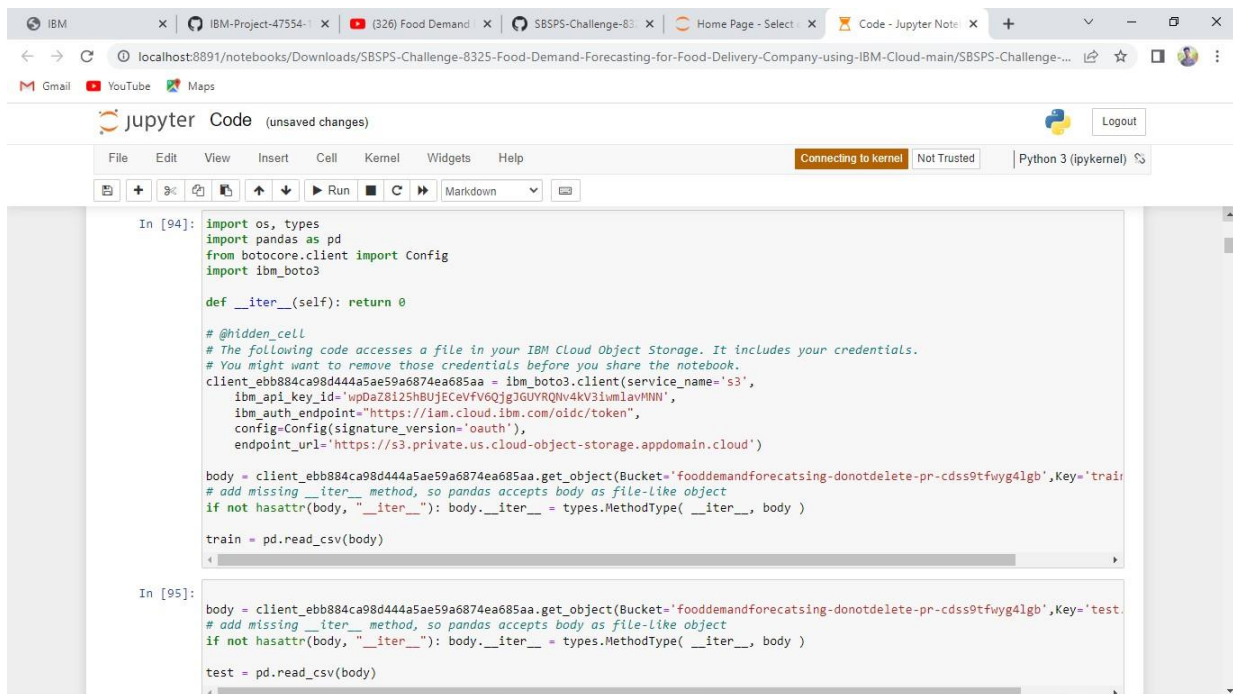
```
In [94]: import os, types
import pandas as pd
from boto3.client import Config
import ibm_boto3

def __iter__(self): return 0

# @hidden_cell
# The following code accesses a file in your IBM Cloud Object Storage. It includes your credentials.
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    ibm_auth_endpoint='https://iam.cloud.ibm.com/oidc/token',
    config=Config(signature_version='oauth'),
    endpoint_url='https://s3.private.us.cloud-object-storage.appdomain.cloud')

body = client_ebb884ca98d444a5ae59a6874ea685aa.get_object(Bucket='fooddemandforecatsing-donotdelete-pr-cdss9tfwyg4lgb',Key='train')
# add missing __iter__ method, so pandas accepts body as file-like object
if not hasattr(body, "__iter__"): body.__iter__ = types.MethodType(__iter__, body)

train = pd.read_csv(body)
```



The screenshot shows a Jupyter Notebook interface with a browser window. The address bar indicates the notebook is running on localhost:8891. The notebook title is "jupyter Code (unsaved changes)". The interface includes a menu bar (File, Edit, View, Insert, Cell, Kernel, Widgets, Help) and a toolbar with icons for file operations, running, and saving. The code cell contains the following Python code:

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    ibm_auth_endpoint='https://iam.cloud.ibm.com/oidc/token',
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body = client_ebb884ca98d444a5ae59a6874ea685aa.get_object(Bucket='fooddemandforecatsing-donotdelete-pr-cdss9tfwyg4lgb',Key='train')
# add missing __iter__ method, so pandas accepts body as file-like object
if not hasattr(body, "__iter__"): body.__iter__ = types.MethodType(__iter__, body)

train = pd.read_csv(body)
```

In [95]:

```
body = client_ebb884ca98d444a5ae59a6874ea685aa.get_object(Bucket='fooddemandforecatsing-donotdelete-pr-cdss9tfwyg4lgb',Key='test')
# add missing __iter__ method, so pandas accepts body as file-like object
if not hasattr(body, "__iter__"): body.__iter__ = types.MethodType(__iter__, body)

test = pd.read_csv(body)
```