Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	23 November 2022
Team ID	PNT2022TMID47139
Project Name	Project – Airlines Data Analytics For Aviation Industry's
Maximum Marks	8 mark

Working With The Dataset

Understanding The Dataset

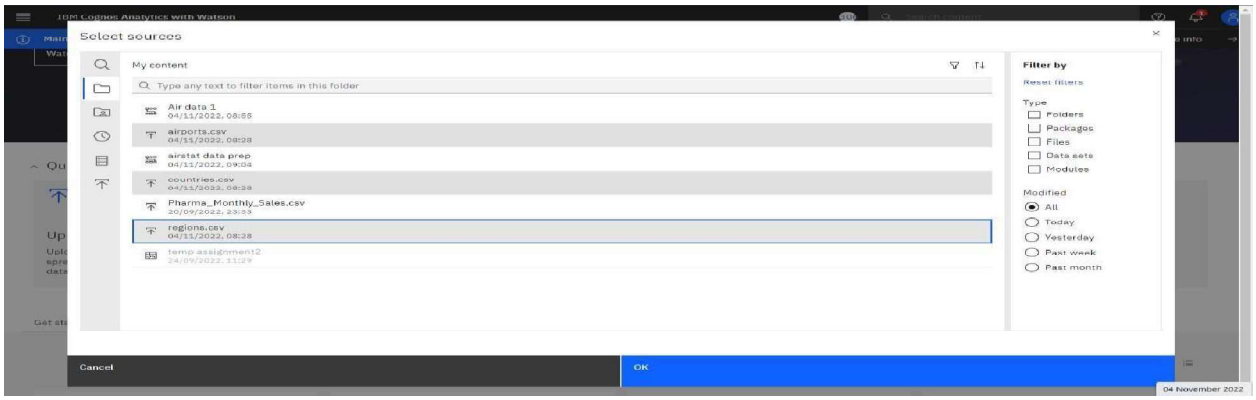
A dataset is a collection of data within a database.
Typically, datasets take on a tabular format consisting of rows and columns. Each column represents a specific variable, while each row corresponds to a specific value. Some datasets consisting of unstructured data are non-tabular, meaning they don't fit the traditional rowcolumn format.

The data can be downloaded from the Links :

1. AirStats data on airports around the world
2. Circum - Airport Performance Reports
3. Resources Coverage data

Loading Of Dataset

What is meant by load data?
Data Loading is defined as **copying data from one electronic file or database into another**. Data loading implies converting from one format into another; for example, from one type of production database into a decision support database from a different vendor.



Data Preparation

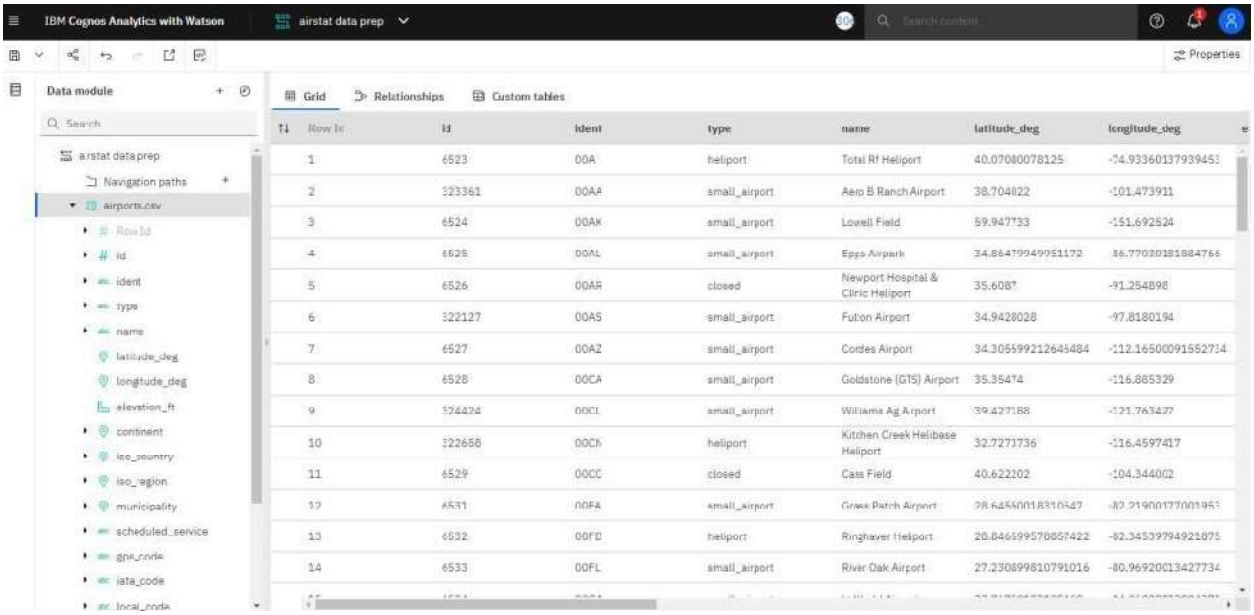
Data Preparation.

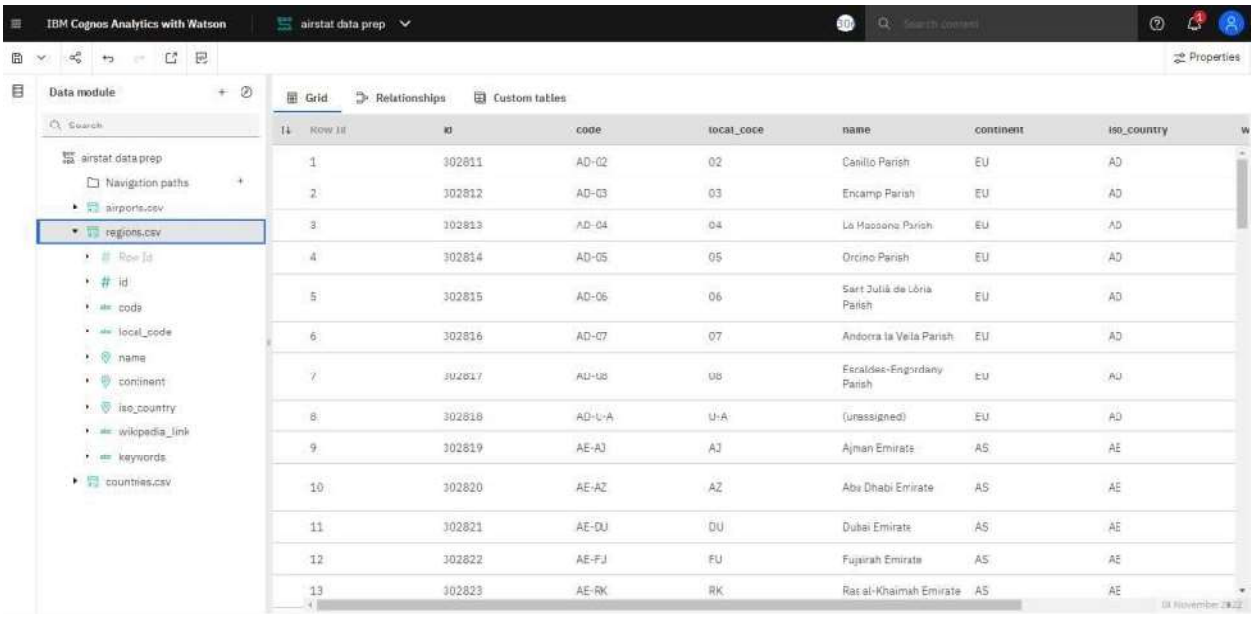
Validate all the tables - airports, countries, regions

- Create calculated field - Continent Name using the codes.

Joining Of Tables

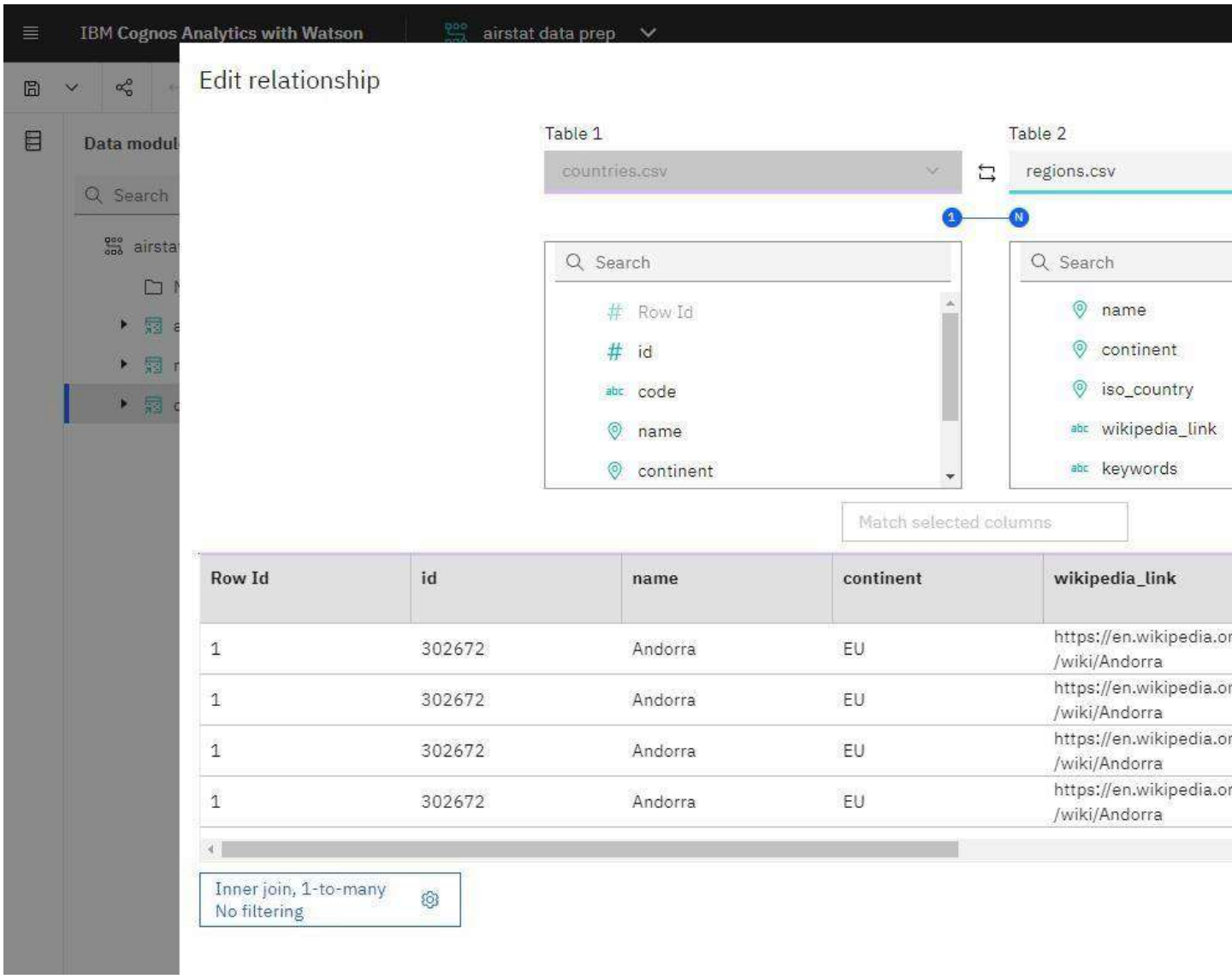
Joining of

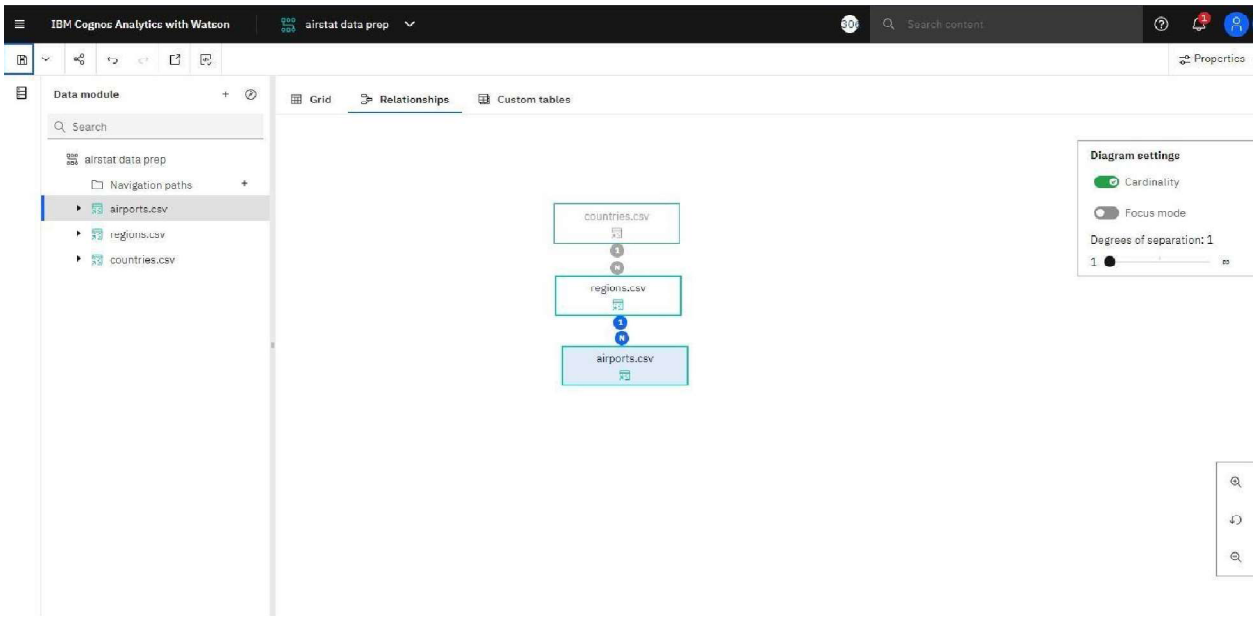




Joining Of Tables

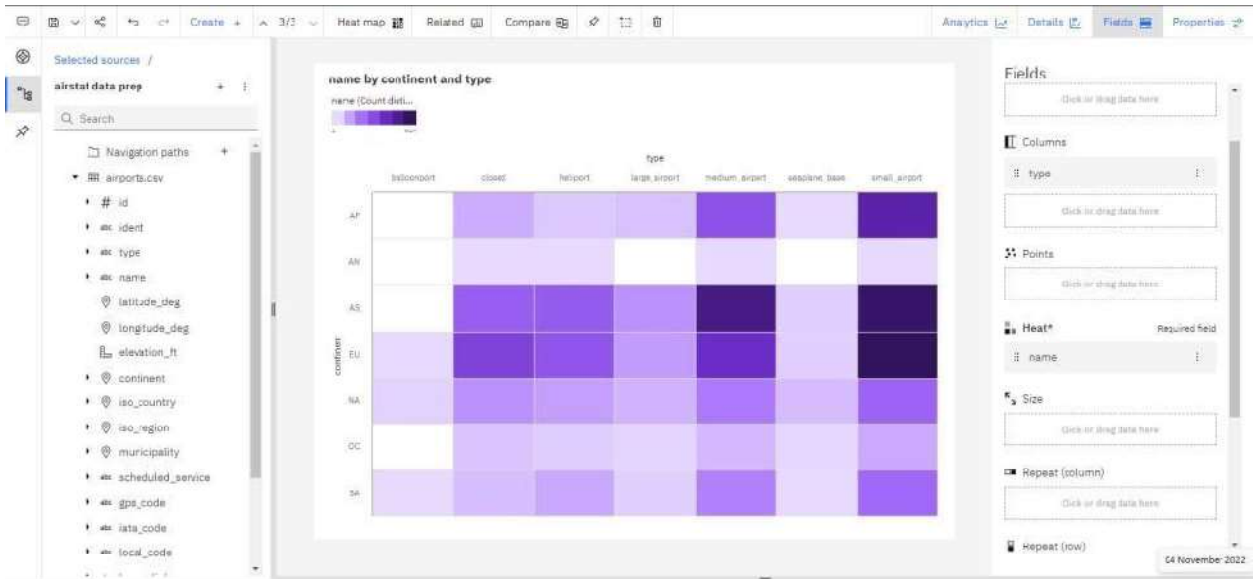
Joining of Tables Airports, Countries and Regions with the related columns.

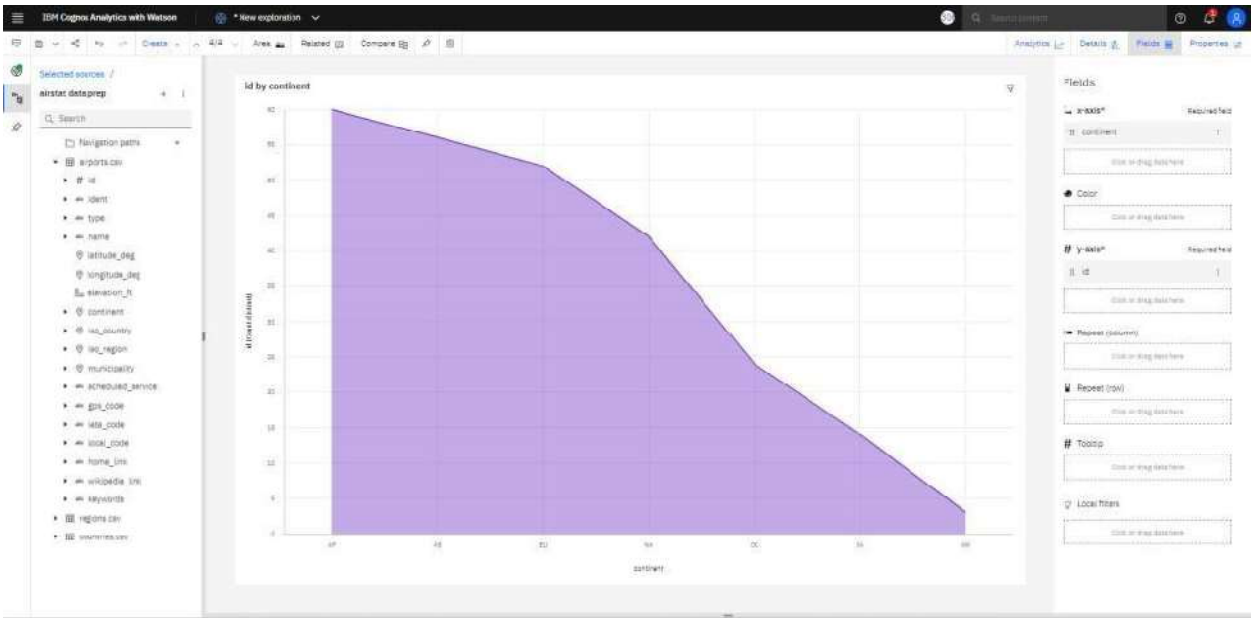

IBM Cognos Analytics with Watson
airstat data prep
Edit relationship
Table 1
countries.csv
Table 2
regions.csv
1
N
Search
Row Id
id
code
name
continent
Search
name
continent
iso_country
wikipedia_link
keywords
Match selected columns
Row Id
id
name
continent
wikipedia_link
1
302672
Andorra
EU
https://en.wikipedia.or
/wiki/Andorra
1
302672
Andorra
EU
https://en.wikipedia.or
/wiki/Andorra
1
302672
Andorra
EU
https://en.wikipedia.or
/wiki/Andorra
1
302672
Andorra
EU
https://en.wikipedia.or
/wiki/Andorra
Inner join, 1-to-many
No filtering

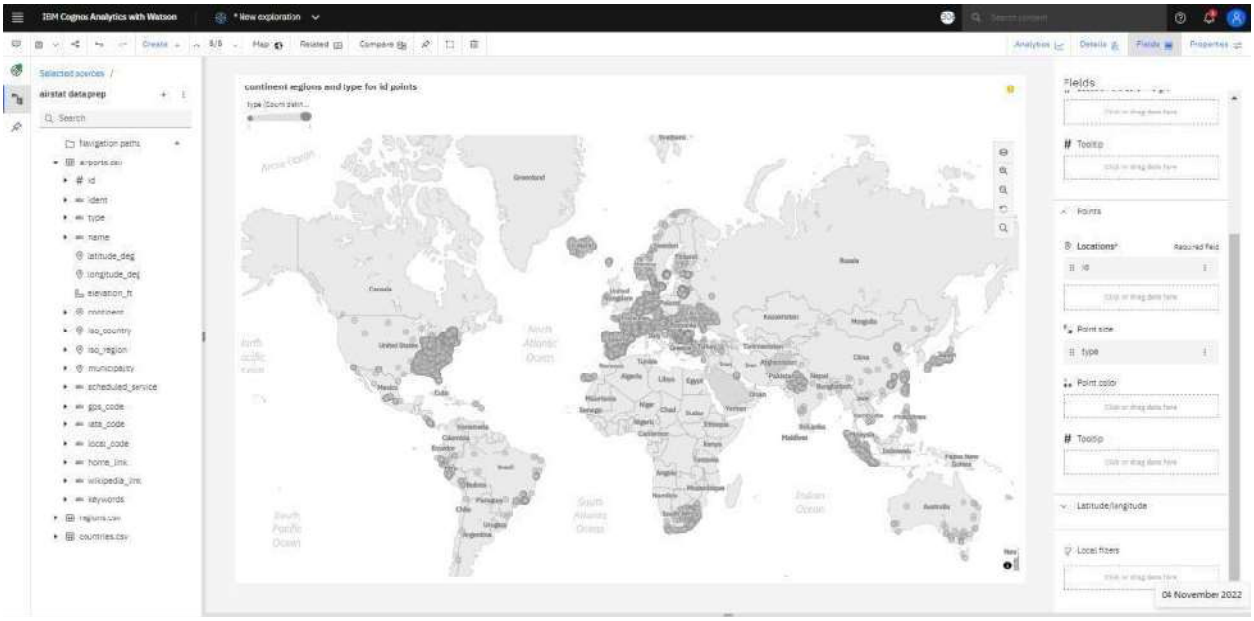


Exploration Of Data

Exploration of Data to understand the descriptive statistics of the data.




IBM Cognos Analytics with Watson
* New exploration
id by continent
continent
Fields
x-axis*
continent
Color
y-axis*
id
Repeat (row)
Tooltip
Local filters
airstat dataprep
airports.csv
id
ident
type
name
latitude_deg
longitude_deg
elevation_ft
continent
iso_country
iso_region
municipality
scheduled_service
gps_code
iata_code
local_code
home_link
wikipedia_link
keywords
regions.csv


IBM Cognos Analytics with Watson
* New exploration
continent regions and type for id points
Fields
Tooltip
Points
Locations*
id
Point size
type
Point color
Latitude/longitude
Local filters
airstat dataprep
airports.csv
regions.csv
countries.csv
04 November 2022