

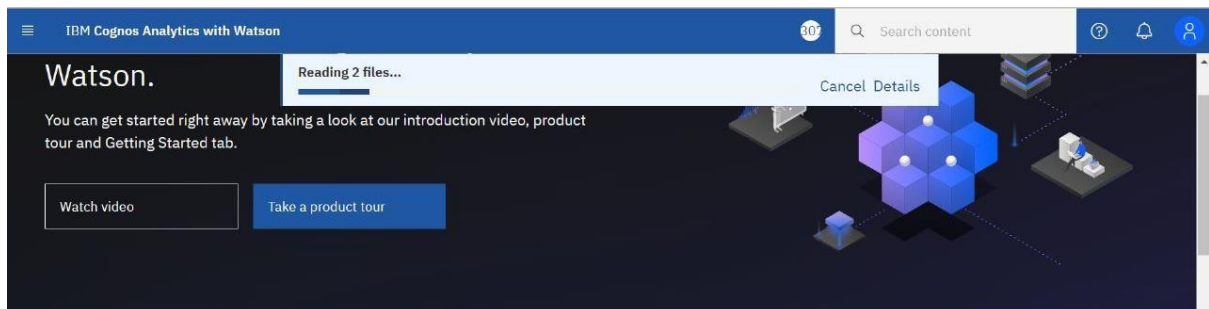
Sprint-II (USN-3)

Date	4 November 2022
Team ID	PNT2022TMID27559
Project Name	Analytics for Hospitals' Healthcare Data


DATA PREPARATION AND CLEANING:


Original Dataset: https://drive.google.com/file/d/1sIC0MhsJHeuODVkhIXrdNOX_aBDySSBh/view


Uploading the dataset




Quick launch


Upload data
Upload or drag and drop
spreadsheets, csv files,


Prepare data
Use data modules to clean
and connect data from


Exploration
Quickly find unbiased
answers by identifying


Present data
Create sophisticated,
multi-page, multi-query

Select sources

My content

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50_Startups.csv
9/17/2022, 11:38 AM

Age wise patient visualisation
11/17/2022, 6:10 AM

bubbles and radial dashboard
11/17/2022, 6:19 AM

dashboard list of patients
11/17/2022, 6:14 AM

dashboard showing waterfall, pie, bar
11/17/2022, 6:51 AM

Data Preparation
11/17/2022, 6:51 AM

Number of patients by ward type
11/17/2022, 6:03 AM

**test_data.csv
11/17/2022, 5:48 AM**

train_data.csv
11/17/2022, 5:52 AM

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Cancel

OK

IBM Cognos Analytics with Watson						
New data module						
Search content						
Properties						
Data module						
Search						
New data module						
Navigation paths						
test_data.csv						
# Row Id						
# case_id						
# Hospital_code						
Hospital_type_code						
City_Code_Hospital						
Hospital_region_code						
Available...Hospital						
Department						
Ward_Type						

Cleaning the empty cells

Create calculation

Name City_Code_Patient

Components

Search	
train_data.csv	
BedGrade	
City_Cod...Patient	
# Row Id	
# case_id	
# Hospi..._code	
abc Hospi..._code	
City_C...spital	
1	
2	
3	

Expression

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

Validation Results

The expression is valid.

☐ Calculate after aggregation

Cancel

OK

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New data module						
Search content						
Properties						
Data module						
Search						
New data module						
Navigation paths						
train_data.csv						
test_data.csv						

City_Code_Patient	Row Id	case_id	Hospital_code	Hospital_type_code	City_Code_Hospital	Hospital_region_code
7	5	5	26	b	2	Y
7	6	6	23	a	6	X
7	7	7	32	f	9	Y
7	8	8	23	a	6	X
7	9	9	1	d	10	Y
7	10	10	10	e	1	X
7	11	11	22	g	9	Y
7	12	12	26	b	2	Y
7	13	13	16	c	3	Z
7	14	14	9	d	5	Z
8	15	15	6	a	6	X
8	16	16	6	a	6	X
8	17	17	23	a	6	X

Create calculation

Name:

Components

- train_data.csv
 - BedGrade
 - City_Cod...Patient
 - # Row Id
 - # case_id
 - # Hospital_code
 - Hospital...code
 - City_C...spital
 - Hospital...code
 - Availabl...ospital
 - Department

Expression

```

1 IF(BedGrade is missing)
2 THEN (median (BedGrade ))
3 ELSE (BedGrade)

```

Validation Results

The expression is valid.

☐ Calculate after aggregation

Cancel OK

IBM Cognos Analytics with Watson

New data module

Search content

Properties

Data module

Grid Relationships Custom tables

BedGrade	City_Code_Patient	Row Id	case_id	Hospital_code	Hospital_type_code	City_Code_Hospital
2	7	1	1	8	c	3
2	7	2	2	2	c	5
2	7	3	3	10	e	1
2	7	4	4	26	b	2
2	7	5	5	26	b	2
2	7	6	6	23	a	6
3	7	7	7	32	f	9
3	7	8	8	23	a	6
4	7	9	9	1	d	10
3	7	10	10	10	e	1
2	7	11	11	22	g	9
1	7	12	12	26	b	2
3	7	13	13	16	c	3

IBM Cognos Analytics with Watson

New data module

Search content

Properties

Data module

Grid Relationships Custom tables

case_id	Hospital_code	Hospital_type_code	City_Code_Hospital	Hospital_region_code	Available E...in Hospital	Department
1	8	c	3	Z	3	radiotherapy
2	2	c	5	Z	2	radiotherapy
3	10	e	1	X	2	anesthesia
4	26	b	2	Y	2	radiotherapy
5	26	b	2	Y	2	radiotherapy
6	23	a	6	X	2	anesthesia
7	32	f	9	Y	1	radiotherapy
8	23	a	6	X	4	radiotherapy
9	1	d	10	Y	2	gynecology
10	10	e	1	X	2	gynecology
11	22	g	9	Y	2	radiotherapy
12	26	b	2	Y	4	radiotherapy
13	16	c	3	Z	2	radiotherapy

Prepared Dataset:

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