ANALYTICS FOR HOSPITAL'S HEALTH-CARE DATA

PROJECT DEVELOPMENT PHASE

SUBMITTED BY

Ravichandran S

Kuraloviyan S

Ezhil Raj J

Sivaraja K

PROJECT DEVELOPMENT PHASE
DELIVERY OF SPRINT-1

Team ID	PNT2022TMID48047
Project Name	Analytics for Hospitals' Health-Care Data

PROJECT DEVELOPMENT PHASE

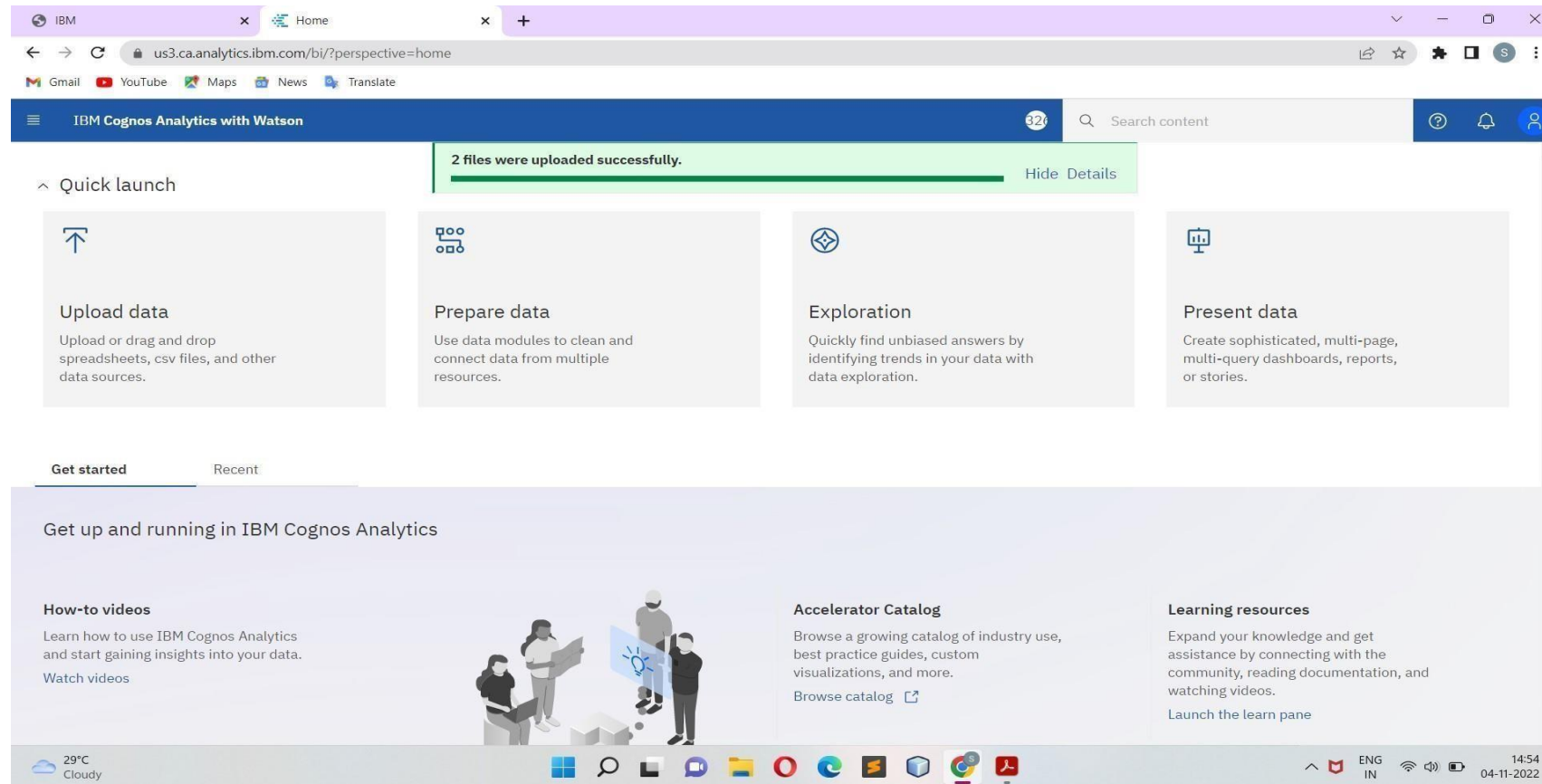| Sprint-1:	Sprint-3:
O Data Collection	O Dashboard Creation
O Data Preparation	**Sprint-4:**
Sprint-2:	O Report Creation
O Data Exploration	O Story Creation

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:

Create calculation ✕

Name Bed Grade

Components

Q Search

⊞ test_data.csv
- ▶ # Row Id
- ▶ # case_id
- ▶ # Hospital_code
- ▶ abc Hospit..._code
- ▶ ⦿ City_Co...spital
- ▶ ⦿ Hospit..._code
- L▸ Availabl...Hospital
- ▶ abc Department
- ▶ abc Ward_Type
- ▶ abc Ward_..._Code

Expression

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```
1  if(Bed_Grade is missing)
2  then(median(Bed_Grade))
3  else(Bed_Grade)
```

Validation Results ✕

✓ The expression is valid.

☐ Calculate after aggregation

| Cancel | OK |

Hospital Data:

us3.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=iD3A847A2619A41FAAA164DA43AF118C0&objRef=iD3A847A2619A41FAAA164DA43AF118C0&tid=3370522320_7739ed71edfc420...

Gmail | YouTube | Maps | News | Translate

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Data module   + ⊘

Grid | Relationships | Custom tables

Search

	Bed Grade	patientid	City_Code_Patient	Type of Admission	Severity of Illness	Visitors with Patient	Age
▸ # case_id	2	17006	2	Emergency	Moderate	2	71-80
▸ # Hospital_code	2	17006	2	Trauma	Moderate	4	71-80
▸ abc Hospital_type_code	4	17006	2	Emergency	Moderate	3	71-80
▸ ⊙ City_Code_Hospital	2	17006	2	Trauma	Moderate	3	71-80
▸ ⊙ Hospital...ion_code	2	17006	2	Trauma	Moderate	4	71-80
⊟ Available... Hospital	2	17006	2	Trauma	Moderate	2	71-80
▸ abc Department	2	17006	2	Trauma	Moderate	2	71-80
▸ abc Ward_Type	3	95946	Null	Emergency	Moderate	2	31-40
▸ abc Ward_Facility_Code	3	95946	Null	Trauma	Moderate	2	31-40
⊟ Bed Grade	4	95946	Null	Urgent	Moderate	2	31-40
⊟ patientid	2	95946	Null	Trauma	Moderate	2	31-40
⊙ City_Code_Patient	3	95946	Null	Emergency	Moderate	6	31-40
▸ abc Type of Admission	3	95946	Null	Trauma	Moderate	3	31-40
▸ abc Severity of Illness							
⊟ Visitors ...h Patient							
▸ abc Age							
⊟ Admission_Deposit							

Properties

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Data module

Search

- # case_id
- # Hospital_code
- abc Hospital_type_code
- City_Code_Hospital
- Hospital...ion_code
- Available... Hospital
- abc Department
- abc Ward_Type
- abc Ward_Facility_Code
- Bed Grade
- patientid
- City_Code_Patient
- abc Type of Admission
- abc Severity of Illness
- Visitors ...h Patient
- abc Age
- Admission_Deposit

Grid   **Relationships**   **Custom tables**

Bed Grade	patientid	City_Code_Patient	Type of Admission	Severity of Illness	Visitors with Patient	Age
2	17006	2	Emergency	Moderate	2	71-80
2	17006	2	Trauma	Moderate	4	71-80
4	17006	2	Emergency	Moderate	3	71-80
2	17006	2	Trauma	Moderate	3	71-80
2	17006	2	Trauma	Moderate	4	71-80
2	17006	2	Trauma	Moderate	2	71-80
2	17006	2	Trauma	Moderate	2	71-80
3	95946	Null	Emergency	Moderate	2	31-40
3	95946	Null	Trauma	Moderate	2	31-40
4	95946	Null	Urgent	Moderate	2	31-40
2	95946	Null	Trauma	Moderate	2	31-40
3	95946	Null	Emergency	Moderate	6	31-40
3	95946	Null	Trauma	Moderate	3	31-40

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