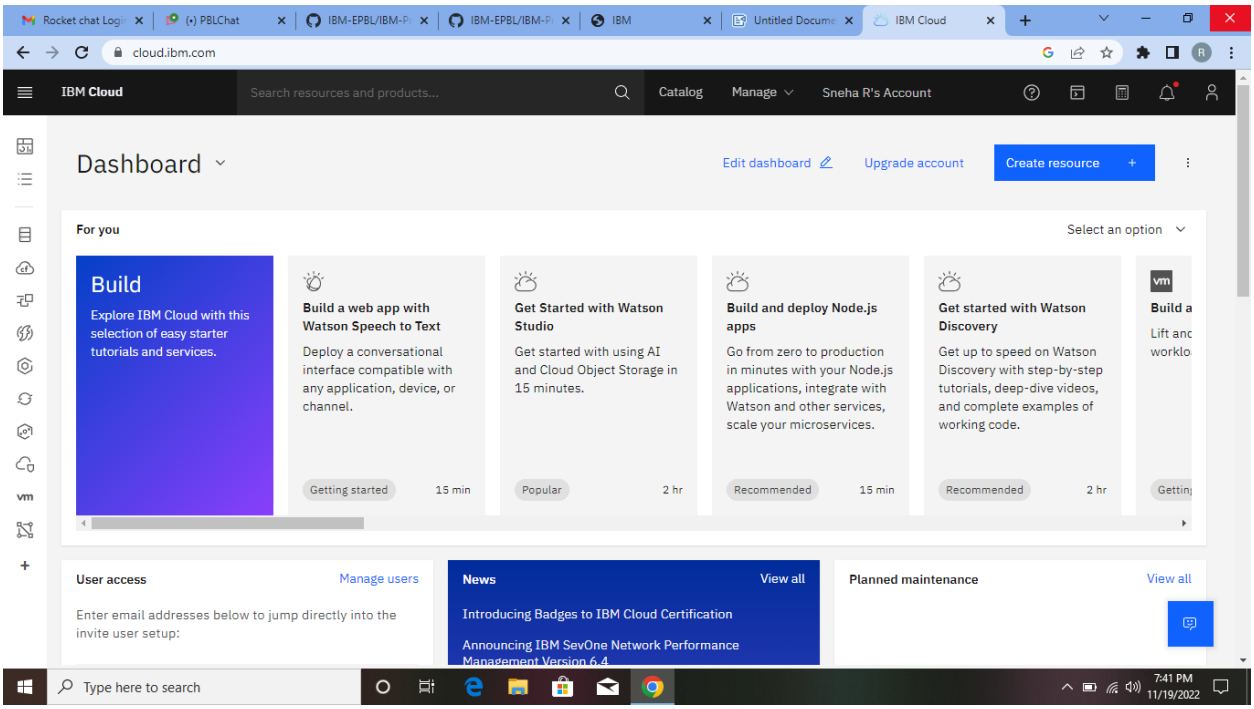
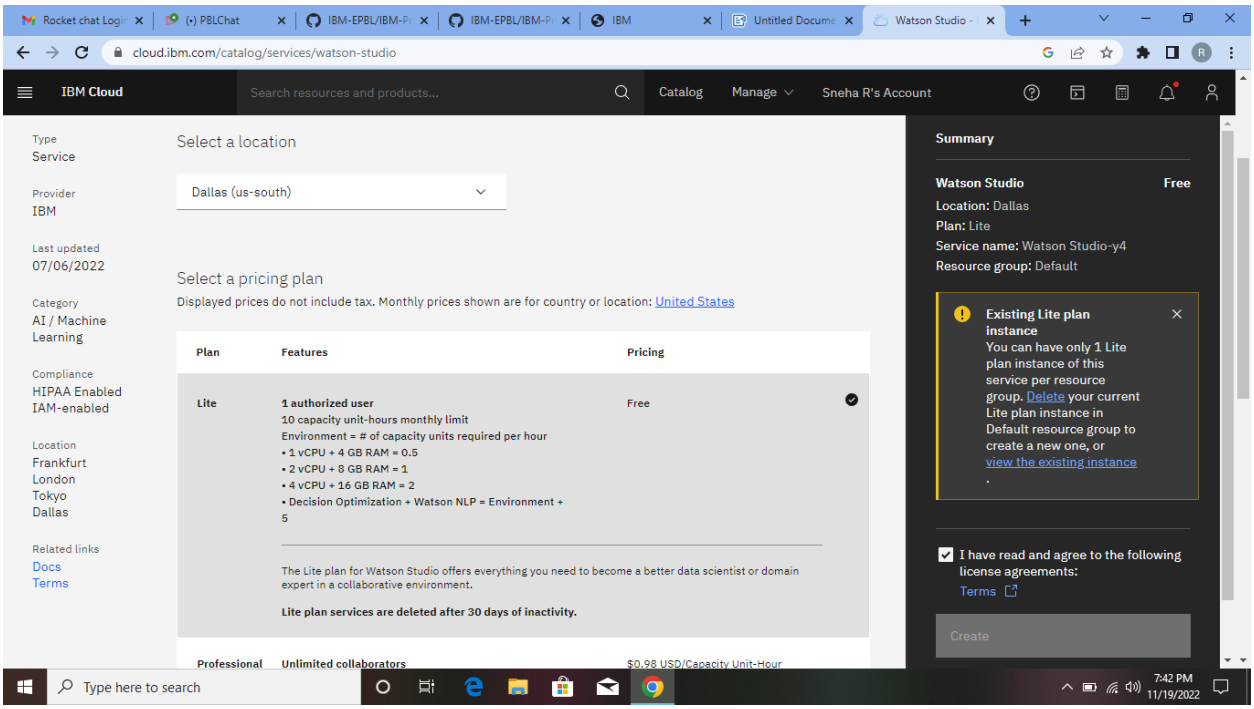
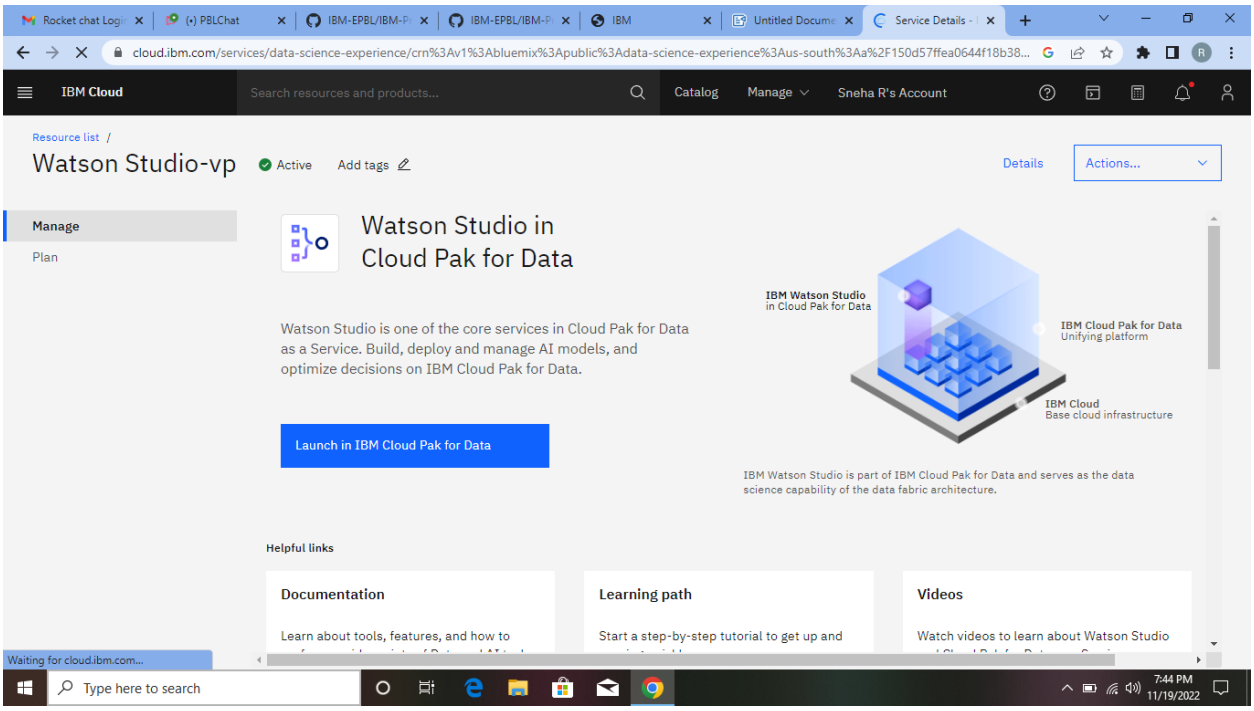
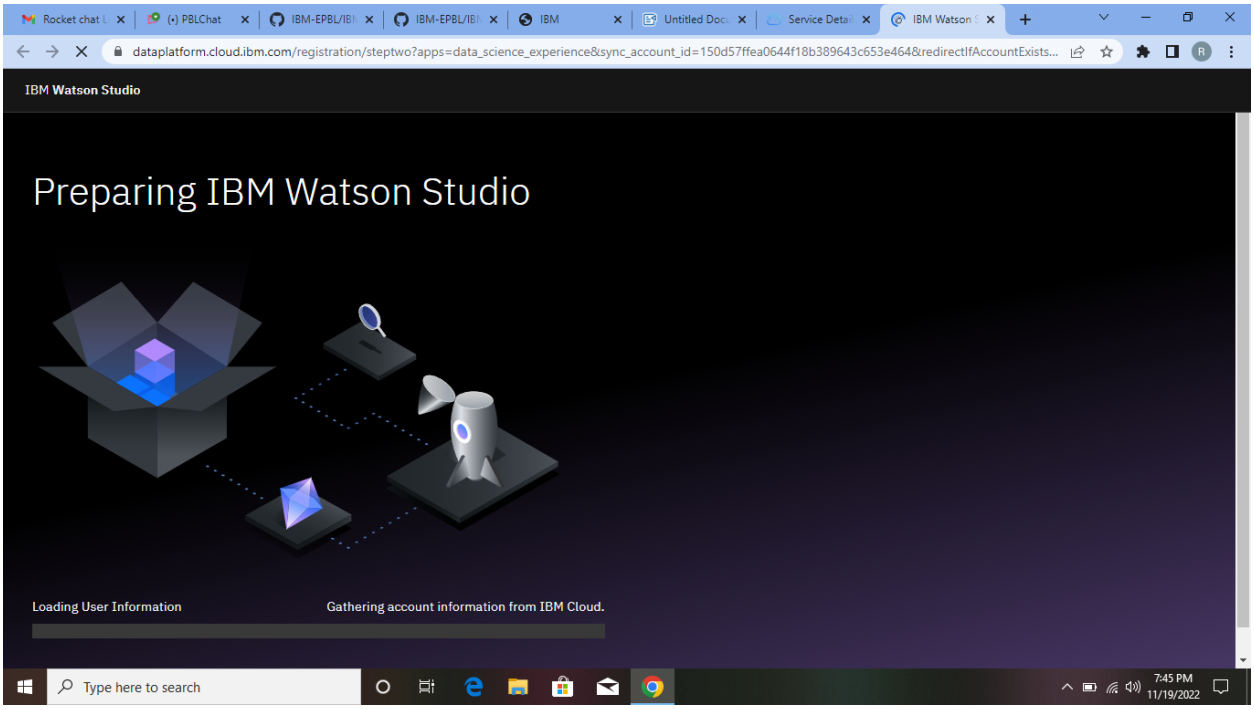
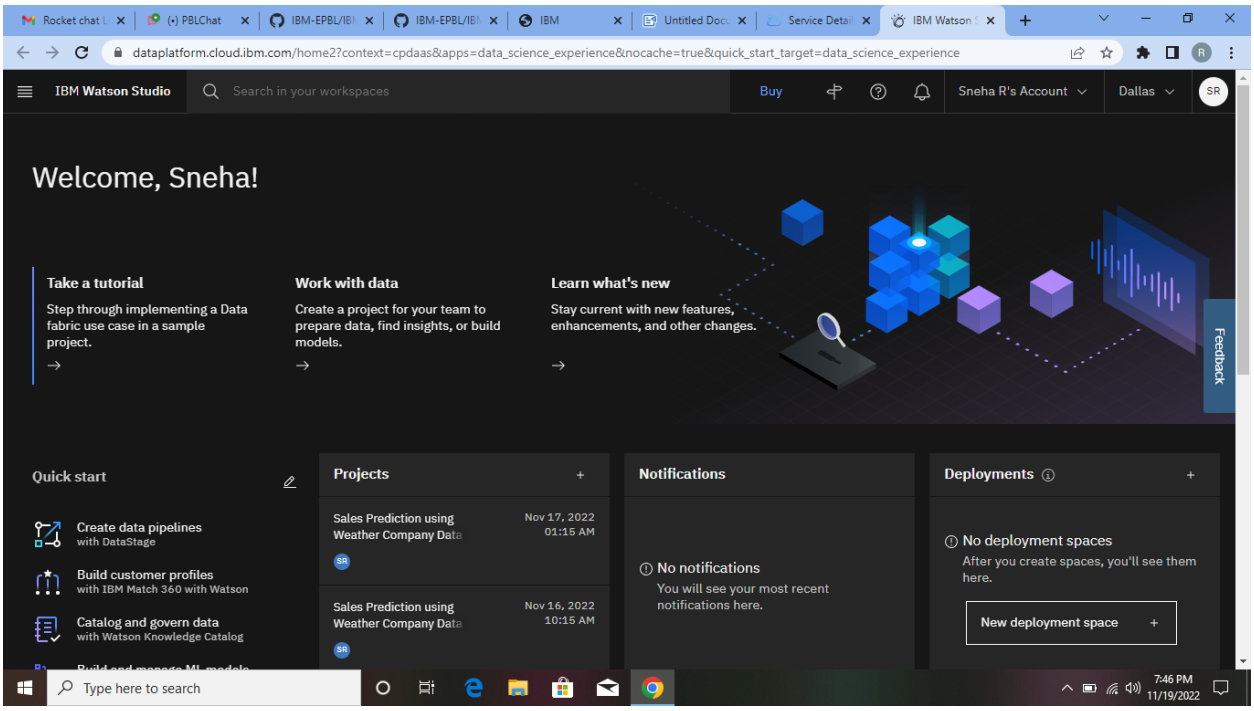
TRAIN THE IBM MODEL

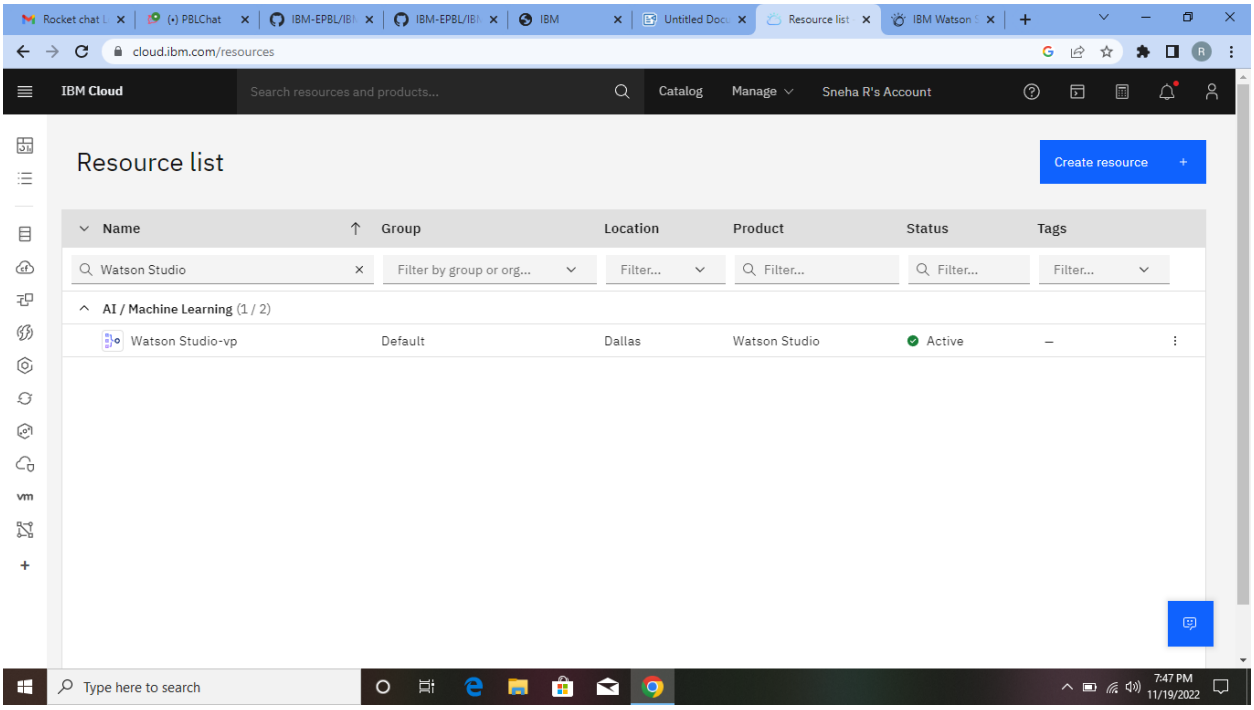


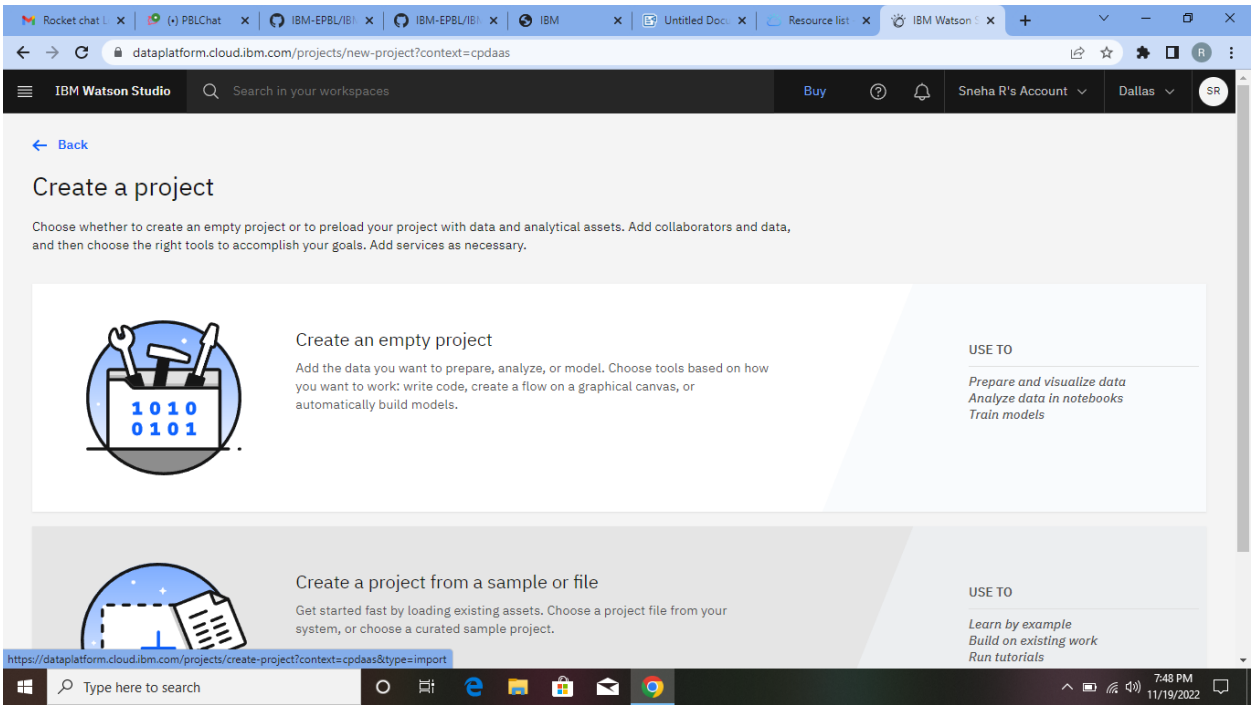



IBM Cloud
Search resources and products...
Catalog
Manage
Sneha R's Account
Resource list /
Watson Studio-vp
Active
Add tags
Details
Actions...
Manage
Plan
Watson Studio in Cloud Pak for Data
Watson Studio is one of the core services in Cloud Pak for Data as a Service. Build, deploy and manage AI models, and optimize decisions on IBM Cloud Pak for Data.
Launch in IBM Cloud Pak for Data
IBM Watson Studio in Cloud Pak for Data
IBM Cloud Pak for Data
Unifying platform
IBM Cloud
Base cloud infrastructure
IBM Watson Studio is part of IBM Cloud Pak for Data and serves as the data science capability of the data fabric architecture.
Helpful links
Documentation
Learning path
Videos
Waiting for cloud.ibm.com...
Type here to search
7:44 PM
11/19/2022


IBM Watson Studio
Preparing IBM Watson Studio
Loading User Information
Gathering account information from IBM Cloud.
Type here to search
7:45 PM
11/19/2022


IBM Watson Studio
Search in your workspaces
Buy
Sneha R's Account
Dallas
SR
Welcome, Sneha!
Take a tutorial
Step through implementing a Data fabric use case in a sample project.
Work with data
Create a project for your team to prepare data, find insights, or build models.
Learn what's new
Stay current with new features, enhancements, and other changes.
Feedback
Quick start
Create data pipelines with DataStage
Build customer profiles with IBM Match 360 with Watson
Catalog and govern data with Watson Knowledge Catalog
Projects
Sales Prediction using Weather Company Data
Nov 17, 2022 01:15 AM
Sales Prediction using Weather Company Data
Nov 16, 2022 10:15 AM
Notifications
No notifications
You will see your most recent notifications here.
Deployments
No deployment spaces
After you create spaces, you'll see them here.
New deployment space
Type here to search
7:46 PM
11/19/2022


cloud.ibm.com/resources
IBM Cloud
Search resources and products...
Catalog
Manage
Sneha R's Account
Resource list
Create resource
Name
Group
Location
Product
Status
Tags
Watson Studio
Filter by group or org...
Filter...
AI / Machine Learning (1 / 2)
Watson Studio-vp
Default
Dallas
Watson Studio
Active
Type here to search
7:47 PM
11/19/2022


dataplatform.cloud.ibm.com/projects/new-project?context=cpdaas
IBM Watson Studio
Search in your workspaces
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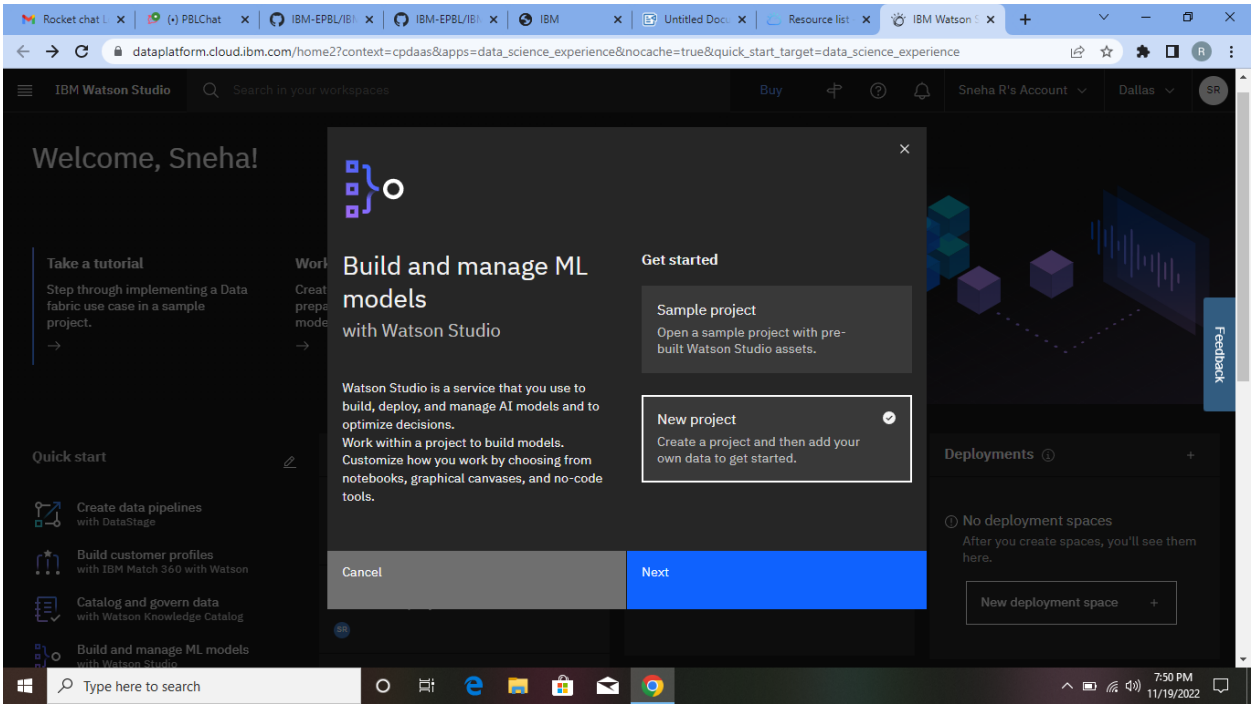
Dallas
SR
Back
Create a project
Choose whether to create an empty project or to preload your project with data and analytical assets. Add collaborators and data, and then choose the right tools to accomplish your goals. Add services as necessary.
1010
0101
Create an empty project
Add the data you want to prepare, analyze, or model. Choose tools based on how you want to work: write code, create a flow on a graphical canvas, or automatically build models.
USE TO
Prepare and visualize data
Analyze data in notebooks
Train models
Create a project from a sample or file
Get started fast by loading existing assets. Choose a project file from your system, or choose a curated sample project.
USE TO
Learn by example
Build on existing work
Run tutorials
https://dataplatform.cloud.ibm.com/projects/create-project?context=cpdaas&type=import
Type here to search
7:48 PM
11/19/2022


dataplatform.cloud.ibm.com/home2?context=cpdaas&apps=data_science_experience&nocache=true&quick_start_target=data_science_experience
IBM Watson Studio
Search in your workspaces
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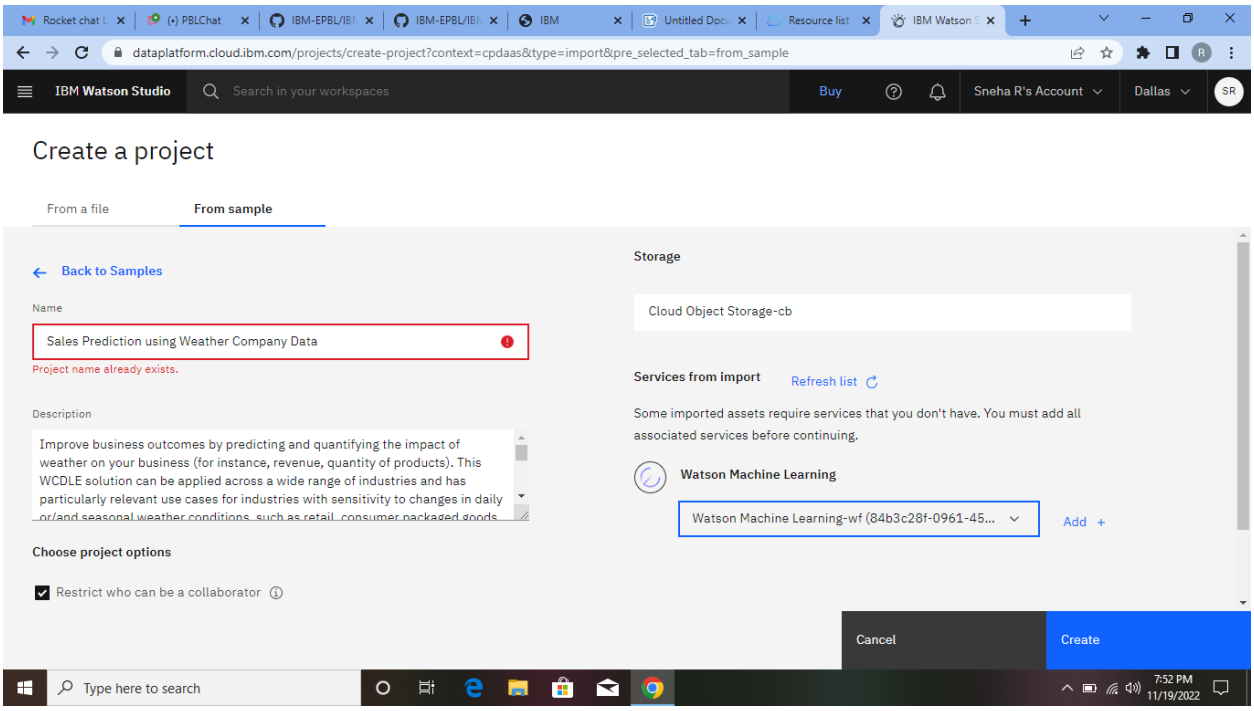
Sneha R's Account
Dallas
SR
Welcome, Sneha!
Take a tutorial
Step through implementing a Data fabric use case in a sample project.
Quick start
Create data pipelines
with DataStage
Build customer profiles
with IBM Match 360 with Watson
Catalog and govern data
with Watson Knowledge Catalog
Build and manage ML models
with Watson Studio
Build and manage ML models
with Watson Studio
Watson Studio is a service that you use to build, deploy, and manage AI models and to optimize decisions.
Work within a project to build models.
Customize how you work by choosing from notebooks, graphical canvases, and no-code tools.
Get started
Sample project
Open a sample project with pre-built Watson Studio assets.
New project
Create a project and then add your own data to get started.
Cancel
Next
Deployments
No deployment spaces
After you create spaces, you'll see them here.
New deployment space
Feedback
Type here to search
7:50 PM
11/19/2022


IBM Watson Studio
Search in your workspaces
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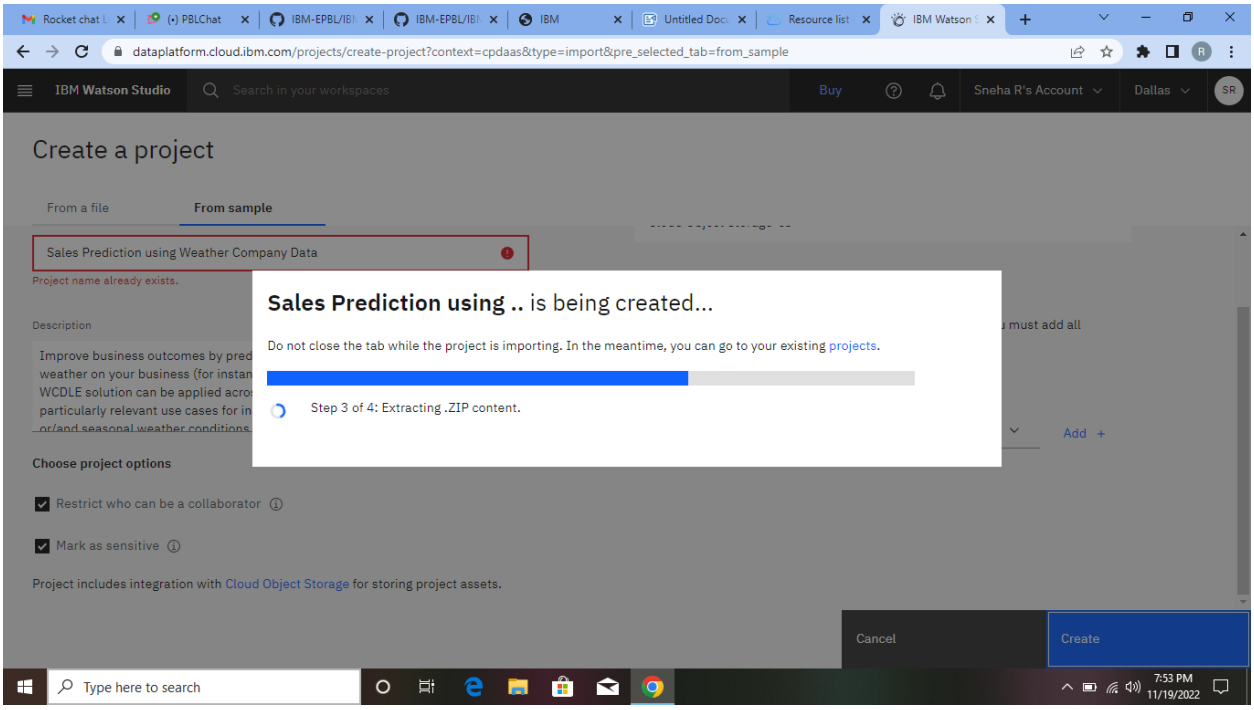
Sneha R's Account
Dallas
Create a project
From a file
From sample
Back to Samples
Name
Sales Prediction using Weather Company Data
Project name already exists.
Description
Improve business outcomes by predicting and quantifying the impact of weather on your business (for instance, revenue, quantity of products). This WCDLE solution can be applied across a wide range of industries and has particularly relevant use cases for industries with sensitivity to changes in daily
Choose project options
Restrict who can be a collaborator
Storage
Cloud Object Storage-cb
Services from import
Refresh list
Some imported assets require services that you don't have. You must add all associated services before continuing.
Watson Machine Learning
Watson Machine Learning-wf (84b3c28f-0961-45...
Add +
Cancel
Create
Type here to search
7:52 PM
11/19/2022


IBM Watson Studio
Search in your workspaces
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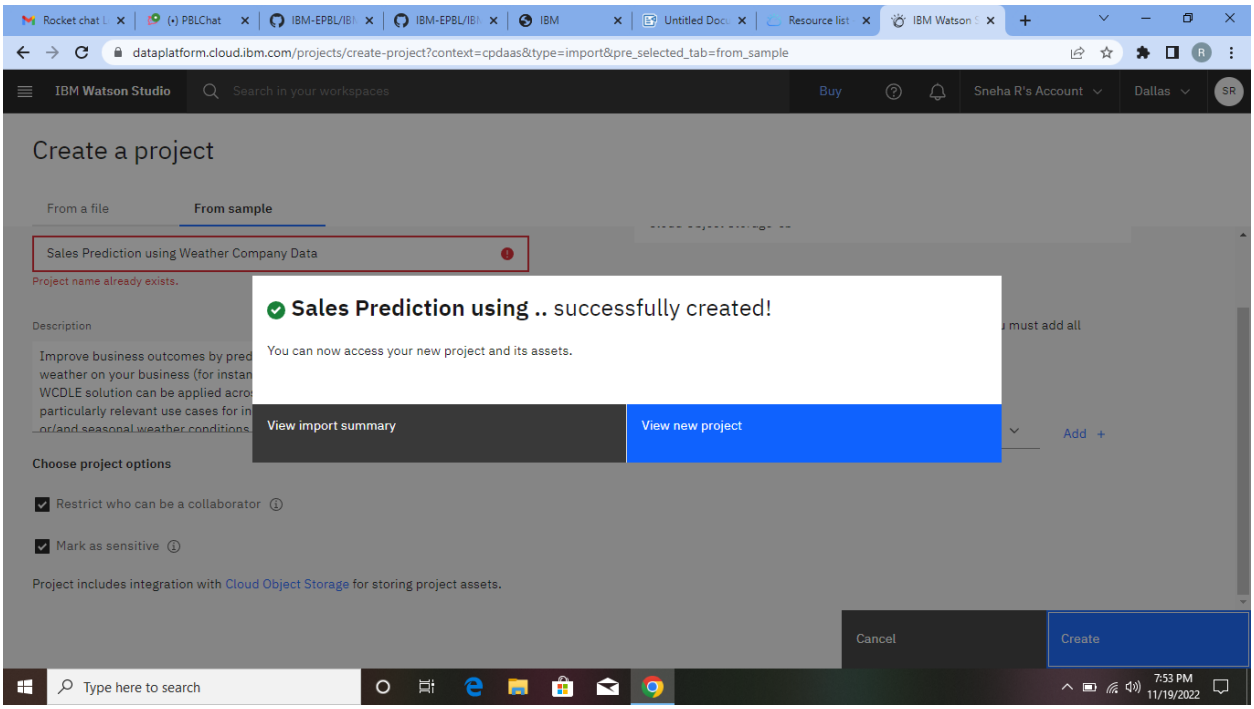
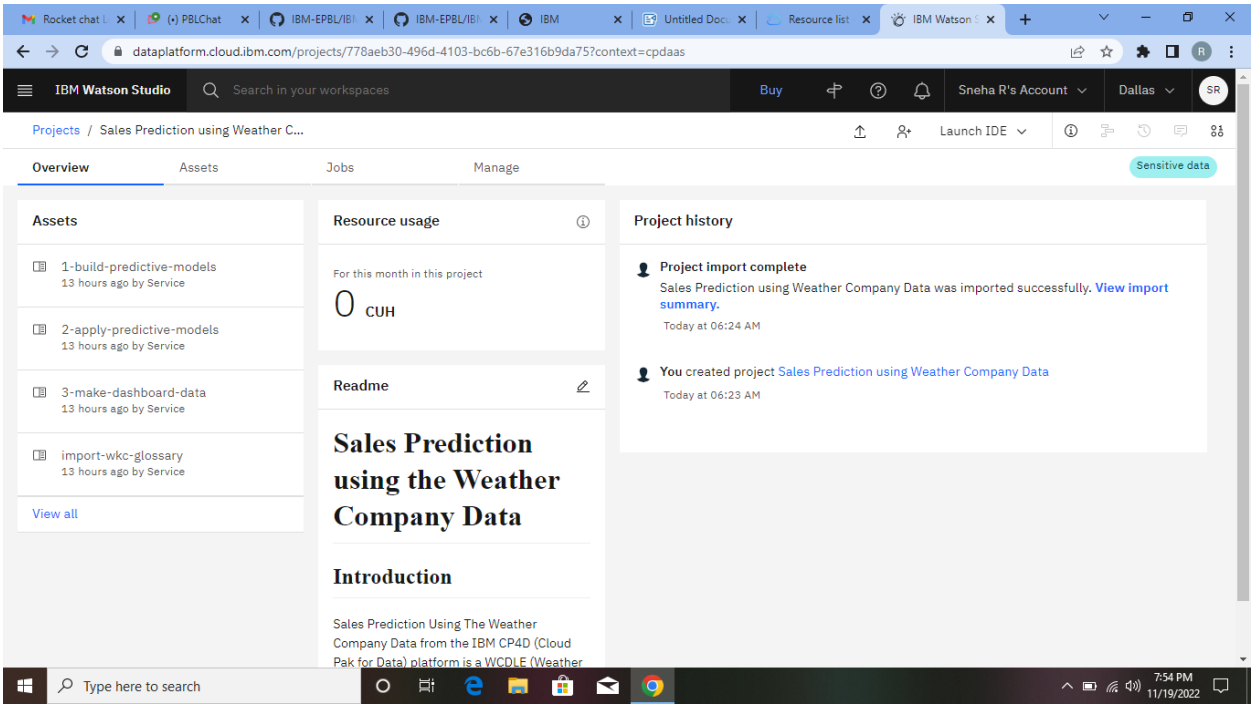
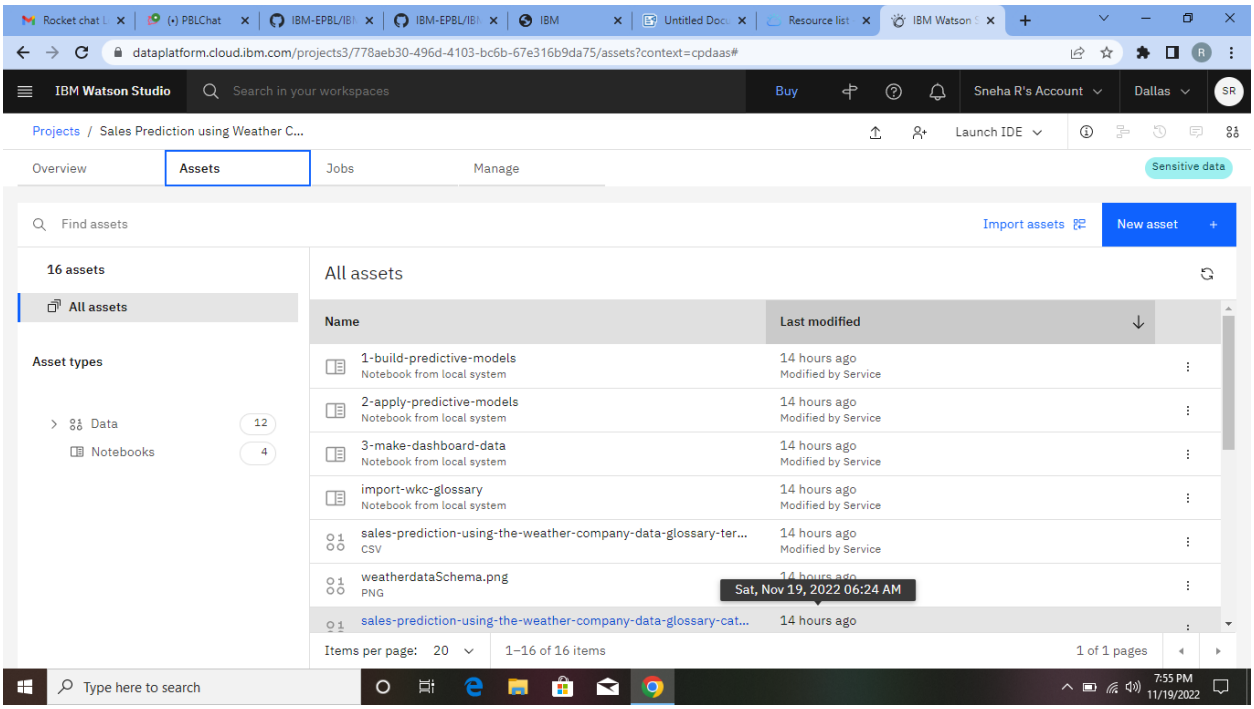
Dallas
Create a project
From a file
From sample
Sales Prediction using Weather Company Data
Project name already exists.
Description
Sales Prediction using .. is being created...
Do not close the tab while the project is importing. In the meantime, you can go to your existing projects.
Step 3 of 4: Extracting .ZIP content.
Add +
Choose project options
Restrict who can be a collaborator
Mark as sensitive
Project includes integration with Cloud Object Storage for storing project assets.
Cancel
Create
Type here to search
7:53 PM
11/19/2022


IBM Watson Studio
Create a project
From a file
From sample
Sales Prediction using Weather Company Data
Project name already exists.
Sales Prediction using .. successfully created!
You can now access your new project and its assets.
View import summary
View new project
Choose project options
Restrict who can be a collaborator
Mark as sensitive
Project includes integration with Cloud Object Storage for storing project assets.
Cancel
Create


IBM Watson Studio
Projects / Sales Prediction using Weather C...
Launch IDE
Overview
Assets
Jobs
Manage
Sensitive data
Assets
1-build-predictive-models
13 hours ago by Service
2-apply-predictive-models
13 hours ago by Service
3-make-dashboard-data
13 hours ago by Service
import-wkc-glossary
13 hours ago by Service
View all
Resource usage
For this month in this project
0 CUH
Readme
Sales Prediction using the Weather Company Data
Introduction
Sales Prediction Using The Weather Company Data from the IBM CP4D (Cloud Pak for Data) platform is a WCDLE (Weather
Project history
Project import complete
Sales Prediction using Weather Company Data was imported successfully. View import summary.
Today at 06:24 AM
You created project Sales Prediction using Weather Company Data
Today at 06:23 AM


IBM Watson Studio
Search in your workspaces
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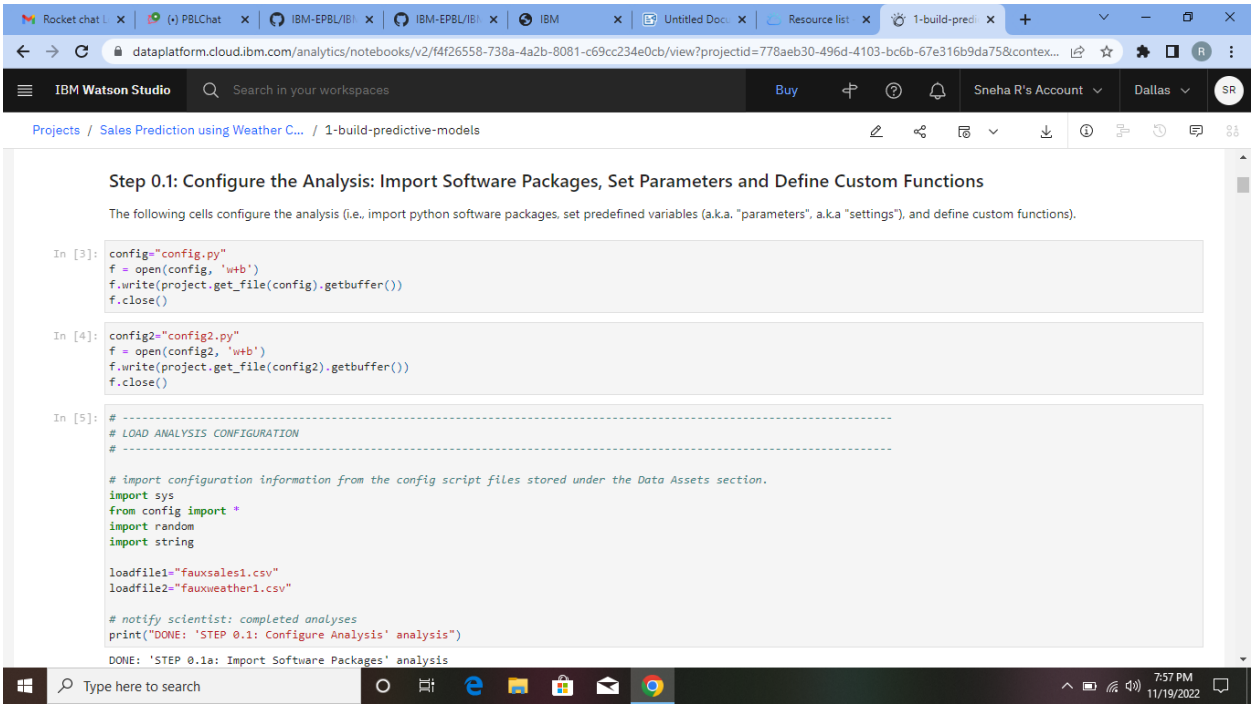
Sneha R's Account
Dallas
Projects / Sales Prediction using Weather C...
Launch IDE
Overview
Assets
Jobs
Manage
Sensitive data
Find assets
Import assets
New asset
16 assets
All assets
Asset types
Data 12
Notebooks 4
All assets
Name
Last modified
1-build-predictive-models
Notebook from local system
14 hours ago
Modified by Service
2-apply-predictive-models
Notebook from local system
14 hours ago
Modified by Service
3-make-dashboard-data
Notebook from local system
14 hours ago
Modified by Service
import-wkc-glossary
Notebook from local system
14 hours ago
Modified by Service
sales-prediction-using-the-weather-company-data-glossary-ter...
CSV
14 hours ago
Modified by Service
weatherdataSchema.png
PNG
Sat, Nov 19, 2022 06:24 AM
sales-prediction-using-the-weather-company-data-glossary-cat...
14 hours ago
Items per page: 20
1–16 of 16 items
1 of 1 pages
Type here to search
7:55 PM
11/19/2022


IBM Watson Studio
Search in your workspaces
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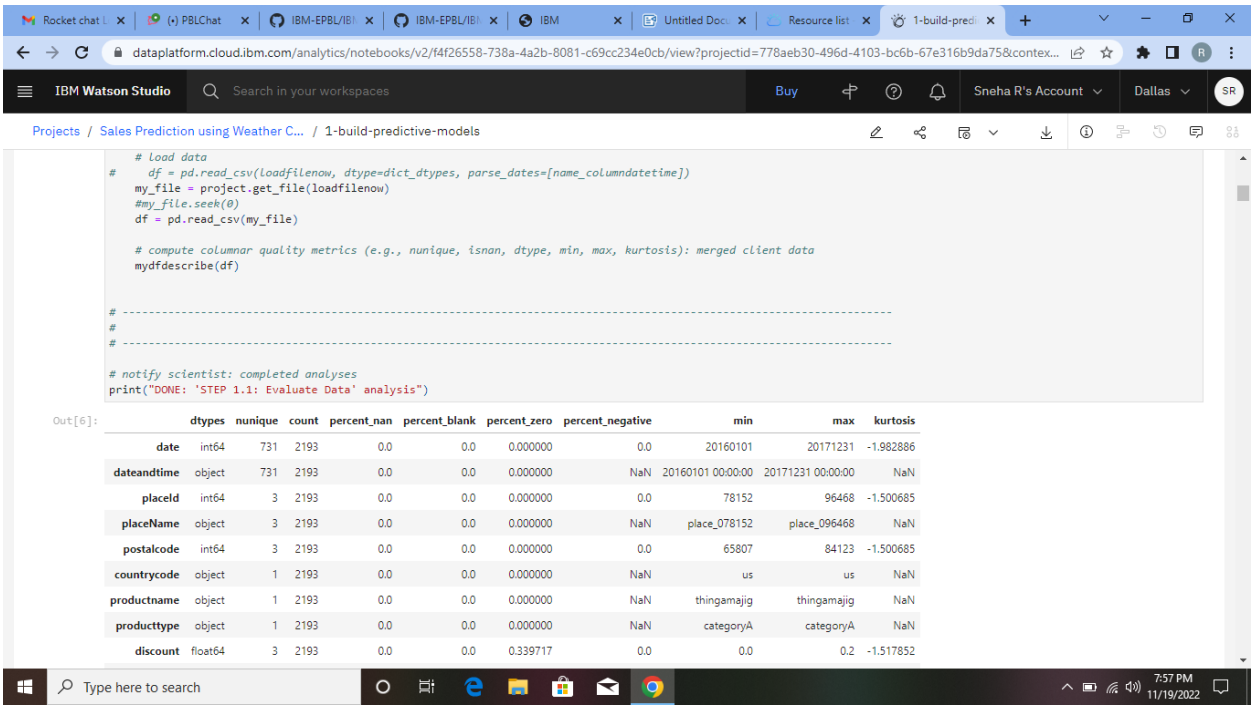
Sneha R's Account
Dallas
Projects / Sales Prediction using Weather C... / 1-build-predictive-models
Step 0.1: Configure the Analysis: Import Software Packages, Set Parameters and Define Custom Functions
The following cells configure the analysis (i.e., import python software packages, set predefined variables (a.k.a. "parameters", a.k.a "settings"), and define custom functions).
In [3]:
config="config.py"
f = open(config, 'w+b')
f.write(project.get_file(config).getbuffer())
f.close()
In [4]:
config2="config2.py"
f = open(config2, 'w+b')
f.write(project.get_file(config2).getbuffer())
f.close()
In [5]:
# ----------
# LOAD ANALYSIS CONFIGURATION
# ----------
# import configuration information from the config script files stored under the Data Assets section.
import sys
from config import *
import random
import string
loadfile1="fauxsales1.csv"
loadfile2="fauxweather1.csv"
# notify scientist: completed analyses
print("DONE: 'STEP 0.1: Configure Analysis' analysis")
DONE: 'STEP 0.1a: Import Software Packages' analysis
Type here to search
7:57 PM
11/19/2022



	dtypes	nunique	count	percent_nan	percent_blank	percent_zero	percent_negative	min	max	kurtosis
date	int64	731	2193	0.0	0.0	0.000000	0.0	20160101	20171231	-1.982886
dateandtime	object	731	2193	0.0	0.0	0.000000	NaN	20160101 00:00:00	20171231 00:00:00	NaN
placeId	int64	3	2193	0.0	0.0	0.000000	0.0	78152	96468	-1.500685
placeName	object	3	2193	0.0	0.0	0.000000	NaN	place_078152	place_096468	NaN
postalcode	int64	3	2193	0.0	0.0	0.000000	0.0	65807	84123	-1.500685
countrycode	object	1	2193	0.0	0.0	0.000000	NaN	us	us	NaN
productname	object	1	2193	0.0	0.0	0.000000	NaN	thingamajig	thingamajig	NaN
producttype	object	1	2193	0.0	0.0	0.000000	NaN	categoryA	categoryA	NaN
discount	float64	3	2193	0.0	0.0	0.339717	0.0	0.0	0.2	-1.517852