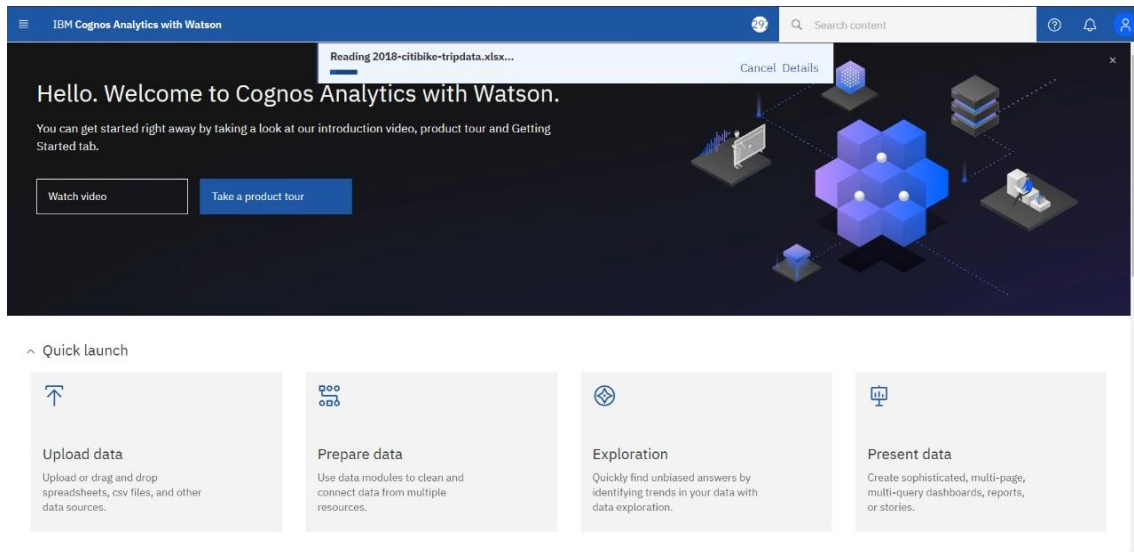


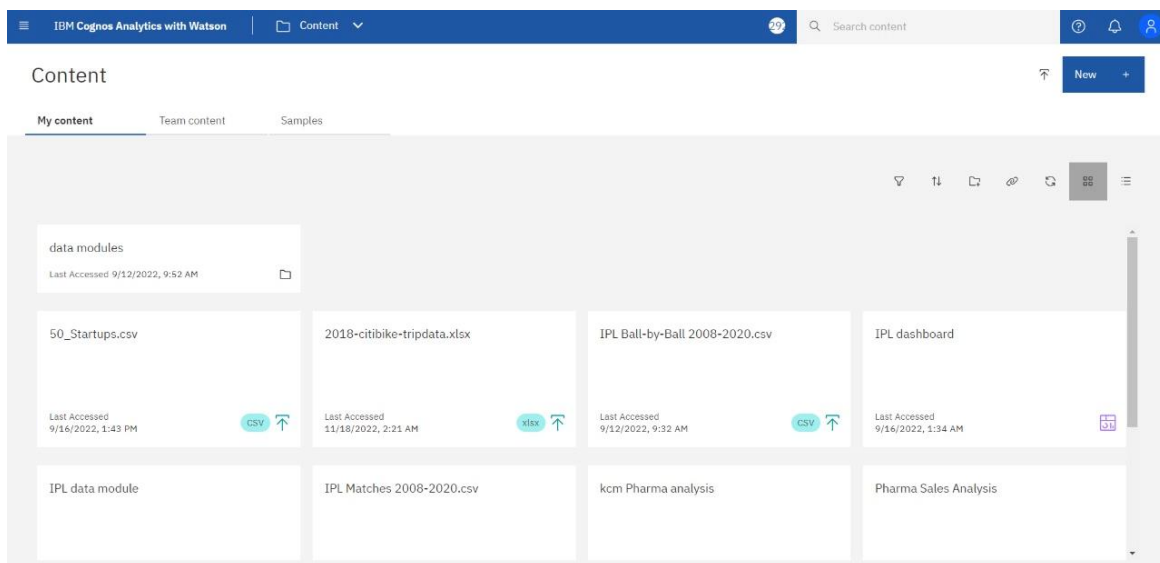
## Working With Dataset

Team Member Name	S.Nandhini
Team ID	PNT2022TMID23401
Project Name	A new hint to transportation - Analysis of the NYC bike share system

## Loading Dataset:



## Understanding Dataset:



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
	tripduration	starttime	stoptime	start station id	start station name	start station latit	start station longitud	end station id	end station name	end station latitude	end station long	bikeid	usertype	birth year	gender	
1	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	
2	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	
3	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	
4	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	
5	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	
6	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	
7	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	
8	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	
9	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	1974	1	
10	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	1947	1	
11	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	
12	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	
13	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	
14	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	
15	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	
16	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	
17	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	-73.99884222	31182	Subscriber	1963	1	
18	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	
19	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	
20	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	
21	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	
22	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	
23	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	
24	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	
25	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	
26	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	
27	1163	43:09.9	02:33.3	72	W 52 St & 11 Ave	40.76727216	-73.99392888	3466	W 45 St & 6 Ave (C	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. Year of Birth - Self-entered, not validated by an ID.
11. Gender (Zero=unknown; 1=male; 2=female) - Usually unknown for customers since they often sign up at a kiosk

# Exploration of Dataset:

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\* New exploration

Search content

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Cards

Select a starting point

Every exploration includes a data relationships card.

Start with any column. You can always change it later.

Enter data column. Not sure? Try Count bikeid, Number of tr...

Try starting with one of these...

Count bikeid Number of trips tripduration gender bikeid

Skip

IBM Cognos Analytics with Watson

\* New exploration

Search content

29

Analytics Details Fields Properties

Selected sources /

2018-citibike-tripdata....

Search

2018-citibike-tripdata.xlsx

tripduration

starttime

stoptime

# start station id

start station name

start station... latitude

start station... longitude

# end station id

end station name

end station... latitude

end station... longitude

bikeid

usertype

birth year

gender

tripduration by start station name

tripduration (Sum)

start station name

Details

Across all **start station names**, the sum of **tripduration** is over 594 million.

**tripduration** ranges from 341, when **start station name** is 8D QC Station 01, to almost 20 million, when **start station name** is Hope St & Union Ave.

**tripduration** is unusually high when the values of **start station name** are Hope St & Union Ave, FDR Drive & E 35 St, Carlton Ave & Dean St, Fulton St & Adams St, W 16 St & The High Line and more.

