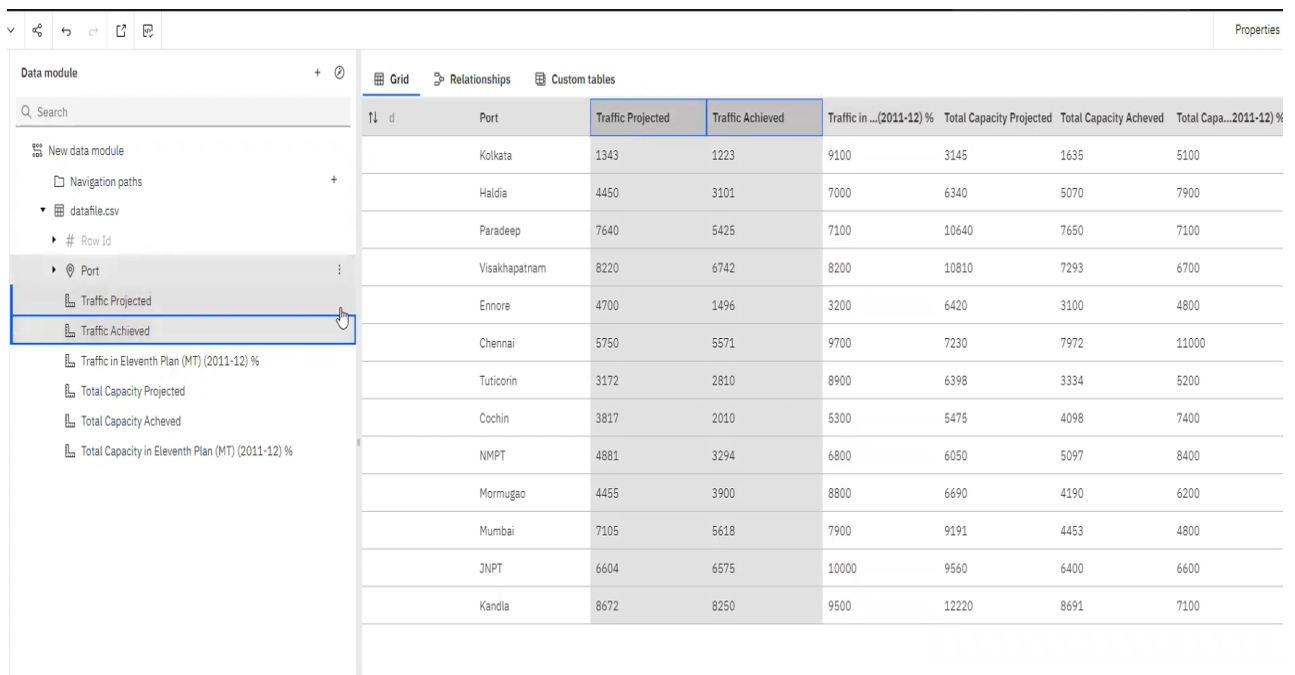


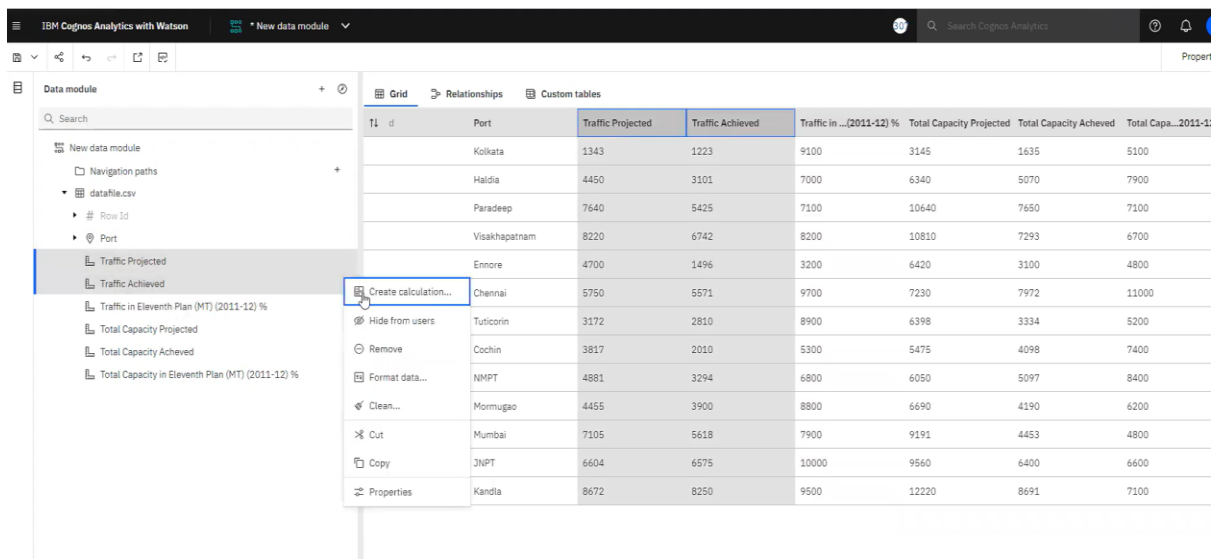
Prepare Calculations

Date	14 November 2022
Team ID	PNT2022TMID18520
Project Name	Project – Traffic and Capacity Analytics For Major Ports

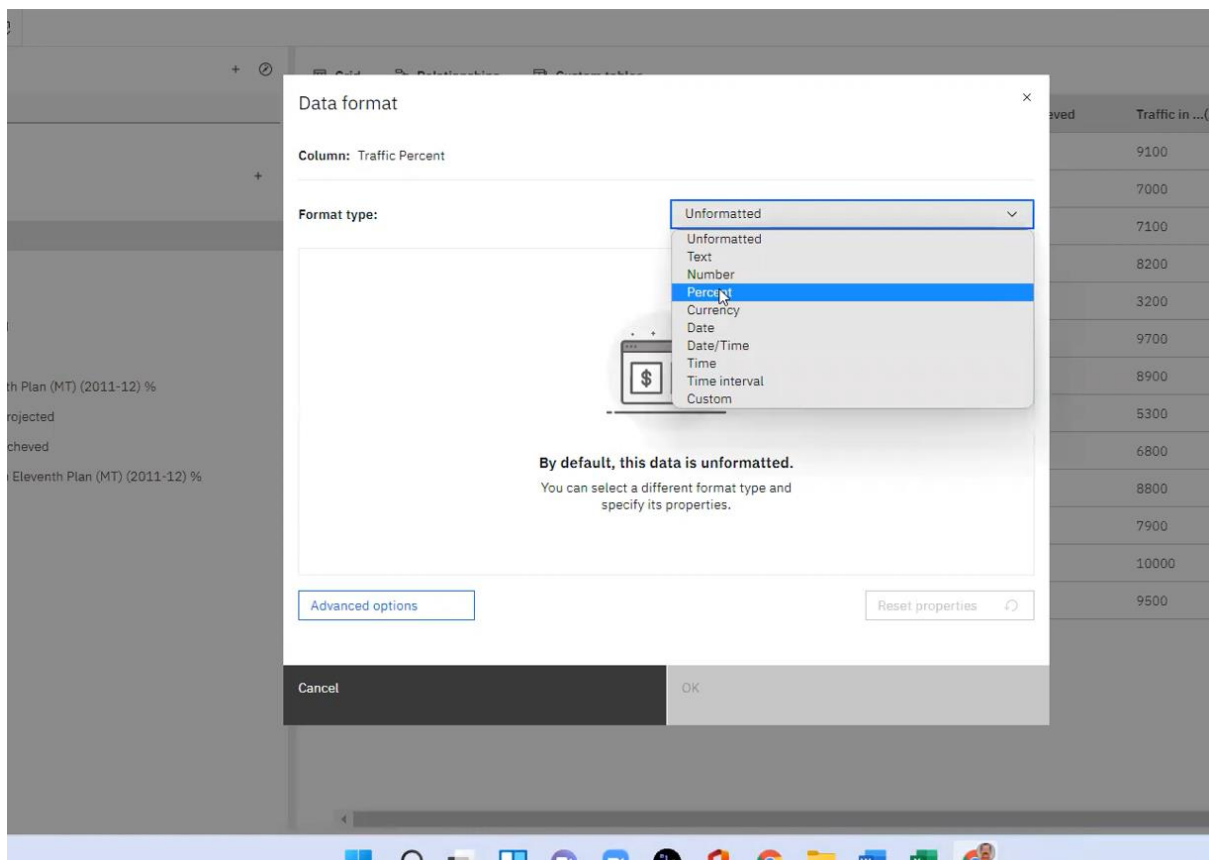
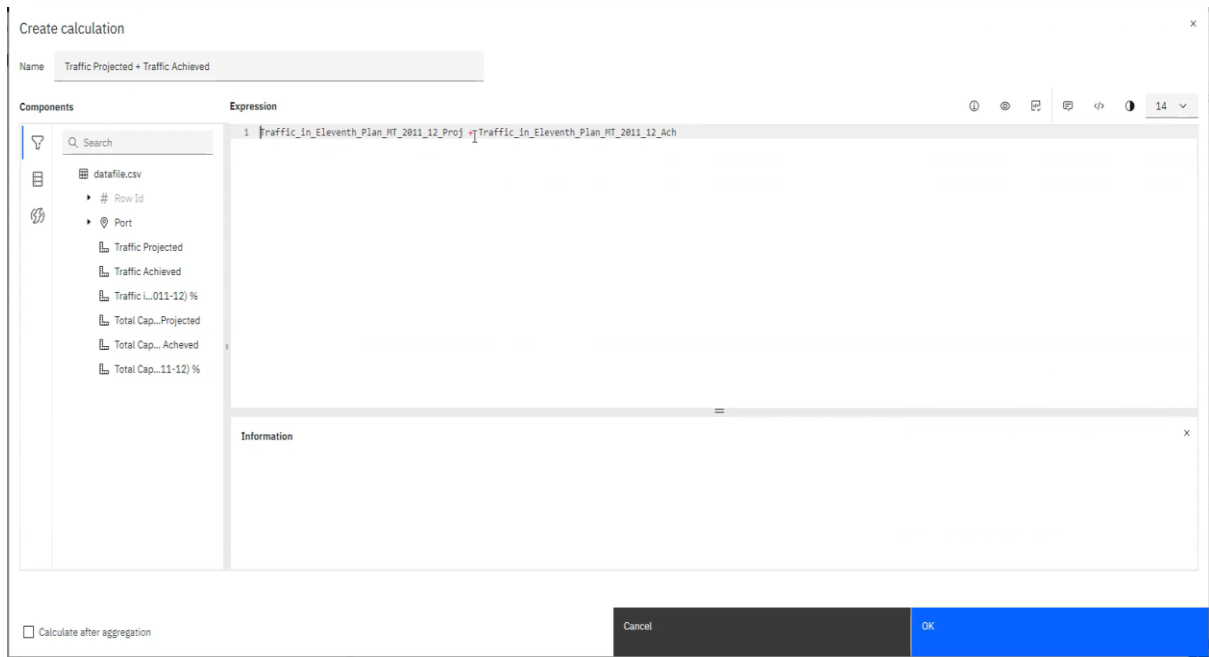
1) Traffic Percentage as Traffic Achievement / Traffic Projection



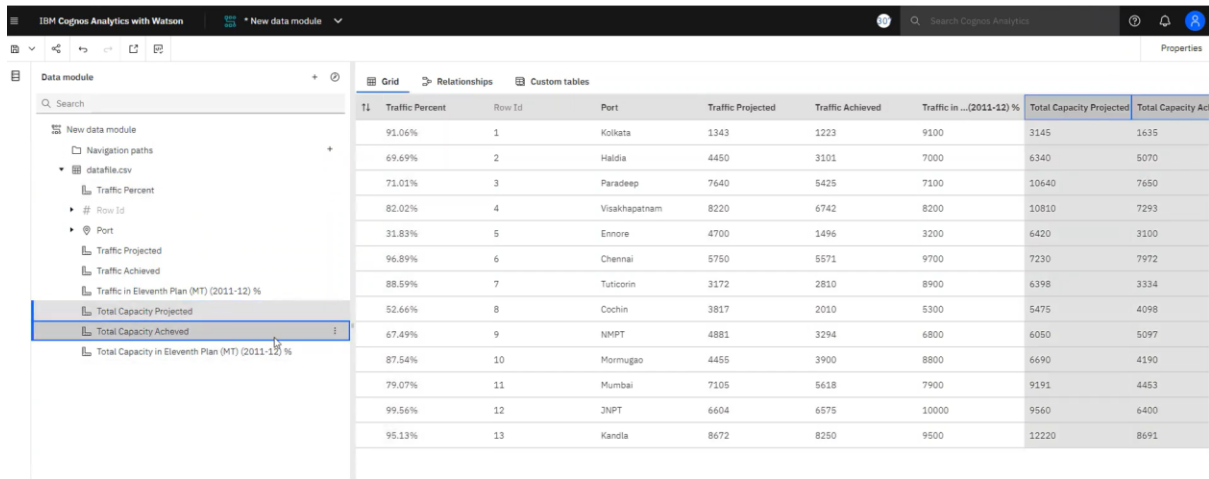
id	Port	Traffic Projected	Traffic Achieved	Traffic in ...(2011-12) %	Total Capacity Projected	Total Capacity Achieved	Total Capa...(2011-12) %
	Kolkata	1343	1223	9100	3145	1635	5100
	Haldia	4450	3101	7000	6340	5070	7900
	Paradeep	7640	5425	7100	10640	7650	7100
	Visakhapatnam	8220	6742	8200	10810	7293	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



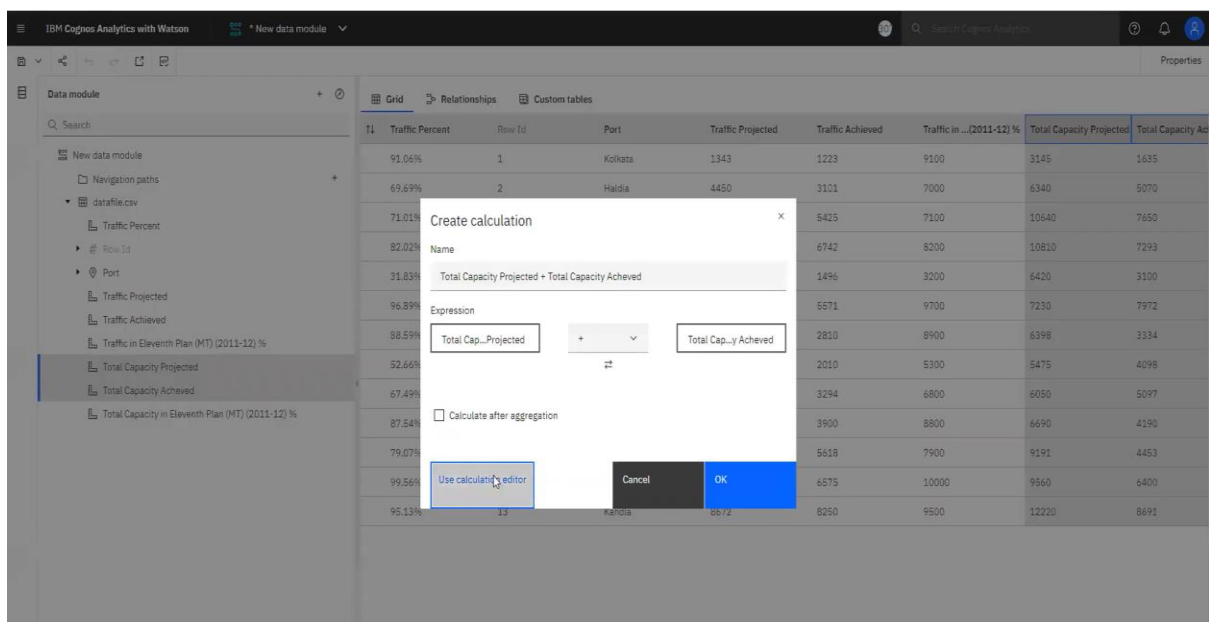
T1 id	Port	Traffic Projected	Traffic Achieved	Traffic in ...(2011-12) %	Total Capacity Projected	Total Capacity Achieved	Total Capa...2011-1
	Kolkata	1343	1223	9100	3145	1635	5100
	Haldia	4450	3101	7000	6340	5070	7900
	Paradeep	7640	5425	7100	10640	7650	7100
	Visakhapatnam	8220	6742	8200	10810	7293	6700
	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



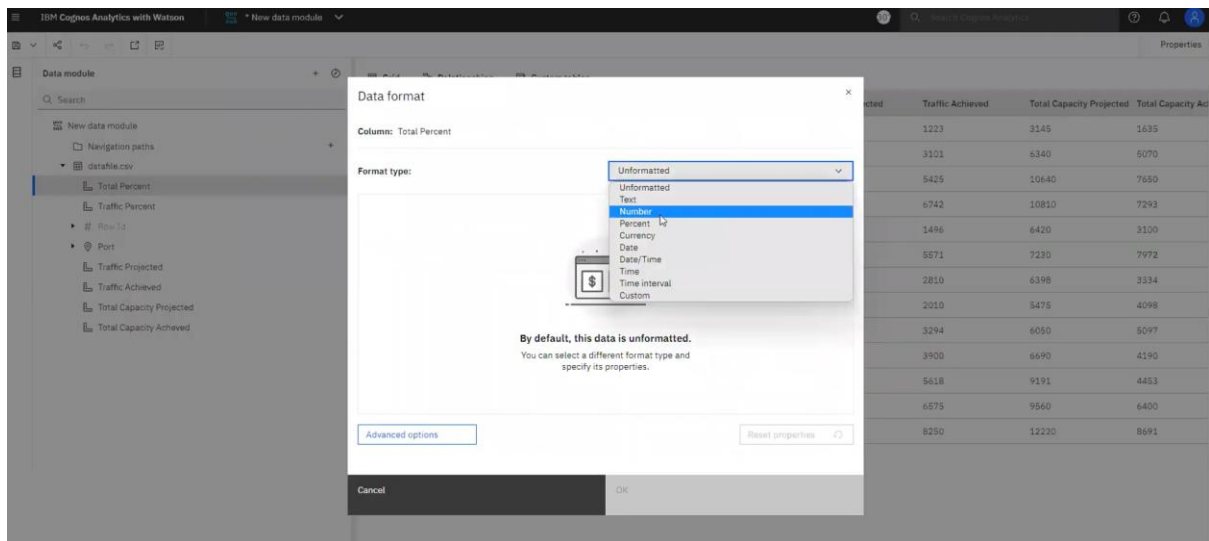
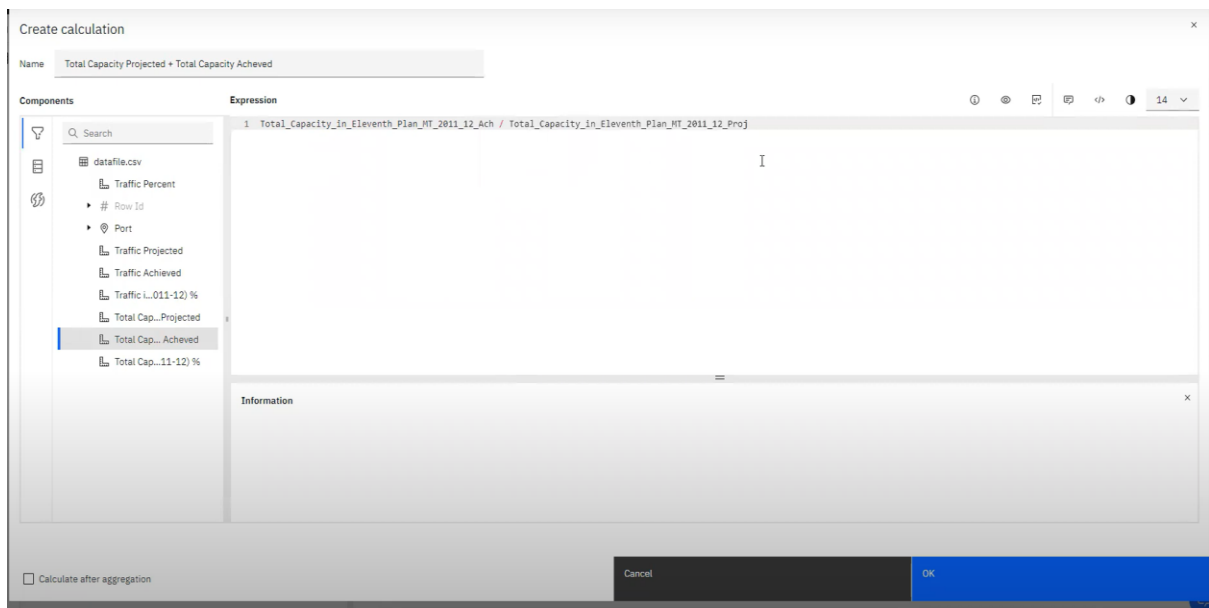
2) $\text{Total Capacity Percentage as } \frac{\text{Total Capacity Achievement}}{\text{Total Capacity Projection}}$

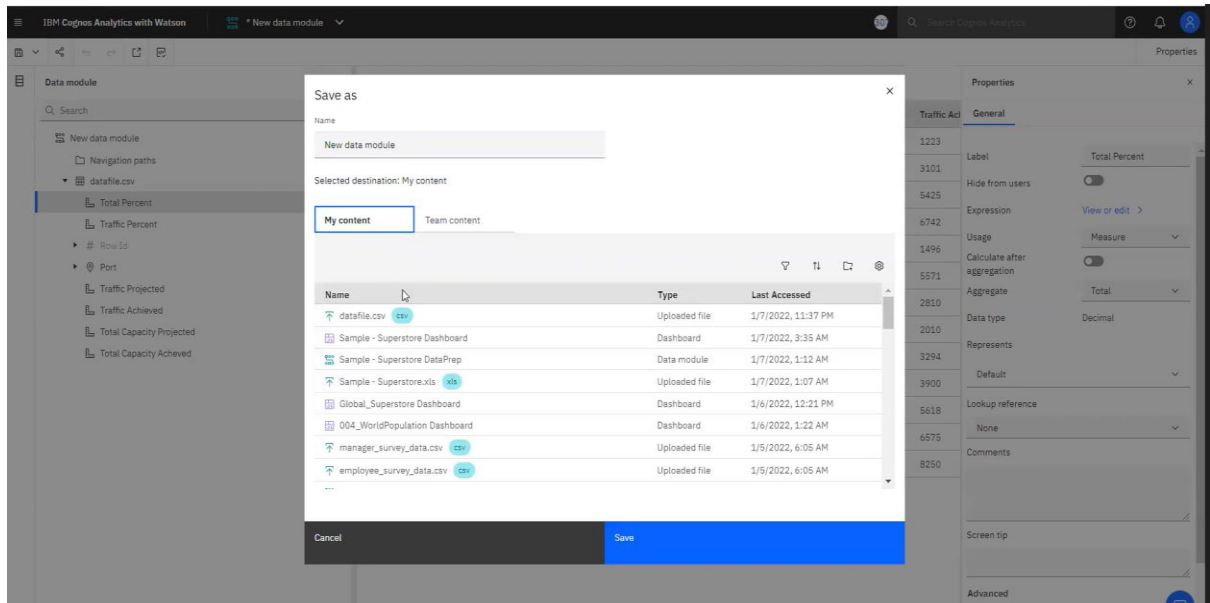


T1	Traffic Percent	Row Id	Port	Traffic Projected	Traffic Achieved	Traffic in ... (2011-12) %	Total Capacity Projected	Total Capacity Achievement
1	91.06%	1	Kolkata	1343	1223	9100	3145	1635
2	69.69%	2	Haldia	4450	3101	7000	6340	5070
3	71.01%	3	Paradeep	7640	5425	7100	10640	7650
4	82.02%	4	Visakhapatnam	8220	6742	8200	10810	7293
5	31.83%	5	Ennore	4700	1496	3200	6420	3100
6	96.89%	6	Chennai	5750	5571	9700	7230	7972
7	88.59%	7	Tuticorin	3172	2810	8900	6398	3334
8	52.66%	8	Cochin	3817	2010	5300	5475	4098
9	67.49%	9	NMPT	4881	3294	6800	6050	5097
10	87.54%	10	Mormugao	4455	3900	8800	6690	4190
11	79.07%	11	Mumbai	7105	5618	7900	9191	4453
12	99.56%	12	JNPT	6604	6575	10000	9560	6400
13	95.13%	13	Kandla	8672	8250	9500	12220	8691



T1	Traffic Percent	Row Id	Port	Traffic Projected	Traffic Achieved	Traffic in ... (2011-12) %	Total Capacity Projected	Total Capacity Achievement
1	91.06%	1	Kolkata	1343	1223	9100	3145	1635
2	69.69%	2	Haldia	4450	3101	7000	6340	5070
3	71.01%	3	Paradeep	7640	5425	7100	10640	7650
4	82.02%	4	Visakhapatnam	8220	6742	8200	10810	7293
5	31.83%	5	Ennore	4700	1496	3200	6420	3100
6	96.89%	6	Chennai	5750	5571	9700	7230	7972
7	88.59%	7	Tuticorin	3172	2810	8900	6398	3334
8	52.66%	8	Cochin	3817	2010	5300	5475	4098
9	67.49%	9	NMPT	4881	3294	6800	6050	5097
10	87.54%	10	Mormugao	4455	3900	8800	6690	4190
11	79.07%	11	Mumbai	7105	5618	7900	9191	4453
12	99.56%	12	JNPT	6604	6575	10000	9560	6400
13	95.13%	13	Kandla	8672	8250	9500	12220	8691





IBM Cognos Analytics with Watson

Port Traffic Data Prep

Data module

Grid Relationships Custom tables

Total Percent	Traffic Percent	Row Id	Port	Traffic Projected	Traffic Actual
51.99%	91.06%	1	Kolkata	1343	1223
79.97%	69.69%	2	Haldia	4450	3101
71.90%	71.01%	3	Paradeep	7640	5425
67.47%	82.02%	4	Visakhapatnam	8220	6742
48.29%	31.83%	5	Ennore	4700	1496
110.26%	96.89%	6	Chennai	5750	5571
52.11%	88.59%	7	Tuticorin	3172	2810
74.85%	52.66%	8	Cochin	3817	2010
84.25%	67.49%	9	NMPT	4581	3294
62.63%	87.54%	10	Mormugao	4455	3900
48.45%	79.07%	11	Mumbai	7105	5618
66.95%	99.56%	12	JNPT	6404	6575
71.12%	95.13%	13	Kandla	8672	8250

Properties

General

Label: Total Percent

Hide from users: ☐

Expression: [View or edit](#)

Usage: Measure

Calculate after aggregation: ☐

Aggregate: Total

Data type: Decimal

Represents: Default

Lookup reference: None

Comments:

Screen tip: