

Project Development Phase

Sprint 1

Date	29 October 2022
Team ID	PNT2022TMID23401
Project Name	A New hint to transportation – Analysis of the NYC bike share system.

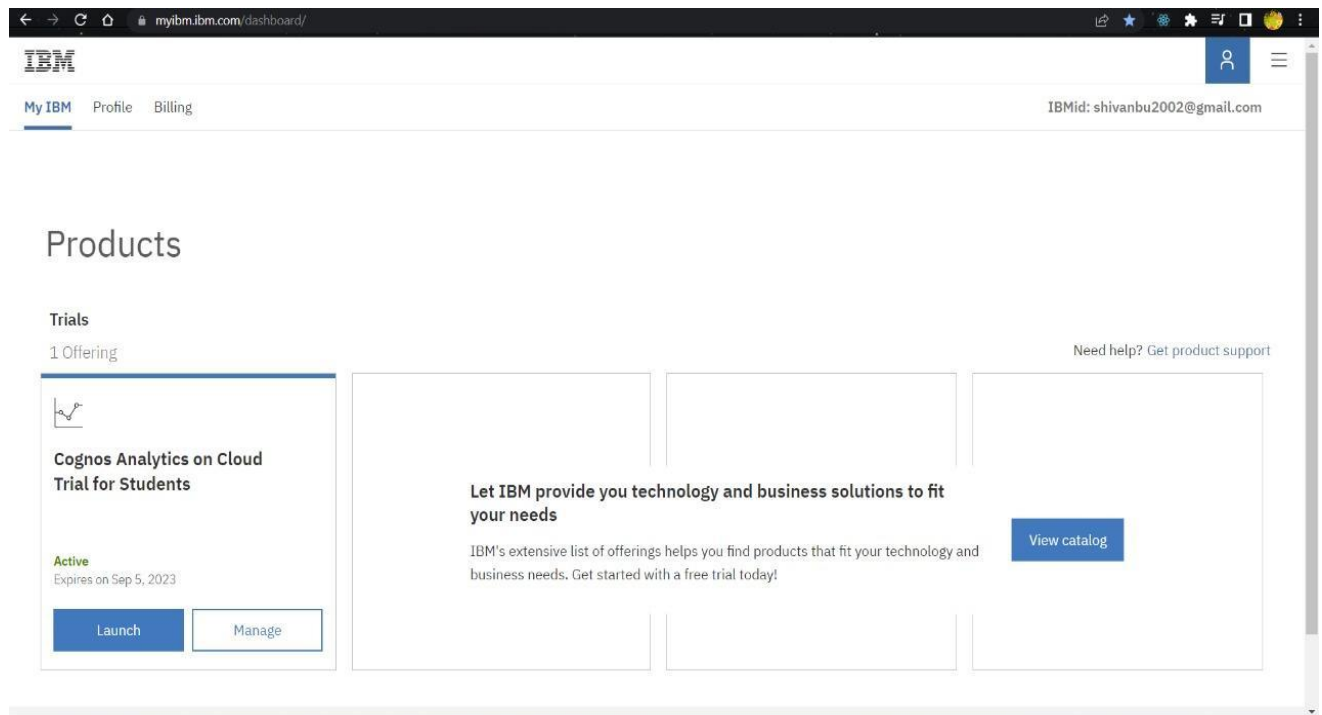
Sprint-1:

Data Collection: Download the Dataset link:

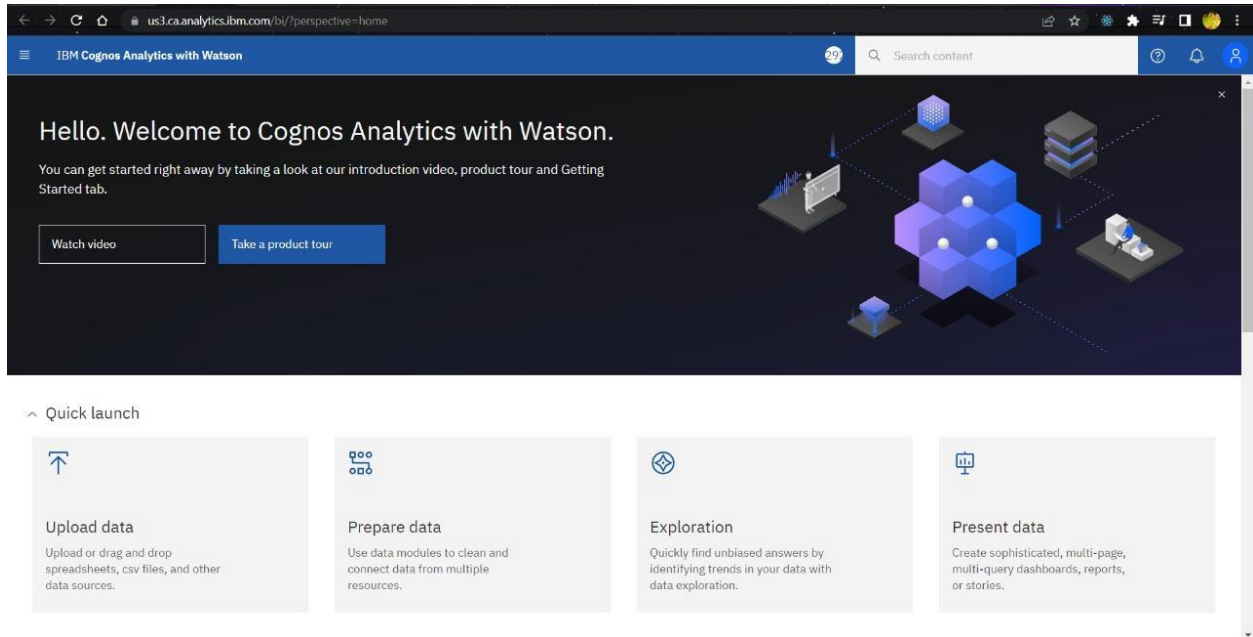
<https://s3.amazonaws.com/tripdata/index.html>

Load the Dataset:

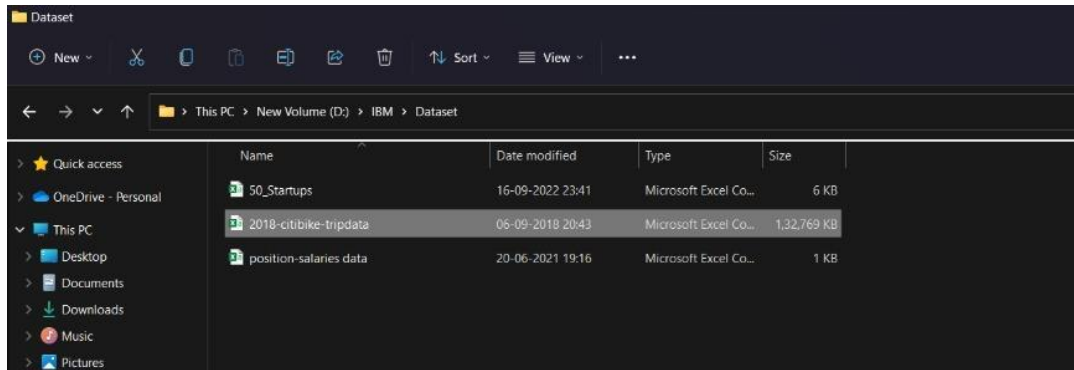
Tool used: IBM Cognos Analytics

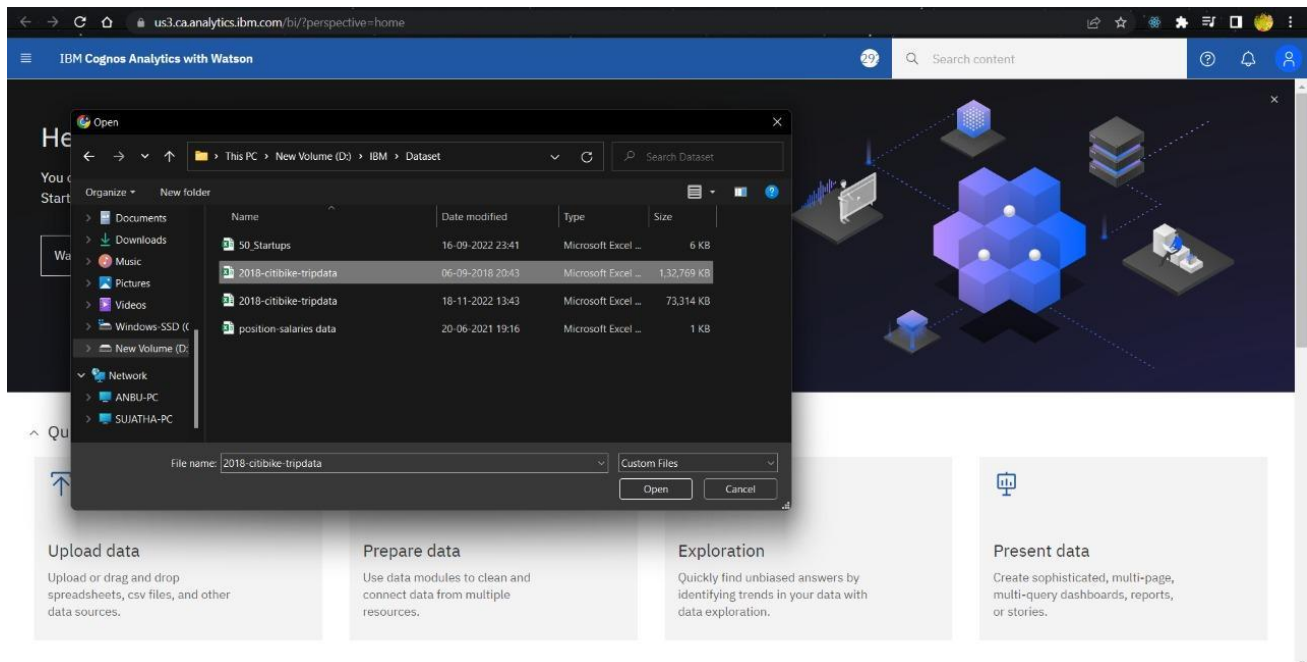


Open Cognos Analytics and click Upload data Button

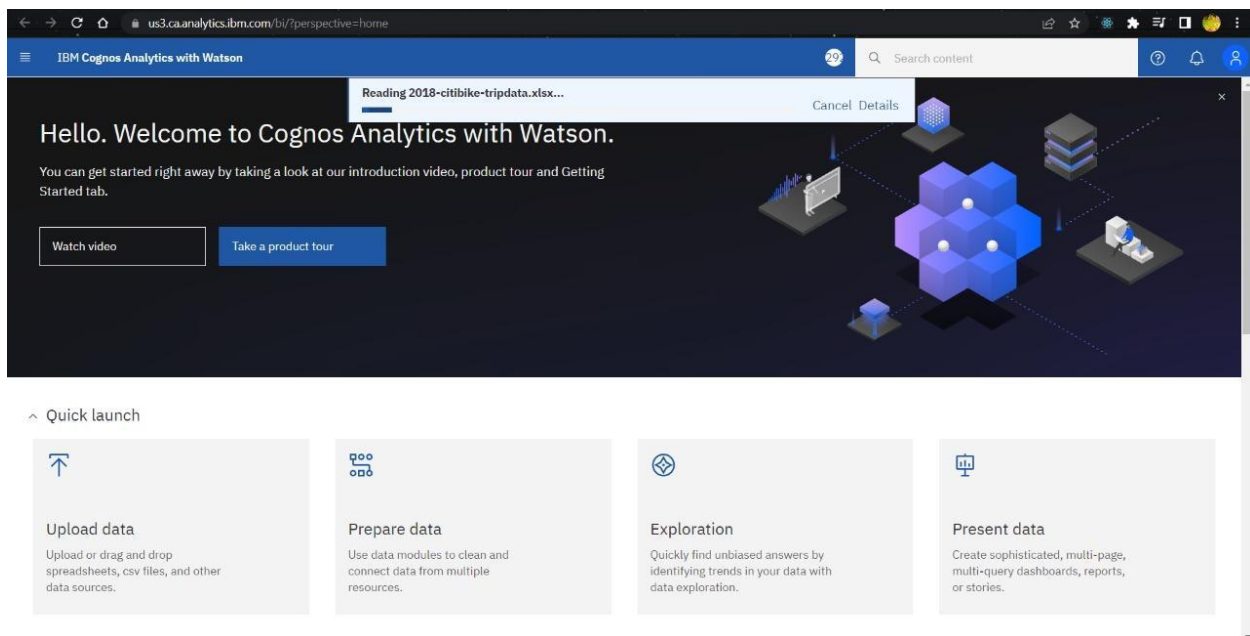


Select Dataset to be uploaded

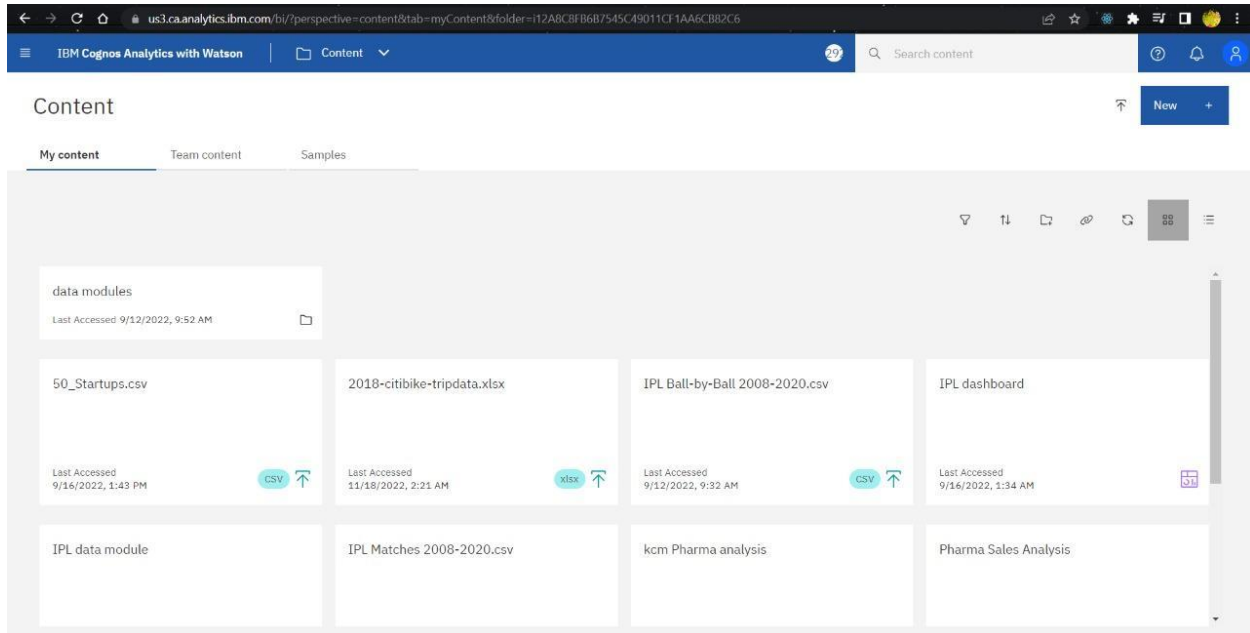




The excel file is getting uploaded in Cognos Analytics



The dataset can be accessed in My Content in Cognos Analytics



Understanding the dataset

The screenshot shows an Excel spreadsheet titled '2018-citibike-tripdata'. The spreadsheet contains a table with columns for trip duration, start time, stop time, start station, end station, and user information. The data is organized into rows, with the first row (row 2) representing the header information and subsequent rows (rows 3-28) representing individual trip records. The columns are labeled as follows:

tripduration	starttime	stoptime	start station id	start station name	start station lat	start station long	end station id	end station name	end station latitude	end station long	bikeid	usertype	birth year	gender
970	50:57.4	07:08.2	72	W 52 St & 11 Ave	40.76727216	-73.99392888	505	6 Ave & W 33 St	40.74901271	-73.98848395	31956	Subscriber	1992	1
723	33:30.2	45:33.3	72	W 52 St & 11 Ave	40.76727216	-73.99392888	3255	8 Ave & W 31 St	40.75058535	-73.99468482	32536	Subscriber	1969	1
496	39:18.3	47:35.2	72	W 52 St & 11 Ave	40.76727216	-73.99392888	525	W 34 St & 11 Ave	40.75594159	-74.0021163	16069	Subscriber	1956	1
306	40:13.4	45:20.2	72	W 52 St & 11 Ave	40.76727216	-73.99392888	447	8 Ave & W 52 St	40.76370739	-73.9851615	31781	Subscriber	1974	1
306	14:51.6	19:57.6	72	W 52 St & 11 Ave	40.76727216	-73.99392888	3356	Amsterdam Ave &	40.7746671	-73.98470567	30319	Subscriber	1992	1
1602	31:54.2	58:36.4	72	W 52 St & 11 Ave	40.76727216	-73.99392888	482	W 15 St & 7 Ave	40.73935542	-73.99931783	30106	Subscriber	1968	1
722	54:53.6	06:55.9	72	W 52 St & 11 Ave	40.76727216	-73.99392888	228	E 48 St & 3 Ave	40.7546011	-73.97187886	32059	Subscriber	1978	1
434	06:14.3	13:28.8	72	W 52 St & 11 Ave	40.76727216	-73.99392888	173	Broadway & W 49	40.76068327	-73.98452729	30525	Subscriber	1983	1
366	10:15.3	16:21.9	72	W 52 St & 11 Ave	40.76727216	-73.99392888	479	9 Ave & W 45 St	40.76019252	-73.9912551	27439	Subscriber	1947	1
324	13:30.9	18:55.1	72	W 52 St & 11 Ave	40.76727216	-73.99392888	450	W 49 St & 8 Ave	40.76227205	-73.98788205	30892	Subscriber	1974	1
1155	15:29.9	34:45.0	72	W 52 St & 11 Ave	40.76727216	-73.99392888	347	Greenwich St & W	40.728846	-74.008591	31591	Subscriber	1982	1
1200	23:18.9	43:18.9	72	W 52 St & 11 Ave	40.76727216	-73.99392888	127	Barrow St & Hudsc	40.73172428	-74.00674436	30257	Subscriber	1974	1
732	52:37.6	04:49.9	72	W 52 St & 11 Ave	40.76727216	-73.99392888	3635	W 36 St & 9 Ave	40.75462324	-73.99516761	32649	Subscriber	1969	1
600	20:57.0	30:57.0	72	W 52 St & 11 Ave	40.76727216	-73.99392888	457	Broadway & W 58	40.76695317	-73.98169333	26964	Subscriber	1991	1
1058	28:46.2	46:24.3	72	W 52 St & 11 Ave	40.76727216	-73.99392888	523	W 38 St & 8 Ave	40.75466591	-73.99138152	32617	Subscriber	1947	1
256	54:11.6	58:28.2	72	W 52 St & 11 Ave	40.76727216	-73.99392888	514	12 Ave & W 40 St	40.76087502	-74.00277668	31095	Subscriber	1978	1
318	55:11.9	00:29.9	72	W 52 St & 11 Ave	40.76727216	-73.99392888	478	11 Ave & W 41 St	40.76030096	-73.98884222	31182	Subscriber	1963	1
694	27:49.6	39:24.1	72	W 52 St & 11 Ave	40.76727216	-73.99392888	484	W 44 St & 5 Ave	40.75500254	-73.98014437	32375	Subscriber	1967	1
604	04:41.4	14:45.7	72	W 52 St & 11 Ave	40.76727216	-73.99392888	3635	W 36 St & 9 Ave	40.75462324	-73.99516761	32505	Subscriber	1964	1
724	25:00.5	37:05.3	72	W 52 St & 11 Ave	40.76727216	-73.99392888	490	8 Ave & W 33 St	40.751551	-73.993934	19512	Subscriber	1965	1
395	37:55.9	44:31.1	72	W 52 St & 11 Ave	40.76727216	-73.99392888	514	12 Ave & W 40 St	40.76087502	-74.00277668	17881	Subscriber	1956	1
520	09:21.2	18:02.1	72	W 52 St & 11 Ave	40.76727216	-73.99392888	500	Broadway & W 51	40.76228826	-73.98336183	31426	Customer	1969	0
430	10:59.4	18:10.0	72	W 52 St & 11 Ave	40.76727216	-73.99392888	500	Broadway & W 51	40.76228826	-73.98336183	32349	Customer	1969	0
842	34:16.3	48:18.6	72	W 52 St & 11 Ave	40.76727216	-73.99392888	490	8 Ave & W 33 St	40.751551	-73.993934	31019	Subscriber	1978	1
243	36:12.6	40:15.8	72	W 52 St & 11 Ave	40.76727216	-73.99392888	479	9 Ave & W 45 St	40.76019252	-73.9912551	29984	Subscriber	1973	1
705	36:14.3	47:59.7	72	W 52 St & 11 Ave	40.76727216	-73.99392888	477	W 41 St & 8 Ave	40.75640548	-73.9900262	20922	Subscriber	1992	1
1163	43:09.9	02:33.3	72	W 52 St & 11 Ave	40.76727216	-73.99392888	3466	W 45 St & 6 Ave	40.75668721	-73.98257732	33277	Subscriber	1974	1

1. Trip Duration (seconds) — How long a trip lasted
2. Start Time and Date
3. Stop Time and Date
4. Start Station Name
5. End Station Name
6. Station ID - Unique identifier for each station
7. Station Lat/Long - Coordinates
8. Bike ID - unique identifier for each bike
9. User Type (Customer = 24-hour pass or 3-day pass user; Subscriber = Annual Member) - Customers are usually tourists, subscribers are usually NYC residents
10. Gender (Zero=unknown; 1=male; 2=female) - Usually unknown for customers since they often sign up at a kiosk
11. Year of Birth - Self-entered, not validated by an ID.