Project Development Phase
Delivery of Sprint-1

Date	29 OCT 2022
Team ID	PNT2022TMID39763
Project Name	Analytics for Hospitals' Health-Care Data

Project Development Phase:

Sprint-1:
➢ Data Collection
➢ Data Preparation

Sprint-2:
➢ Data Exploration

Sprint-3:
➢ Dashboard Creation

Sprint-4:
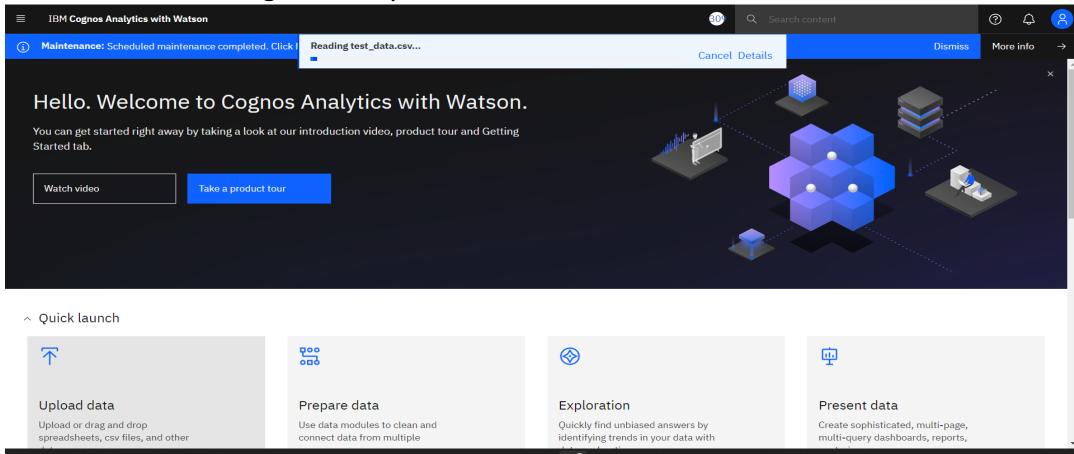➢ Report Creation
➢ Story Creation

TEAM ID : PNT2022TMID39763

Sprint-1:

Data Collection: Download the Dataset Dataset link :

https://drive.google.com/drive/folders/1qozDgfVw04hGS8Di_SFhUNdUKUdjkhrT?usp=sharing

Load the Dataset:

Tool used: IBM Cognos Analytics

Data Preparation:
  Prepare the Dataset

Null Values Cleaning Process :

Edit calculation

Name | Bed Grade

Components

Expression

```
1  IF (  Bed_Grade is missing)
2      THEN (median (Bed_Grade))
3      ELSE(Bed_Grade )
```

Validate

- ▸ Operators
- ▸ Summaries
- ▸ Constants
- ▾ Constructs
  - # if then else
  - # in_range
  - # search case
  - # simple case
- ▸ Business Dat...e Functions
- ▸ Period Predicates
- ▸ Vendor Specific Functions
- ▸ Common Functions
- ▸ Macro Functions

Validation Results

✓ The expression is valid.

Cancel

OK

▸ ⊞ test_data.csv

Properties

Data ...dule

Search

▸ abc H...
▸ ◉ C...
▸ ◉ H...
  L A...
▸ abc D...
▸ abc W...
▸ abc W...
  L B...
  L P...
  ◉ C...
▸ abc T...
▸ abc S...
  L V...
▸ abc Age
  L A...
▸ abc Stay
▸ ⊞ te...sv

▦ Grid ⟋ Relationships ▦ Custom tables

↑↓	Department	Ward_Type	Ward_Facility_Code	Bed Grade	patientid	City_Code_Patient	Type of Admission	Severi
	radiotherapy	R	F	2	31397	7	Emergency	Extr
	radiotherapy	S	F	2	31397	7	Trauma	Extr
	anesthesia	S	E	2	31397	7	Trauma	Extr
	radiotherapy	R	D	2	31397	7	Trauma	Extr
	radiotherapy	S	D	2	31397	7	Trauma	Extr
	anesthesia	S	F	2	31397	7	Trauma	Extr
	radiotherapy	S	B	3	31397	7	Emergency	Extr
	radiotherapy	Q	F	3	31397	7	Trauma	Extr
	gynecology	R	B	4	31397	7	Trauma	Extr
	gynecology	S	E	3	31397	7	Trauma	Extr
	radiotherapy	S	B	2	31397	7	Urgent	Extr
	radiotherapy	R	D	1	31397	7	Urgent	Extr
	radiotherapy	R	A	3	31397	7	Emergency	Extr

Hospital Data :

Properties

Data ...dule + ⊘

🔍 Search

▸ abc H...
▸ ⊙ C...
▸ ⊙ H...
⌐ A...
▸ abc D...
▸ abc W...
▸ abc W...
⌐ B...
⌐ p...
⊙ C...
▸ abc T...
▸ abc S...
⌐ V...
▸ abc Age
⌐ A...
▸ abc Stay
▸ ⊞ te...sv

⊞ Grid   ⟂ Relationships   ⊞ Custom tables

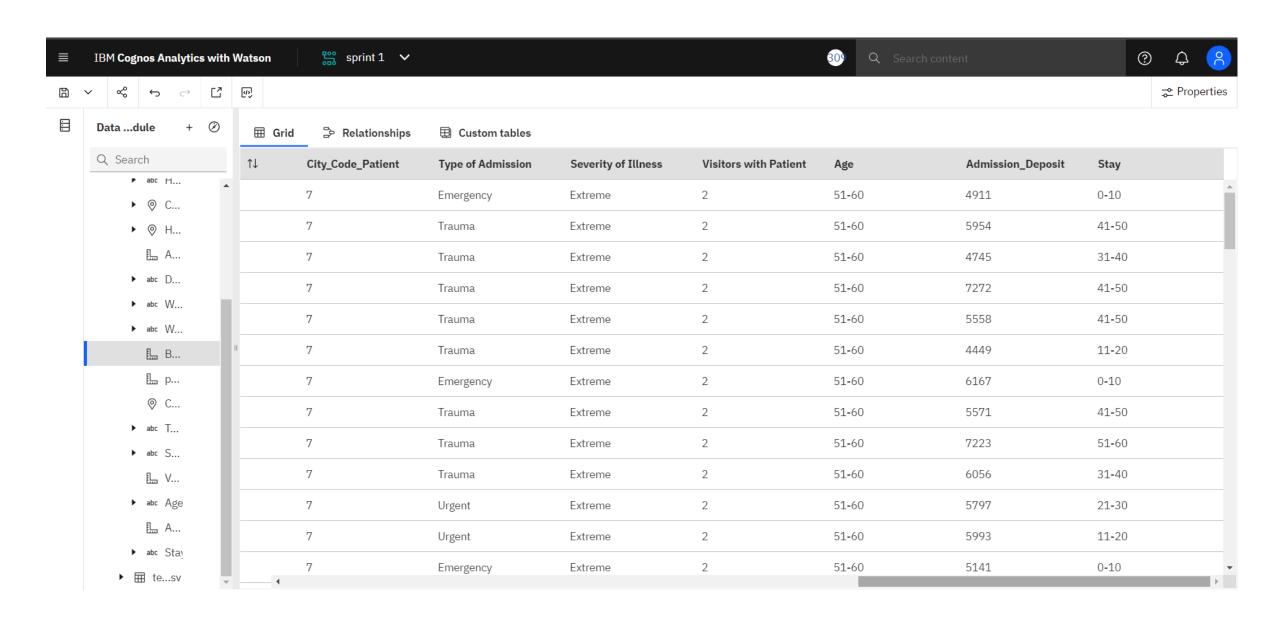| ↑↓	City_Code_Patient	Type of Admission	Severity of Illness	Visitors with Patient	Age	Admission_Deposit	Stay
	7	Emergency	Extreme	2	51-60	4911	0-10
	7	Trauma	Extreme	2	51-60	5954	41-50
	7	Trauma	Extreme	2	51-60	4745	31-40
	7	Trauma	Extreme	2	51-60	7272	41-50
	7	Trauma	Extreme	2	51-60	5558	41-50
	7	Trauma	Extreme	2	51-60	4449	11-20
	7	Emergency	Extreme	2	51-60	6167	0-10
	7	Trauma	Extreme	2	51-60	5571	41-50
	7	Trauma	Extreme	2	51-60	7223	51-60
	7	Trauma	Extreme	2	51-60	6056	31-40
	7	Urgent	Extreme	2	51-60	5797	21-30
	7	Urgent	Extreme	2	51-60	5993	11-20
	7	Emergency	Extreme	2	51-60	5141	0-10

Prepared data link :

https://us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&pathRef=.my_folders%2Fsprint%2B1