

# SPRINT 1

TEAM ID	PNT2022TMID00308
PROJECT NAME	TRAFFIC AND CAPACITY ANALYTICS FOR MAJOR PORTS

**PROJECT DEVELOPMENT PHASE:**

**SPRINT-1:**

DATA COLLECTION  
DATA PREPARATION

**SPRINT-2:**

DATA EXPLORATION

**SPRINT-3:**

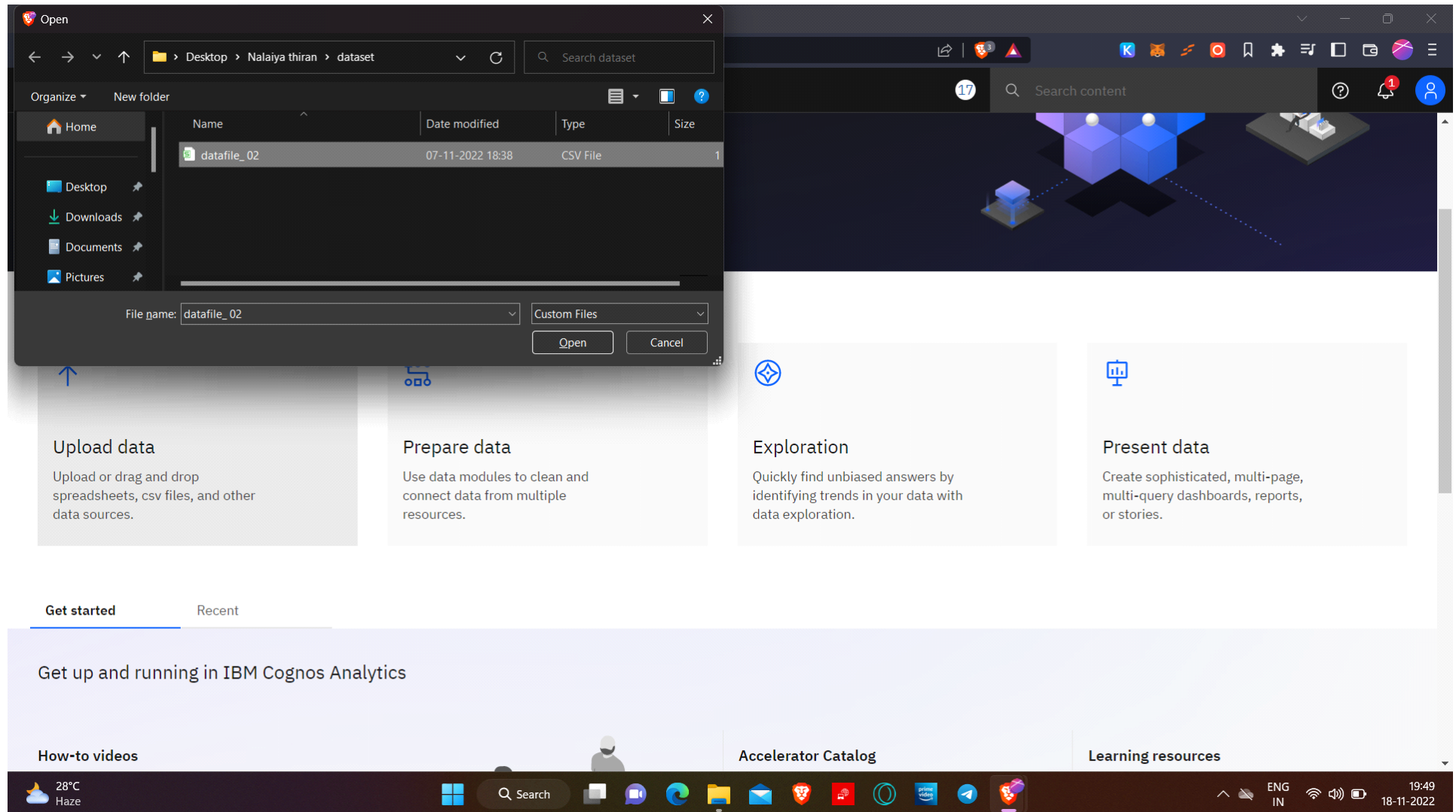
DASHBOARD CREATION

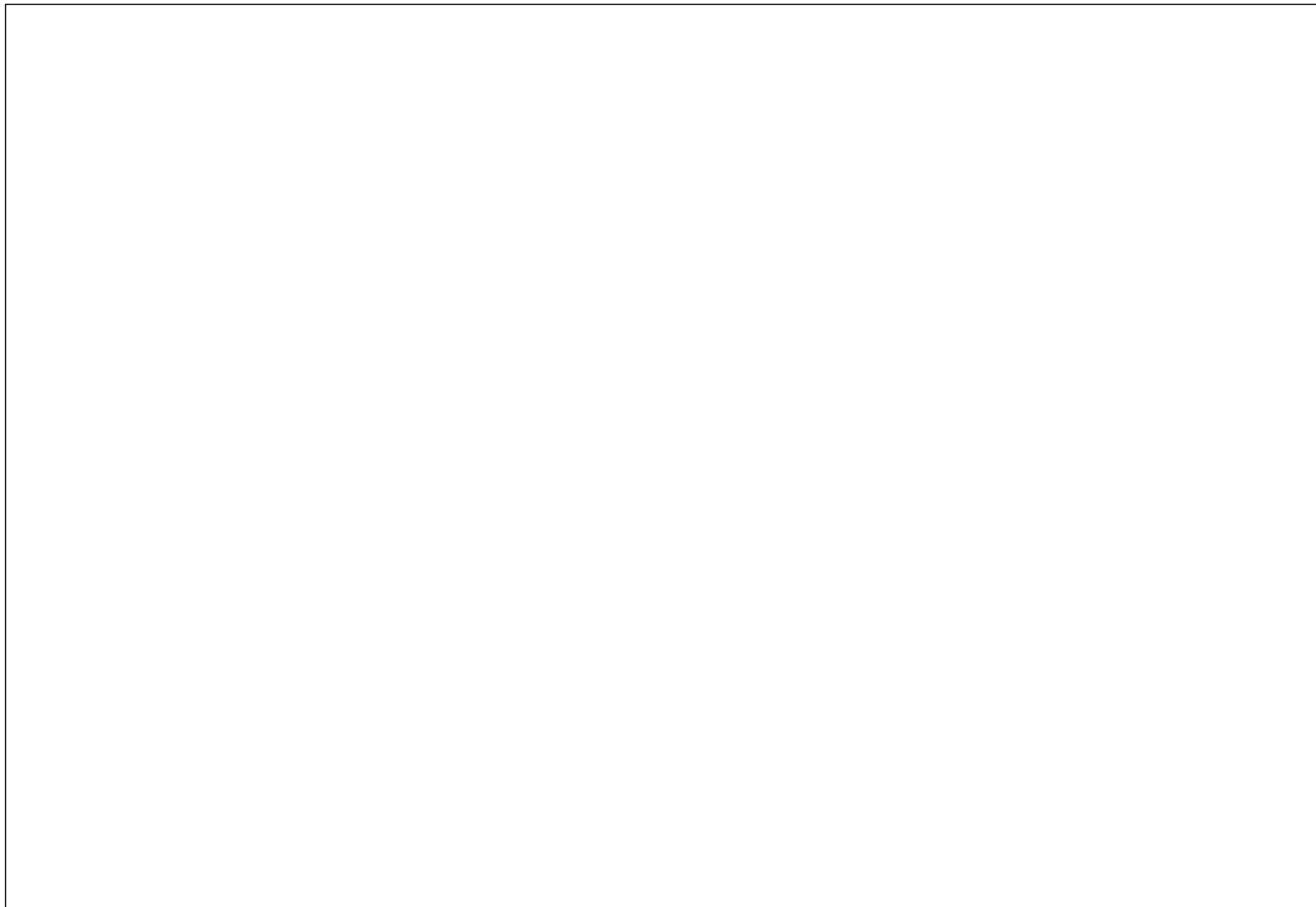
**SPRINT-4:**

REPORT CREATION  
STORY CREATION

# DATA COLLECTION

## LOADING THE DATASET





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IBM Cognos Analytics with Watson 1 item open

### Select sources

My content

Type any text to filter items in this folder

- datafile\_02.csv  
11/18/2022, 8:19 AM
- datafile\_02.csv  
11/18/2022, 8:15 AM
- Port Traffic  
11/7/2022, 7:28 AM
- Port Traffic dashboard  
11/7/2022, 11:38 AM
- Port-Wise traffic(Pie Chart)  
11/7/2022, 7:51 AM
- Traffic.csv  
11/5/2022, 5:51 AM

**Filter by**

[Reset filters](#)

Type

- ☐ Folders
- ☐ Packages
- ☐ Files
- ☐ Data sets
- ☐ Modules

Modified

- ☒ All
- ☐ Today
- ☐ Yesterday
- ☐ Past week
- ☐ Past month

Cancel OK

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My IBM

\* New data module

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\* New data module

17

Search content

Properties

Search

New data module

Navigation paths

datafile\_02.csv

- # Row Id
- Port
- Traffic in ...1-12)Proj.
- Traffic in ...1-12) Ach.
- Traffic in...011-12) %
- Total Capa...-12) Proj.
- Total Capa...-12) Ach.
- Total Cap...011-12) %

Grid

Relationships

Custom tables

Row 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
1	Kolkata	1343	1223	9100	3145	1635
2	Haldia	4450	3101	7000	6340	5070
3	Paradeep	7640	5425	7100	10640	7650
4	Visakhapatnam	8220	6742	8200	10810	7293
5	Ennore	4700	1496	3200	6420	3100
6	Chennai	5750	5571	9700	7230	7972
7	Tuticorin	3172	2810	8900	6398	3334
8	Cochin	3817	2010	5300	5475	4098
9	NMPT	4881	3294	6800	6050	5097
10	Mormugao	4455	3900	8800	6690	4190
11	Mumbai	7105	5618	7900	9191	4453
12	JNPT	6604	6575	10000	9560	6400
13	Kandla	8672	8250	9500	12220	8691

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My IBM

New data module

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New data module

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Search content

Properties

Data module

Search

New data module

Navigation paths

datafile\_02.csv

Row Id

Port

Traffic in ...1-12)Proj.

Traffic in ...1-12) Ach.

Traffic in ...(2011-12) %

Total Capa...1-12) Proj.

Total Capa...1-12) Ach.

Total Cap...011-12) %

Grid

Relationships

Custom tables

Row 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.
1	Kolkata	1343	1223	9100	3145	1635
2	Haldia	4450	3101	7000	6340	5070
3	Paradeep	7640	5425	7100	10640	7650
4	Visakhapatnam	8220	6742	8200	10810	7293
5	Ennore	4700	1496	3200	6420	3100
6	Chennai	5750	5571	9700	7230	7972
7	Tuticorin	3172	2810	8900	6398	3334
8	Cochin	3817	2010	5300	5475	4098
9	NMPT	4881	3294	6800	6050	5097
10	Mormugao	4455	3900	8800	6690	4190
11	Mumbai	7105	5618	7900	9191	4453
12	JNPT	6604	6575	10000	9560	6400
13	Kandla	8672	8250	9500	12220	8691

Filter...

Create calculation...

Create data group...

Hide from users

Remove

Refresh properties...

Format data...

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New data module

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New data module

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Search content

Properties

Data module

Search

New data module

Navigation paths

datafile\_02.csv

# Row Id

Port

Traffic Projection.

Traffic in ...1-12) Ach.

Traffic in ...011-12) %

Total Capa...-12) Proj.

Total Capa...-12) Ach.

Total Cap...011-12) %

Grid

Relationships

Custom tables

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

Filter...

Create calculation...

Create data group...

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Refresh properties...

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Clean...

Rename

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Properties

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Search

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Grid Relationships Custom tables

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

Filter... Create calculation... Create data group... Hide from users Remove Refresh properties... Format data... Clean... Rename Cut Copy Properties

My IBM

New data module

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New data module

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Search content

Properties

Data module

Search

New data module

Navigation paths

datafile\_02.csv

Row Id

Port

Traffic Projection.

Traffic Achieved.

Traffic in...011-12) %

Total Capa...rojected.

Total Capa...-12) Ach.

Total Capa...011-12) %

Grid

Relationships

Custom tables

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

Filter...

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Create data group...

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main

Navigation paths

datafile\_02.csv

# Row Id

Port

Traffic Projection.

Traffic Achieved.

Traffic in...011-12) %

Total Capa...rojected.

Total Capa...Achieved.

Total Cap...011-12) %

Grid

Relationships

Custom tables

Port	Traffic Projection.	Traffic Achieved.	Traffic in ...(2011-12) %	Total Capac... Projected.	Total Capacity Achieved.	Total Capa...2011
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
	5750	5571	9700	7230	7972	11000
	3172	2810	8900	6398	3334	5200
	3817	2010	5300	5475	4098	7400
	4881	3294	6800	6050	5097	8400
	4455	3900	8800	6690	4190	6200
	7105	5618	7900	9191	4453	4800
	6604	6575	10000	9560	6400	6600
Kandla	8672	8250	9500	12220	8691	7100

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Properties

Data module

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Navigation paths

datafile\_02.csv

# Row Id

Port

Traffic Achieved.

Traffic Projection.

Traffic in...(2011-12) %

Total Capac...rojected.

Total Capa...Achieved.

Total Cap...(2011-12) %

Grid

Relationships

Custom tables

Create calculation

Name

Traffic Achieved. % Traffic Projection.

Expression

Traffic Achieved. % Traffic Projection.

Calculate after aggregation

Use calculation editor

Cancel

OK

Row Id	Port	Traffic Achieved	Traffic Projection	Traffic in ...(2011-12) %	Total Capac... Projected.	Total Capacity Act
1				9100	3145	1635
2				7000	6340	5070
3				7100	10640	7650
4				8200	10810	7293
5				3200	6420	3100
6				9700	7230	7972
7				8900	6398	3334
8				5300	5475	4098
9				6800	6050	5097
10				8800	6690	4190
11	Mumbai	5618	7105	7900	9191	4453
12	JNPT	6575	6604	10000	9560	6400
13	Kandla	8250	8672	9500	12220	8691

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Search

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IBM Cognos Analytics with Watson

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Search content

Properties

main

Navigation paths

datafile\_02.csv

Traffic Ac...Projection.

# Row Id

Port

Traffic Achieved.

Traffic Projection.

Traffic in...011-12) %

Total Capa...rojected.

Total Capa...Achieved.

Total Cap...011-12) %

Grid

Relationships

Custom tables

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

Create calculation...

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Refresh properties...

Format data...

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Search

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Search content

Properties

Data module

main

Navigation paths

datafile\_02.csv

Traffic Ac...Projection.

# Row Id

Port

Traffic Achieved.

Traffic Projection.

Traffic in...011-12) %

Total Capa...rejected.

Total Capa...Achieved.

Total Cap...011-12) %

Grid

Relationships

Custom tables

Port	Traffic Achieved.	Traffic Projection.	Traffic in ...(2011-12) %	Total Capac... Projected.	Total Capac... Achieved.
				3145	1635
				6340	5070
				10640	7650
				10810	7293
				6420	3100
				7230	7972
				6398	3334
				5475	4098
				6050	5097
				6690	4190
Mumbai	5618	7105	7900	9191	4453
JNPT	6575	6604	10000	9560	6400
Kandla	8250	8672	9500	12220	8691

Create calculation

Name

Total Capacity Achieved. + Total Capacity Projected.

Expression

Total Cap...Achieved.

+

Total Capa...rejected.

Calculate after aggregation

Use calculation editor

Cancel

OK

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Search

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Data module

Search

main

Navigation paths

datafile\_02.csv

Total Capa...rojected.

Traffic Ac...Projection.

# Row Id

Port

Traffic Achieved.

Traffic Projection.

Traffic in...011-12) %

Total Capa...rojected.

Total Capa...Achieved.

Total Cap...011-12) %

Grid

Relationships

Custom tables

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