

Prepare The Datasets

Date	14 November 2022
Team ID	PNT2022TMID37693
Project Name	Project – Traffic and Capacity Analytics For Major Ports

Once you load the data, we need to Prepare the data.

Rename the columns names as

Existing Column Name	Rename to
Traffic in Eleventh Plan (MT) (2011-12)Proj.	Traffic Projection
Traffic in Eleventh Plan (MT) (2011-12) Ach.	Traffic Achievement
Traffic in Eleventh Plan (MT) (2011-12) %	Traffic Percentage
Total Capacity in Eleventh Plan (MT) (2011-12) Proj.	Total Capacity Projection
Total Capacity in Eleventh Plan (MT) (2011-12) Ach.	Total Capacity Achievement
Total Capacity in Eleventh Plan (MT) (2011-12) %	Total Capacity Percentage

BEFORE RENAMING :

The screenshot shows the Power BI Desktop interface. On the left, the 'Data module' pane lists the loaded data sources: 'datafile.csv', 'Row Id', 'Port', and a list of columns including 'Traffic in Eleventh Plan (MT) (2011-12)Proj.', 'Traffic in Eleventh Plan (MT) (2011-12) Ach.', 'Traffic in Eleventh Plan (MT) (2011-12) %', 'Total Capacity in Eleventh Plan (MT) (2011-12) Proj.', 'Total Capacity in Eleventh Plan (MT) (2011-12) Ach.', and 'Total Capacity in Eleventh Plan (MT) (2011-12) %'. The main area displays a table with the following columns: 'Id', 'Port', 'Traffic in E...11-12)Proj.', 'Traffic in E...11-12) Ach.', 'Traffic in ... (2011-12) %', 'Total Capac...1-12) Proj.', 'Total Capac...1-12) Ach.', and 'Total Capa...2011-12)'. The data rows list various ports and their corresponding traffic and capacity values.

Id	Port	Traffic in E...11-12)Proj.	Traffic in E...11-12) Ach.	Traffic in ... (2011-12) %	Total Capac...1-12) Proj.	Total Capac...1-12) Ach.	Total Capa...2011-12)
	Kolkata	1343	1223	9100	3145	1635	5100
	Haldia	4450	3101	7000	6340	5070	7900
	Paradeep	7640	5425	7100	10640	7650	7100
	Visakhapatnam	8220	6742	8200	10810	7293	6700
	Ennore	4700	1496	3200	6420	3100	4800
	Chennai	5750	5571	9700	7230	7972	11000
	Tuticorin	3172	2810	8900	6398	3334	5200
	Cochin	3817	2010	5300	5475	4098	7400
	NMPT	4881	3294	6800	6050	5097	8400
	Mormugao	4455	3900	8800	6690	4190	6200
	Mumbai	7105	5618	7900	9191	4453	4800
	JNPT	6604	6575	10000	9560	6400	6600
	Kandla	8672	8250	9500	12220	8691	7100

AFTER RENAMING:

IBM Cognos Analytics with Watson

New data module

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Search Cognos Analytics

Properties

Data module

Search

New data module

Navigation paths

datafile.csv

Total Percent

Traffic Percent

Row Id

Port

Traffic Projected

Traffic Achieved

Total Capacity Projected

Total Capacity Achieved

Grid

Relationships

Custom tables

TJ	Total Percent	Traffic Percent	Row Id	Port	Traffic Projected	Traffic Achieved	Total Capacity Projected	Total Capacity Achieved
	0.519872813990461	91.06%	1	Kolkata	1343	1223	3145	1635
	0.7996845425867508	69.69%	2	Haldia	4450	3101	6340	5070
	0.7189849624060151	71.01%	3	Paradeep	7640	5425	10640	7650
	0.6746530989824236	82.02%	4	Visakhapatnam	8220	6742	10810	7293
	0.48286604361370716	31.83%	5	Ennore	4700	1496	6420	3100
	1.102627939142462	96.89%	6	Chennai	5750	5571	7230	7972
	0.5211003438574554	88.59%	7	Tuticorin	3172	2810	6398	3334
	0.7484931506849315	52.66%	8	Cochin	3817	2010	5475	4098
	0.8424793388429752	67.49%	9	NMPT	4881	3294	6050	5097
	0.6263079222720478	87.54%	10	Mormugao	4455	3900	6690	4190
	0.4844957023174845	79.07%	11	Mumbai	7105	5618	9191	4453
	0.6694560669456067	99.56%	12	JNPT	6604	6575	9560	6400
	0.7112111292962356	95.13%	13	Kandla	8672	8250	12220	8691