

Project Development Phase

Delivery of Sprint-1

Date	08 November 2022
Team ID	PNT2022TMID05132
Project Name	GLOBAL SALES DATA ANALYTICS
Team Members	ABISEKH M -(921319106005) ABDUSH SAMAD M-(921319106002) ABIKRISHNA M - (921319106003) ARAVINDAN N - (921319106020)

PROJECT DEVELOPMENT PHASE:

UNDERSTANDING THE PROJECT

The screenshot shows a web application interface for a project titled "Global Sales Data Analytics". The browser address bar displays the URL: https://careereducation.smartinternz.com/Student/guided_project_workspace/8106. On the left side, there is a vertical navigation menu with several items: "Solution Requirements", "Project Objectives", "Project Flow", "IBM Cloud Account", "IBM Cognos Analytics", "Working With The Dataset" (which is expanded to show "Understanding The Dataset", "Dataset", "Loading The Dataset", and "Prepare The Datasets"), "Data Visualization Charts", and "Ideation Phase". The main content area on the right is titled "Global Sales Data Analytics" and includes the following information:

- Category:** Data Analytics
- Skills Required:** Exploratory Data Analysis, IBM Cloud
- Project Description:** Shopping online is currently the need of the hour. Because of this COVID, it's not easy to walk in a store randomly and buy anything you want. So, try to understand a few things like, Customer Analysis and Product Analysis of this Global Super Store.
- Technical Architecture :** (The content is partially obscured by a horizontal bar)

DOWNLOADING DATASET FROM KAGGLE:

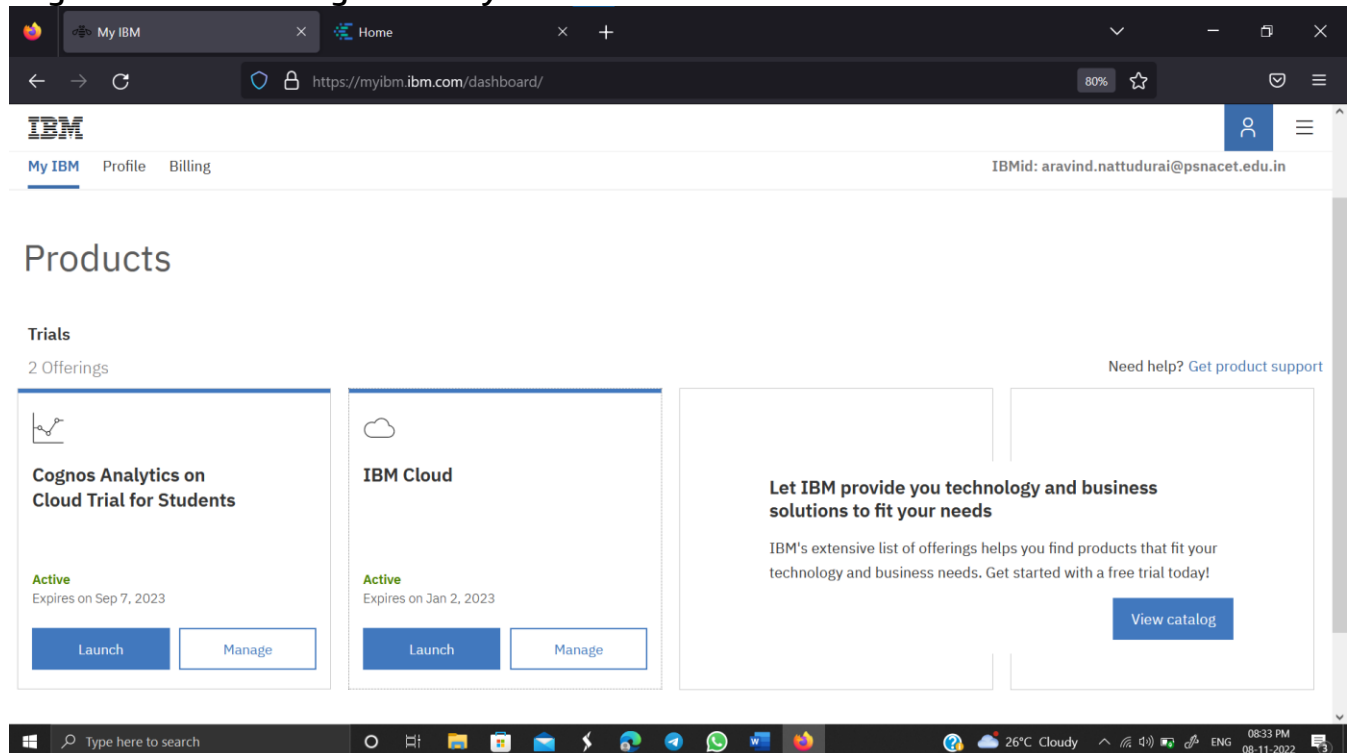
The screenshot shows the Kaggle dataset page for 'Global Super Store Dataset' by Apoorva Mahalingappa, updated 2 years ago. The page has a dark theme and includes a search bar, a sidebar with navigation icons, and a main content area. The dataset is described as 'Consumer and product Analytics on Global Super Store Data.' and has 56 versions. A 'Download (12 MB)' button is visible. The 'About Dataset' section is expanded, showing 'Usability' (8.24) and 'License'. A shopping cart image is shown on the right. The Windows taskbar at the bottom shows the time as 08:25 PM on 08-11-2022.

DATA COLLECTION:

The screenshot shows an Excel spreadsheet titled 'Global_Superstore2 - Excel'. The spreadsheet contains a table with columns for Order ID, Order Date, Ship Date, Ship Mode, Customer, Customer Segment, City, State, Country, Postal Code, Market, Region, Product ID, Category, Sub-Category, Product Name, Sales, Quantity, Discount, Profit, and Shipping Cost. The data is organized into rows, with the first row being a header and subsequent rows containing individual transaction records. The spreadsheet is displayed in a standard Excel interface with a ribbon at the top and a status bar at the bottom.

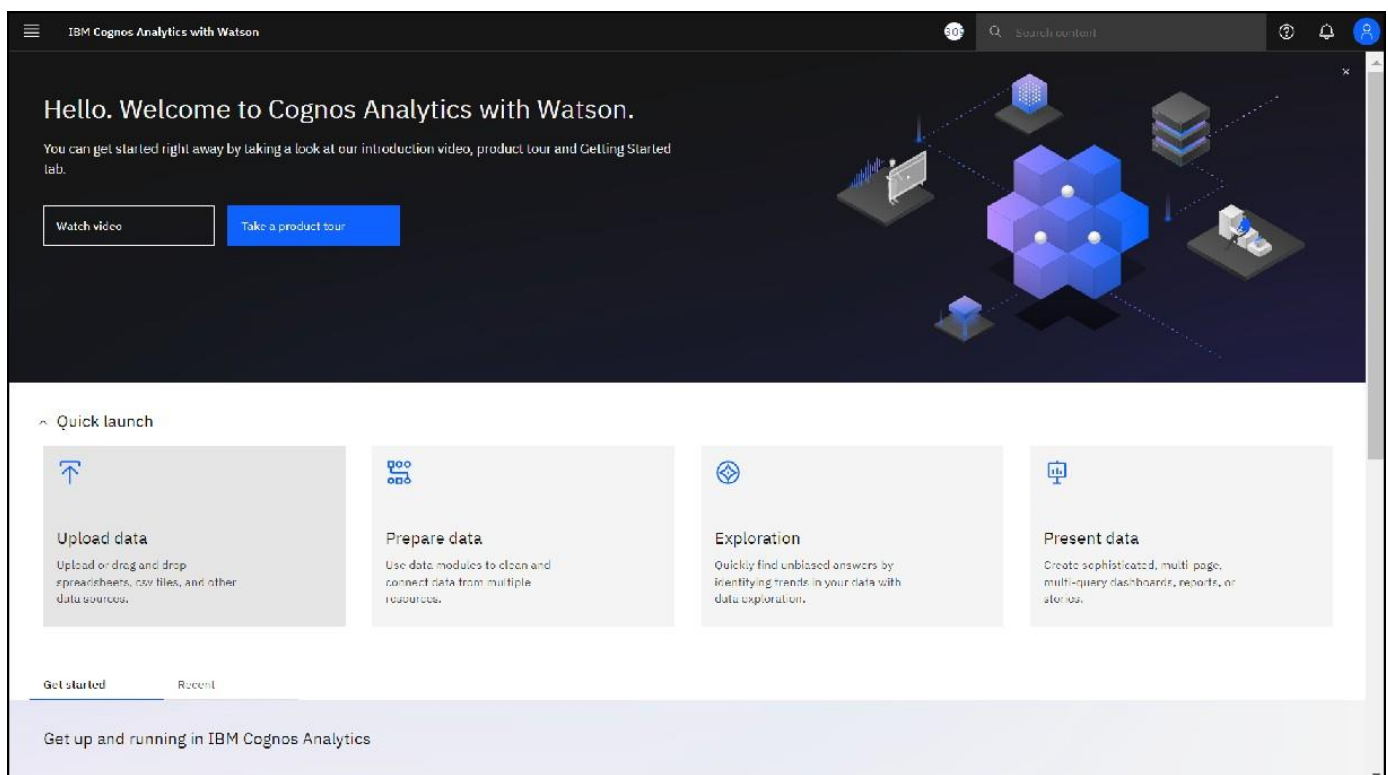
Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer	Customer Segment	City	State	Country	Postal Code	Market	Region	Product ID	Category	Sub-Category	Product Name	Sales	Quantity	Discount	Profit	Shipping Cost
1	32298	CA-2012-1 31-07-2012	31-07-2012	Same Day	RH-19495	Rick Hans Consumer	New York	New York	United States	10024	US	East	TEC-AC-1C	Technology	Accessories	Plantronics	2309.65	7	0	762.1845	933.57
2	26341	IN-2013-7 05-02-2013	07-02-2013	Second Class	JR-16210	Justin Ritter Corporate	Wollongong	New South Wales	Australia		APAC	Oceania	FUR-CH-1C	Furniture	Chairs	Novimex E	3709.395	9	0.1	-288.765	923.63
3	25330	IN-2013-7 17-10-2013	18-10-2013	First Class	CR-12730	Craig Reite Consumer	Brisbane	Queensland	Australia		APAC	Oceania	TEC-PH-1C	Technology	Phones	Nokia Sme	5175.171	9	0.1	919.971	915.49
4	13524	ES-2013-1 28-01-2013	30-01-2013	First Class	KM-16375	Katherine Home	Offi Berlin	Berlin	Germany		EU	Central	TEC-PH-1C	Technology	Phones	Motorola	2892.51	5	0.1	-96.54	910.16
5	47221	SG-2013-4 05-11-2013	06-11-2013	Same Day	RH-9495	Rick Hans Consumer	Dakar	Dakar	Senegal		Africa	Africa	TEC-SHA-1C	Technology	Copiers	Sharp Wirr	2832.96	8	0	311.52	903.04
6	22732	IN-2013-4 28-06-2013	01-07-2013	Second Class	JM-15655	Jim Mitchi Corporate	Sydney	New South Wales	Australia		APAC	Oceania	TEC-PH-1C	Technology	Phones	Samsung S	2862.675	5	0.1	763.275	897.35
7	30570	IN-2011-8 07-11-2011	09-11-2011	First Class	TS-21340	Toby Swin Consumer	Porirua	Wellington	New Zealand		APAC	Oceania	FUR-CH-1C	Furniture	Chairs	Novimex E	1822.08	4	0	564.84	894.77
8	31192	IN-2012-8 14-04-2012	18-04-2012	Standard Class	MB-18085	Mick Brown Consumer	Hamilton	Waikato	New Zealand		APAC	Oceania	FUR-TA-1C	Furniture	Tables	Chromcraft	5244.84	6	0	996.48	878.38
9	40155	CA-2014-1 14-10-2014	21-10-2014	Standard Class	JW-15220	Jane Wact Corporate	Sacramento	California	United States	95823	US	West	OFF-BI-1C	Office Supplies	Binders	Fellowes P	5083.96	5	0.2	1906.485	867.69
10	40936	CA-2012-1 28-01-2012	31-01-2012	Second Class	JH-15985	Joseph Ho Consumer	Concord	North Carolina	United States	28027	US	South	FUR-TA-1C	Furniture	Tables	Chromcraft	4297.644	13	0.4	-1862.31	865.74
12	34577	CA-2011-1 05-04-2011	09-04-2011	Second Class	GM-14695	Greg Maxi Corporate	Alexandria	Virginia	United States	22304	US	South	OFF-SU-1C	Office Supplies	Supplies	Martin Yal	4164.05	5	0	83.281	846.54
13	28879	ID-2012-2 19-04-2012	22-04-2012	First Class	AJ-10780	Anthony Ji Corporate	Kabul	Kabul	Afghanistan		APAC	Central Asia	FUR-TA-1C	Furniture	Tables	Bevis Conf	4626.15	5	0	647.55	835.57
14	45794	SA-2011-1 27-12-2011	29-12-2011	Second Class	MM-7260	Magdeleni Consumer	Jizan	Jizan	Saudi Arabia		EMEA	EMEA	TEC-CIS-1C	Technology	Phones	Cisco Sma	2616.96	4	0	1151.4	832.41
15	4132	MX-2012-1 13-11-2012	13-11-2012	Same Day	VF-21715	Vicky Frey Home	Offi Toledo	Parana	Brazil		LATAM	South	FUR-CH-1C	Furniture	Chairs	Harbour C	2221.8	7	0	622.02	810.25
16	27770	IN-2013-7 06-06-2013	08-06-2013	Second Class	BP-19120	Ben Putter Corporate	Mudanjiang	Heilongjiang	China		APAC	North Asia	OFF-AP-1C	Office Supplies	Appliances	KitchenAid	3701.52	12	0	1036.08	804.54
17	13779	ES-2014-1 01-07-2014	03-07-2014	Second Class	PF-11185	Ben Feller Corporate	Paris	Ile-de-Frai	France		EU	Central	OFF-AP-1C	Office Supplies	Appliances	Breville Re	1869.588	4	0.1	186.948	801.66
18	36178	CA-2014-1 03-11-2014	06-11-2014	Standard Class	TB-21175	Thomas Bi Corporate	Henderson	Kentucky	United States	42420	US	South	TEC-AC-1C	Technology	Accessories	Logitech d	2249.91	9	0	517.4793	780.7
19	12069	ES-2014-1 08-09-2014	14-09-2014	Standard Class	PJ-18835	Patrick Jor Corporate	Prato	Tuscany	Italy		EU	South	OFF-AP-1C	Office Supplies	Appliances	Hoover Stv	7958.58	14	0	3979.08	778.32
20	22096	IN-2014-1 31-01-2014	01-02-2014	First Class	IS-15685	Jim Sink Corporate	Townsville	Queensland	Australia		APAC	Oceania	TEC-CO-1C	Technology	Copiers	Brother Fa	2565.594	9	0.1	28.404	766.93
21	49463	TZ-2014-8 05-12-2014	07-12-2014	Second Class	RH-9555	Ritsa High Consumer	Uvinza	Kigoma	Tanzania		Africa	Africa	OFF-KIT-1C	Office Supplies	Appliances	KitchenAid	3409.74	6	0	818.28	763.38
22	46630	PL-2012-7 08-08-2012	10-08-2012	First Class	AB-600	Ann Blume Corporate	Bytom	Silesia	Poland		EMEA	EMEA	FUR-HON-1C	Furniture	Tables	Hon Comp	1977.72	4	0	276.84	759.47
23	31784	CA-2011-1 29-10-2011	31-10-2011	First Class	SA-20830	Sue Ann R Consumer	Chicago	Illinois	United States	60610	US	Central	TEC-PH-1C	Technology	Phones	Apple iPho	2735.952	6	0.2	341.994	752.51
24	21586	IN-2011-4 02-05-2011	03-05-2011	First Class	KL-15325	Jason Klan Corporate	Suzhou	Anhui	China		APAC	North Asia	FUR-CH-1C	Furniture	Chairs	SAFCO Exc	2754	6	0	358.02	752.47
25	13528	ES-2013-2 27-02-2013	01-03-2013	Second Class	LB-16795	Laurel Bell Home	Offi Edinburgh	Scotland	United Kingdom		EU	North	OFF-AP-1C	Office Supplies	Appliances	KitchenAid	5273.7	10	0	1898.4	730.91
26	1570	US-2014-1 31-07-2014	01-08-2014	First Class	NP-18325	Naresj Pat Consumer	Juárez	Chihuahua	Mexico		LATAM	North	TEC-PH-1C	Technology	Phones	Motorola	1713.84	4	0	445.52	728.97

Login into the IBM Cognos Analytics Account

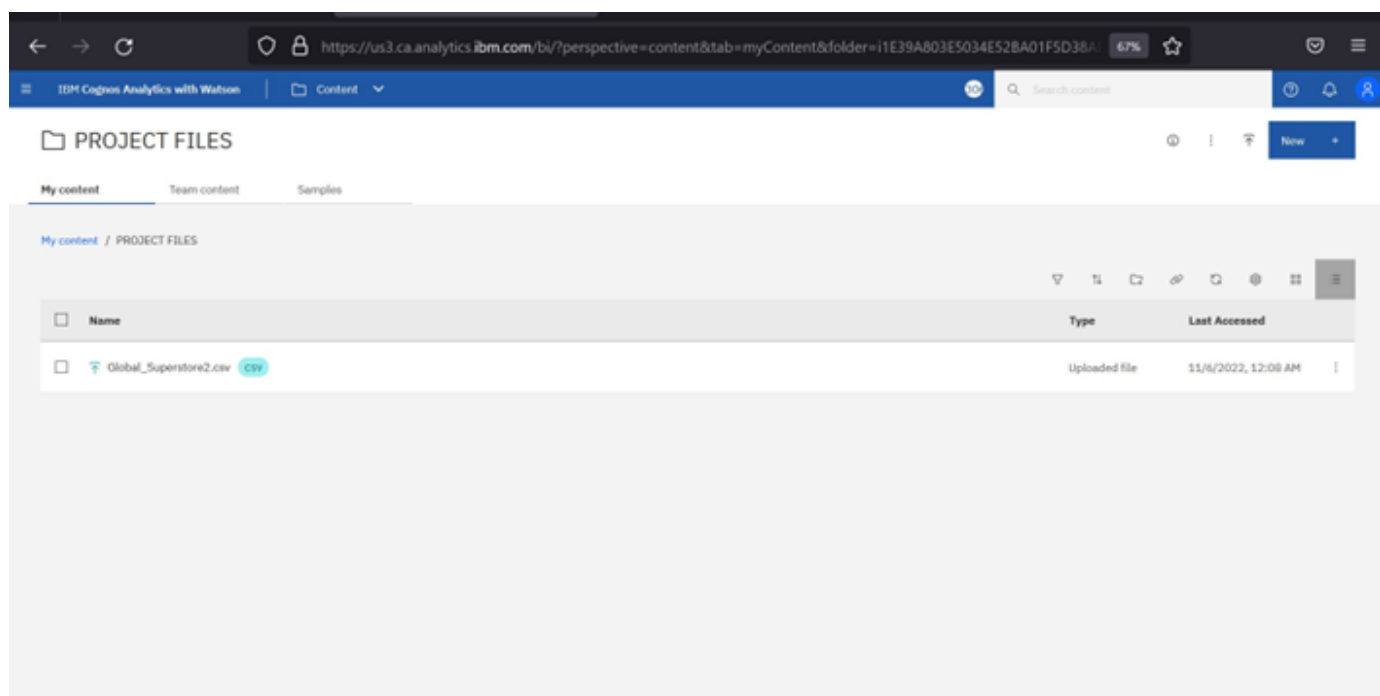


The screenshot shows a web browser window with the URL <https://myibm.ibm.com/dashboard/>. The page header includes the IBM logo, navigation links for 'My IBM', 'Profile', and 'Billing', and a user ID: 'IBMid: aravind.nattudurai@psnacet.edu.in'. The main section is titled 'Products' and displays 'Trials' with '2 Offerings'. Two trial cards are visible: 'Cognos Analytics on Cloud Trial for Students' (Active, Expires on Sep 7, 2023) and 'IBM Cloud' (Active, Expires on Jan 2, 2023). Each card has 'Launch' and 'Manage' buttons. A 'View catalog' button is also present. A 'Need help? Get product support' link is in the top right. The Windows taskbar at the bottom shows the time as 08:33 PM on 08-11-2022.

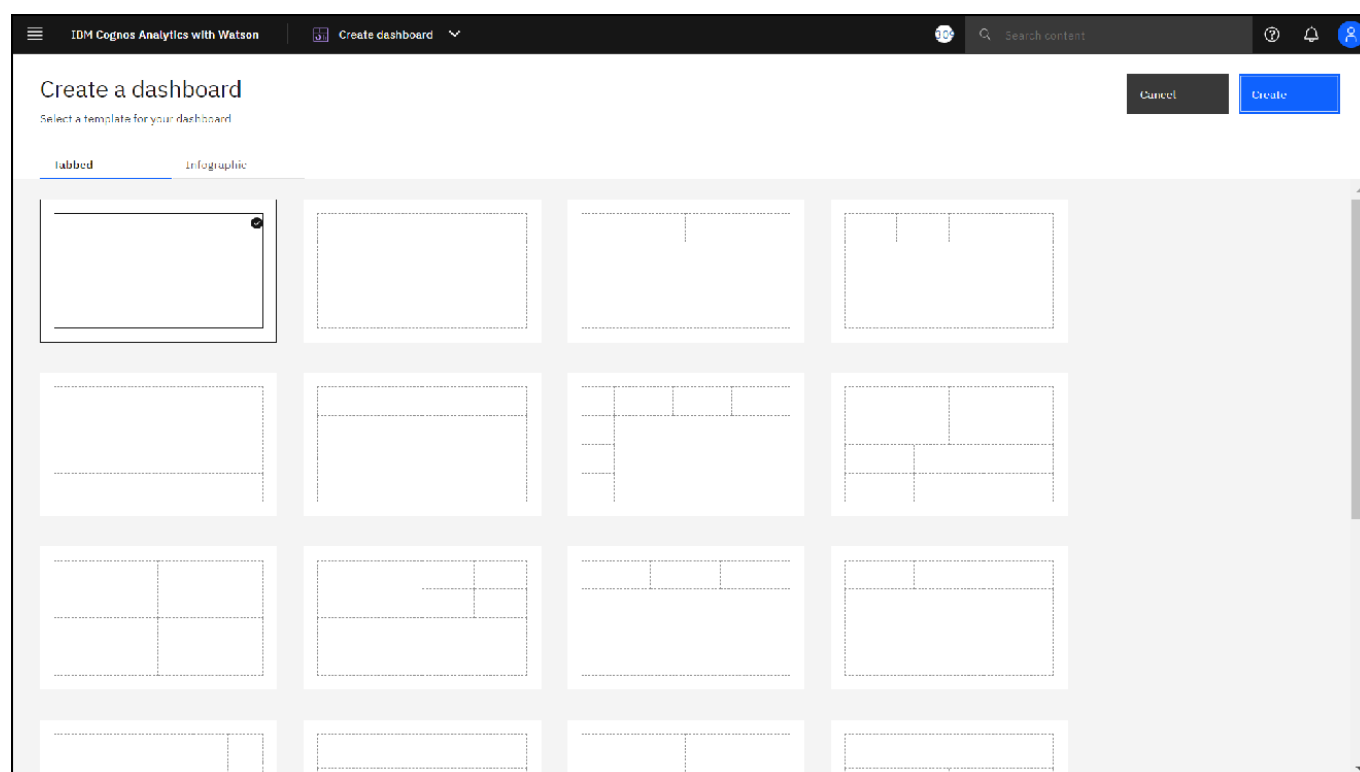
UPLOADING DATASET IN IBM COGNOS ANALYTICS:



The screenshot shows the 'IBM Cognos Analytics with Watson' dashboard. The header includes a search bar and user profile. The main content area has a welcome message: 'Hello. Welcome to Cognos Analytics with Watson.' and links to 'Watch video' and 'Take a product tour'. Below this is a 'Quick launch' section with four cards: 'Upload data' (Upload or drag and drop spreadsheets, csv files, and other data sources), 'Prepare data' (Use data modules to clean and connect data from multiple resources), 'Exploration' (Quickly find unbiased answers by identifying trends in your data with data exploration), and 'Present data' (Create sophisticated, multi-page, multi-query dashboards, reports, or stories). At the bottom, there are tabs for 'Get started' and 'Recent', with a section titled 'Get up and running in IBM Cognos Analytics'.



CREATING NEW DASHBOARD:



UNDERSTANDING THE DATASET:

