

Project Development Phase Delivery of Sprint-1

Date	8 November 2022
Team ID	PNT2022TMID0049
Project Name	Analytics for hospital's health care data

Project Development Phase

Sprint-1:

- Data Collection ➤
- Data Preparation

Sprint-2:

- Data Exploration

Sprint-1:

Data Collection: Download the Dataset Link:

https://drive.google.com/file/d/1slCOMhsJHeuODVkhIXrdNOX_aBDySSBh/view

Sprint-3:

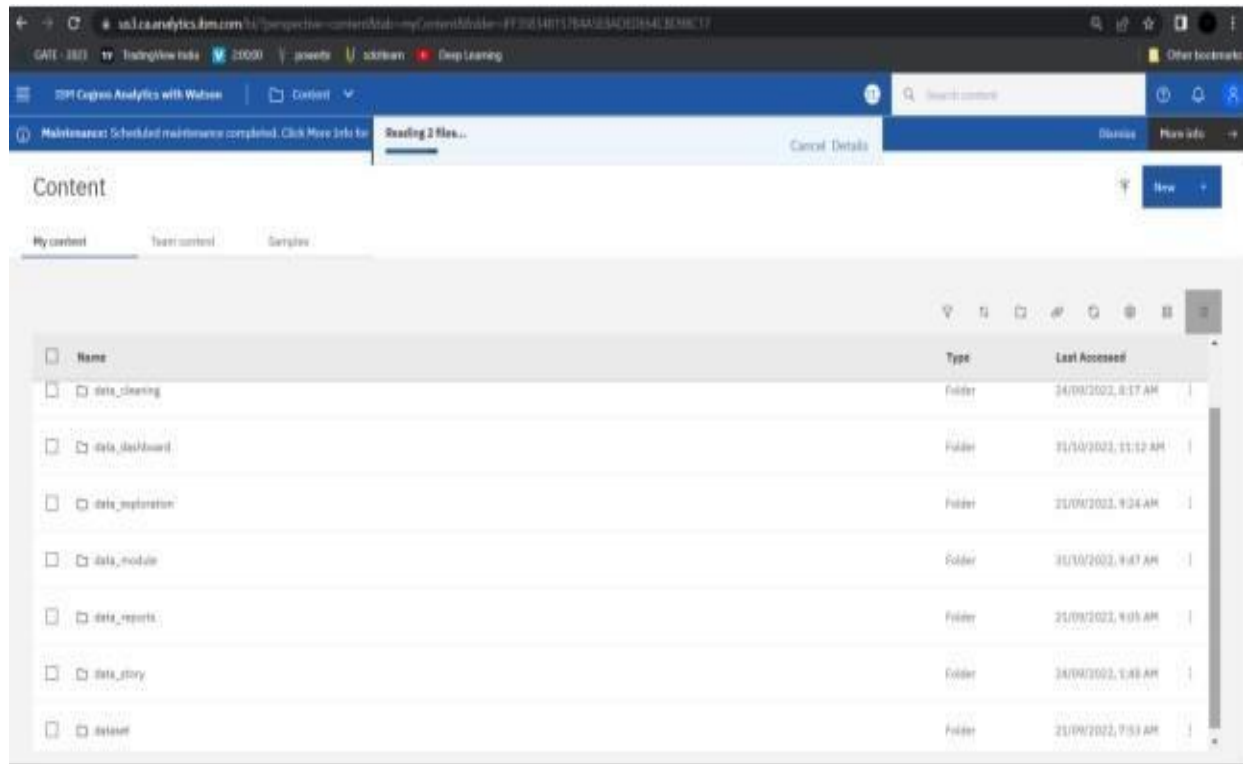
- Dashboard creation

Sprint-4:

- Report Creation ➤
- Story Creation

Load the Dataset:

Tool used: IBM Cognos Analytics



Data Preparation:

Prepare the Dataset

Hospital_code	Row Id	case_id	Hospital_code	Hospital_type_code	City_Code_Hospital	Hospital_region_code
21	1	318439	21	c	3	Z
29	2	318440	29	a	4	X
26	3	318441	26	b	2	Y
6	4	318442	6	a	6	X
28	5	318443	28	b	11	X
23	6	318444	23	a	6	X
26	7	318445	26	b	2	Y
25	8	318446	25	e	1	X
23	9	318447	23	a	6	X
23	10	318448	23	a	6	X
10	11	318449	10	e	1	X
4	12	318450	4	a	4	X
16	13	318451	16	c	3	Z
28	14		28	b	11	X

Null Values Cleaning Process:

Create calculation

Name: Visitors with Patient +

Components:

- test_data.csv
 - City_Code...tient +
 - Hospital_code
 - # Row Id
 - # case_id
 - # Hospital_code
 - abc Hospital...code
 - City_Co...spital
 - Hospit...code
 - Availabl...Hospital
 - abc Department

Expression:

```
1 IF ( Visitors_with_Patient IS missing )
2 THEN ( MEDIAN ( Visitors_with_Patient ) )
3 ELSE ( Visitors_with_Patient )
```

Preview (Execution time: 1.753 seconds)

Visitors w...atient +	Visitors with Patient
2	2
2	2

☐ Calculate after aggregation

Cancel OK

Hospital_type_code	City_Code_Hospital	Hospital_region_code	Available E...in Hospital	Department	Ward_Type	Ward_Facility_Code
c	3	Z	3	gynecology	S	A
a	4	X	2	gynecology	S	F
b	2	Y	3	gynecology	Q	D
a	6	X	3	gynecology	Q	F
b	11	X	2	gynecology	R	F
a	6	X	3	gynecology	Q	F
b	2	Y	2	gynecology	Q	D
e	1	X	4	gynecology	S	E
a	6	X	4	gynecology	Q	F
a	6	X	3	gynecology	Q	F
e	1	X	4	gynecology	Q	E
a	4	X	3	gynecology	R	F
c	3	Z	4	gynecology	R	A
b	11	Y	3	gynecology	R	F

Prepared data link :

https://ap2.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=iCB6DC2DA80B94C6695EABB38C4383360&objRef=iCB6DC2DA80B94C6695EABB38C4383360&tid=1724333042_4b0456d15d4f4de1ab03ac8afaaea773_sessionTemp