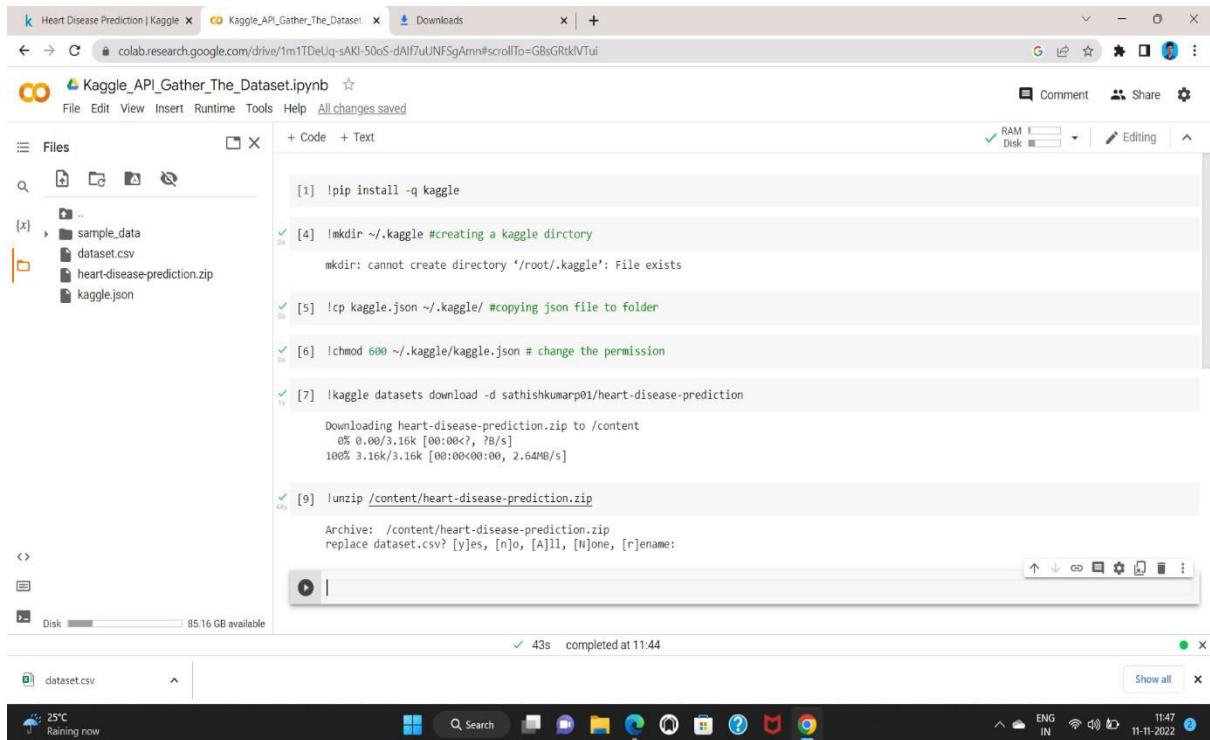


Sprint Delivery Plan I

Date	28 October 2022
Team ID	PPNT2022TMID34185
Project Name	Project - Visualizing and Predicting Heart Diseases with an Interactive Dashboard

Fetch data from external API (Kaggle API). (Ipynb file)



The screenshot shows a Jupyter Notebook titled "Kaggle_API_Gather_The_Dataset.ipynb" in a Google Colab environment. The notebook contains the following code cells:

```
[1] !pip install -q kaggle
```

```
[4] !mkdir ~/.kaggle #creating a kaggle directory
```

Output for [4]:

```
mkdir: cannot create directory '/root/.kaggle': File exists
```

```
[5] !cp kaggle.json ~/.kaggle/ #copying json file to folder
```

```
[6] !chmod 600 ~/.kaggle/kaggle.json # change the permission
```

```
[7] !kaggle datasets download -d sathishkumarp01/heart-disease-prediction
```

Output for [7]:

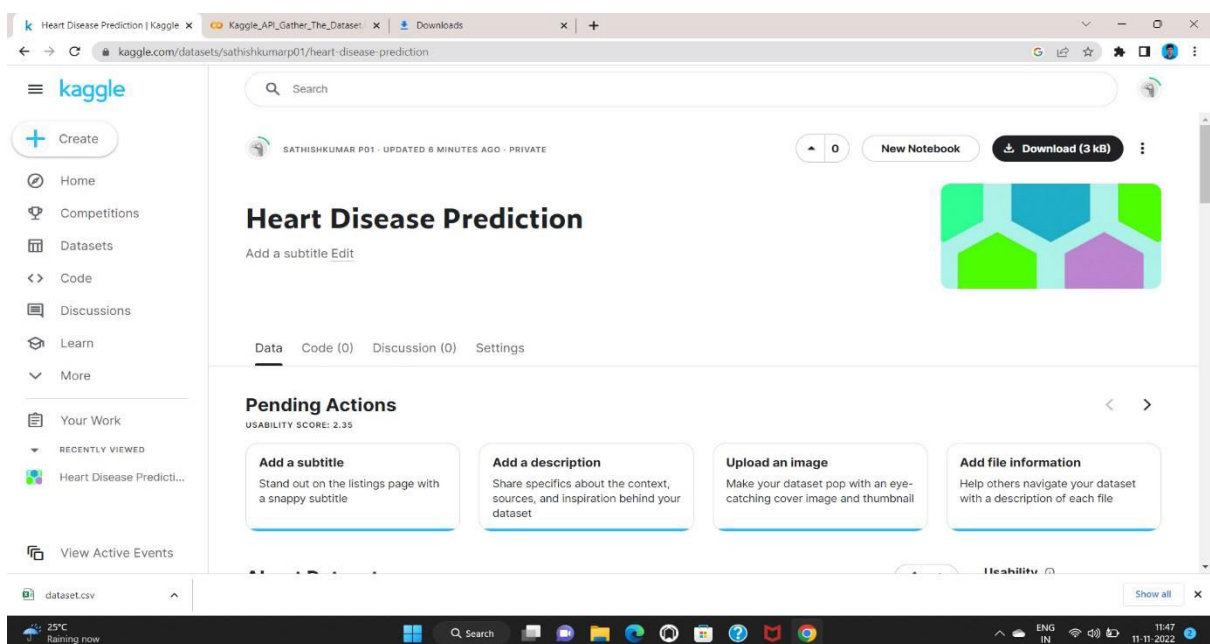
```
Downloading heart-disease-prediction.zip to /content
0% 0.00/3.16k [00:00<, 78/s]
100% 3.16k/3.16k [00:00<00:00, 2.64MB/s]
```

```
[9] !unzip /content/heart-disease-prediction.zip
```

Output for [9]:

```
Archive: /content/heart-disease-prediction.zip
replace dataset.csv? [y]es, [n]o, [A]ll, [N]one, [r]ename:
```

The notebook interface shows the file explorer on the left with files: sample_data, dataset.csv, heart-disease-prediction.zip, and kaggle.json. The status bar at the bottom indicates "43s completed at 11:44".



Heart Disease Prediction | x My IBM x Home x Service Details - IBM Cloud x IBM Db2 on Cloud x Kaggle_API_Gather_The_D...

kaggle.com/datasets/sathishkumar01/heart-disease-prediction

Search

SATHISHKUMAR P01 · UPDATED 6 MINUTES AGO · PRIVATE

0 New Notebook Download (3 kB)

Heart Disease Prediction

Add a subtitle [Edit](#)

Data Code (0) Discussion (0) Settings

Pending Actions

USABILITY SCORE: 2.35

Add a subtitle

Stand out on the listings page with a snappy subtitle

Add a description

Share specifics about the context, sources, and inspiration behind your dataset

Upload an image

Make your dataset pop with an eye-catching cover image and thumbnail

Add file information

Help others navigate your dataset with a description of each file

Kaggle_API_Gat...ipynb dataset.csv

26°C Raining now

Heart Disease Prediction | x My IBM x Home x Service Details - IBM Cloud x IBM Db2 on Cloud x Kaggle_API_Gather_The_D...

kaggle.com/datasets/sathishkumar01/heart-disease-prediction

Search

Heart Disease Prediction

Data Code (0) Discussion (0) Settings

dataset.csv (10.11 kB)

Detail Compact Column 10 of 14 columns

About this file

This file does not have a description yet.

# age	# sex	# cp	# trestbps	# chol	# f
29	0	1	94	126	0
70	1	4	130	322	0
67	0	3	115	564	0
57	1	2	124	261	0
64	1	4	128	263	0
74	0	2	120	269	0
65	1	4	120	177	0

Summary

Kaggle_API_Gat...ipynb dataset.csv

26°C Raining now

IBM DB2 service creation and DB2 connectivity with Cognos. (Pdf file)

Heart Disease Prediction | Kaggle | My IBM | Home | Unlock the power of IBM Cloud | +

us3.ca.analytics.ibm.com/bi/?perspective=home

IBM Cognos Analytics with Watson

Search content

Data server connections

Name	Modified
Heart Disease Prediction Test	11/11/2022 00:59
Weather Company	31/03/2022 22:38

Heart Disease Prediction Test

Owner: SATHI ... 84ad84 | Created: 11/11/2022, 00:59 | Modified: 11/11/2022, 00:59 | Type: Data Server

General | **Connections** | Permissions

Name	Modified
Heart Disease Predi ... Test	11/11/2022 01:19

Heart Disease Prediction Test

Owner: SATHI ... 84ad84 | Created: 11/11/2022, 00:59 | Modified: 11/11/2022, 01:19 | Type: Connection

General | Settings | **Schemas** | Permissions

Status	Schema name	Tables loaded
<input type="radio"/>	AUDIT	
<input type="radio"/>	DB2INST1	
<input type="radio"/>	ERRORSCHEMA	
<input checked="" type="radio"/>	FGV20212	1 / 1

Show system schemas

Kaggle_API_Gat...ipynb | dataset.csv

26°C Raining now | Search | ENG IN | 13:09 11-11-2022

Heart Disease Prediction | Kaggle | My IBM | Home | Catalog - IBM Cloud | +

cloud.ibm.com/catalog

IBM Cloud

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Sell on IBM Cloud | Catalog settings

Catalog

db2

- Db2
- Db2 Warehouse
- SAP NetWeaver (ABAP stack) with DB2 standard system

Containers (9) | Networking (30) | Storage (20) | AI / Machine Learning (17) | Analytics (10) | Blockchain (1) | Database (20)

Analytics Engine

By IBM

Submit your Apache Spark applications as needed and customize the Spark runtimes to satisfy the requirements of your application.

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AnonTech ViziVault Platform

By Anon Technology, Inc.

Manage personal information as-a-service safely, securely, and in compliance with data privacy regulations using ViziVault

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By IBM

An enterprise-grade platform for creating, securing, managing, sharing, monetizing, and analyzing custom APIs located on-premises and on the cloud.

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Kaggle_API_Gat...ipynb | dataset.csv

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Sell on IBM Cloud Catalog settings

Catalog

db2

- Db2
- Db2 Warehouse
- SAP NetWeaver(ABAP stack) with DB2 standard system

Containers (9)

Networking (30)

Storage (20)

AI / Machine Learning (17)

Analytics (10)

Blockchain (1)

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Manage personal information as-a-service safely, securely, and in compliance with data privacy regulations using ViziVault

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By IBM

An enterprise-grade platform for creating, securing, managing, sharing, monetizing, and analyzing custom APIs located on-premises and on the cloud.

Lite • Free • EU Supported • IAM-enabled • IBM supported

Kaggle_API_Gat...ipynb dataset.csv

Show all

26°C Raining now

ENG IN 13:05 11-11-2022

Heart Disease Prediction | Kaggle | My IBM | Home | Db2 - IBM Cloud

cloud.ibm.com/catalog/services/db2

IBM Cloud Search resources and products...

Catalog /

Db2

A fully managed, highly-performant relational data store running the enterprise-class Db2 database engine.

Create About

Type Service

Provider IBM

Last updated 11/10/2022

Category Databases

Compliance EU Supported HIPAA Enabled IAM-enabled

Location Sydney Frankfurt London Dallas Sao Paulo

Select a location

Dallas (us-south)

Select a pricing plan

Displayed prices do not include tax. Monthly prices shown are for country or location: [United States](#)

Plan	Features	Pricing
Lite	200 MB of data storage 5 simultaneous connections Shared multi-tenant system	Free

The Free plan provides a free Db2 service for development and evaluation. The plan has a set amount of limitations as shown. You can continue using the free plan for as long as needed, however, users are asked to re-extend their free account every 90 days by email. If you do not re-extend, your free account is cleaned out a further 90 days later. This helps provide free resources for everyone.

Summary

Db2 Free

Location: Dallas

Plan: Lite

Service name: Db2-l8

Resource group: Default

☒ I have read and agree to the following license agreements:
[Terms](#)

Create

Add to estimate

Kaggle_API_Gat...ipynb dataset.csv

Show all

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ENG IN 13:05 11-11-2022

Heart Disease Prediction | Kaggle x My IBM x Home x Resource list - IBM Cloud x

cloud.ibm.com/resources

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Resource list

Create resource +

Name	Group	Location	Product	Status	Tags
Filter by name or IP address... Filter by group or org... Filter... Filter... Filter... Filter...					
Compute (0)					
Containers (0)					
Networking (0)					
Storage (0)					
AI / Machine Learning (0)					
Analytics (0)					
Blockchain (0)					
Databases (1)					
Db2-9m	Default	Dallas	Db2	Active	
Developer tools (0)					
Logging and monitoring (0)					
Migration (0)					

Waiting for 68400d47.akstatio...

Kaggle_API_Gat...ipynb dataset.csv

Show all x

26°C Raining now

ENG IN 1304 11-11-2022

Heart Disease Prediction | Kaggle x My IBM x Home x Resource list - IBM Cloud x

cloud.ibm.com/resources

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Resource list

Create resource +

Name	Group	Location	Product	Status	Tags
Filter by name or IP address... Filter by group or org... Filter... Filter... Filter... Filter...					
Compute (0+)					
Containers (0+)					
Networking (0+)					
Storage (0+)					
AI / Machine Learning (0+)					
Analytics (0+)					
Blockchain (0+)					
Databases (0+)					
Developer tools (0+)					
Logging and monitoring (0+)					
Migration (0+)					

Waiting for 68400d47.akstatio...

Kaggle_API_Gat...ipynb dataset.csv

Show all x

26°C Raining now

ENG IN 1304 11-11-2022

Heart Disease Prediction | Kaggle x My IBM x Home x Service Details - IBM Cloud x IBM Db2 on Cloud x

cloud.ibm.com/services/dashdb-for-transactions/cm%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aus-south%3Aa%2F36665efecddc4f9c8981cfe62e8d0880%3A027252a2-9c6...

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Resource list / Db2-9m Active Add tags Details Actions...

Manage

- Getting started
- Service credentials
- Connections

Getting started

Where can I find my credentials?

Get your username and password by clicking the "Service Credentials" link to the left and selecting "New Credentials".

Don't see this menu on the left? Click on "Manage in IBM Cloud" to open the IBM Cloud dashboard.

Go to UI Getting started docs

Need help?

Submit a IBM Cloud Support Case to our team.

Support case

https://cloud.ibm.com/services/dashdb-for-transactions/cm%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aus-south%3Aa%2F36665efecddc4f9c8981cfe62e8d0880%3A027252a2-9c64-4bc8-ab4a-04acad56e66d%3A%3A?panelId=manage

Kaggle_API_Gat...ipynb dataset.csv Show all

26°C Raining now

Heart Disease Prediction | Kaggle x My IBM x Home x Service Details - IBM Cloud x IBM Db2 on Cloud x

bpe61bfd0365e9u4psdglite.db2.cloud.ibm.com/cm%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aus-south%3Aa%2F36665efecddc4f9c8981cfe62e8d0880%3A027252a2-9c64...

IBM Db2 on Cloud

Overview In-flight executions Connections Table performance

Resource usage

Last 1 hour

Storage (DM / DM)

0% current value

Storage usage (%)

100

80

60

40

20

0

12:02 PM 12:20 PM 12:40 PM 01:02 PM

Time

Kaggle_API_Gat...ipynb dataset.csv Show all

26°C Raining now

Heart Disease Prediction | Kaggle

My IBM

Home

Service Details - IBM Cloud

IBM Db2 on Cloud

cloud.ibm.com/services/dashdb-for-transactions/crn%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aus-south%3Aa%2F36665efecddc4f9c8981cfe62e8d0800%3A027252a2-9c6...

IBM Cloud

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SATHISHKUMAR P's Ac...

Resource list /

Db2-9m

Active

Add tags

Details

Actions...

Manage

Getting started

Service credentials

Connections

Service credentials

You can generate a new set of credentials for cases where you want to manually connect an app or external consumer to an IBM Cloud service. [Learn more](#)

Search credentials...

New credential

Key name	Date created
Service credentials-1	2022-11-11 12:14 PM

Kaggle_API_Gat...ipynb

dataset.csv

Show all

26°C Raining now

Search

ENG IN

1302 11-11-2022

Heart Disease Prediction | Kaggle

My IBM

Home

Service Details - IBM Cloud

IBM Db2 on Cloud

cloud.ibm.com/services/dashdb-for-transactions/crn%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aus-south%3Aa%2F36665efecddc4f9c8981cfe62e8d0800%3A027252a2-9c6...

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SATHISHKUMAR P's Ac...

Resource list /

Db2-9m

Active

Add tags

Details

Actions...

Manage

Getting started

Service credentials

Connections

Service credentials

You can generate a new set of credentials for cases where you want to manually connect an app or external consumer to an IBM Cloud service. [Learn more](#)

Search credentials...

New credential

Key name	Date created
Service credentials-1	2022-11-11 12:14 PM

```
{
  "connection": {
    "cli": {
      "arguments": [
        "-u",
        "fgv20212",
        "-p",
        "sC8FV5808hM9zAud",
        "--ssl",
        "--sslCAFile",
        "2ce1ab40-7379-45d8-a40c-38dcafa95d0",
        "--authenticationDatabase",
        "admin",
        "--host",
        "98538591-7217-4024-b027-8baa776ffad1.c3n41cmd8nqn1k39u98g.databases.appdomain.cloud:38875"
      ]
    }
  }
}
```

Kaggle_API_Gat...ipynb

dataset.csv

Show all

26°C Raining now

Search

ENG IN

1302 11-11-2022

Heart Disease Prediction | Kaggle | My IBM | Home | Service Details - IBM Cloud | IBM Db2 on Cloud

bpe61bfd0365e9u4psdglite.db2.cloud.ibm.com/crm%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aus-south%3Aa%2F3665efecddc4f9c8981cf62e8d0880%3AQ27252a2-9c64...

IBM Db2 on Cloud

Load Data | Load History | Tables | Views | Indexes | Aliases | MQTs | Sequences | Application objects

Source Target Define Finalize

You are loading the file **Heart_Disease_Prediction.csv** into **FGV20212.HEARTDISEASE**

Review settings

Summary

Code page:	1208 (Default)
Separator:	, (Default)
Time format:	HH:MM:SS (Default)
Date format:	YYYY-MM-DD (Default)
Timestamp format:	YYYY-MM-DD HH:MM:SS (Default)
String delimiter:	(Default)

Option

Maximum number of warnings

1000

Back Begin Load

Kaggle_API_Gat...ipynb dataset.csv Show all

26°C Raining now

Heart Disease Prediction | Kaggle | My IBM | Home | Service Details - IBM Cloud | IBM Db2 on Cloud

bpe61bfd0365e9u4psdglite.db2.cloud.ibm.com/crm%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aus-south%3Aa%2F3665efecddc4f9c8981cf62e8d0880%3AQ27252a2-9c64...

IBM Db2 on Cloud

Load Data | Load History | Tables | Views | Indexes | Aliases | MQTs | Sequences | Application objects

Load Data

My computer Target

Heart_Disease_Prediction.csv FGV20212.HEARTDISEASE

View Table Load More Data

COMPLETE

Status Settings

Errors 0 Warnings 0

270 Rows read 270 Rows loaded 0 Rows rejected

Start time 11/11/2022 1:03:06 PM

End time 11/11/2022 1:03:20 PM

The data load job succeeded.
You can now work with your data.

No errors

Kaggle_API_Gat...ipynb dataset.csv Show all

26°C Raining now

Heart Disease Prediction | Kaggle | My IBM | Home | Service Details - IBM Cloud | IBM Db2 on Cloud

us3.ca.analytics.ibm.com/bi/perspective-home

IBM Cognos Analytics with Watson

Search content

Data server connections

Name	Modified
Heart Disease Prediction Test	11/11/2022 00:59
Weather Company	31/03/2022 22:38

Heart Disease Prediction Test

Owner: SATHI ... 84ad84 | Created: 11/11/2022, 00:59 | Modified: 11/11/2022, 00:59 | Type: Data Server

General | **Connections** | Permissions

Name	Modified
Heart Disease Predi ... Test	11/11/2022 01:19

Heart Disease Prediction Test

Owner: SATHI ... 84ad84 | Created: 11/11/2022, 00:59 | Modified: 11/11/2022, 01:19 | Type: Connection

General | **Settings** | Schemas | Permissions

Connection details

Authentication method

- ☒ Connect anonymously
- ☐ Prompt for the user ID and password
- ☐ Use an external namespace
- ☐ Use the following signon:

Test Success

Save

Kaggle_API_Gat...ipynb | dataset.csv

26°C Raining now

Heart Disease Prediction | Kaggle | My IBM | Home | Service Details - IBM Cloud | IBM Db2 on Cloud

hpn61bfdd365e9u4psdglite.db2.cloud.ibm.com/cm%3Av1%3Abluemix%3APublic%3Adashdb-for-transactions%3Aus-south%3AA%2F36667efecdd4f9c881cf62e8d08809%3A027252a2-9r64...

IBM Db2 on Cloud

Load Data | Load History | Tables | Views | Indexes | Aliases | MQTs | Sequences | Application objects

Source: You are loading the file **Heart_Disease_Prediction.csv** into **FGV20212.HEARTDISEASE**

Code page (character encoding): 1208 (UTF-8) | Separator: | Header in first row: ☒ | Time & date format: | Detect data types: ☐

	AGE SMALLINT	SEX SMALLINT	CHEST_PAIN_TYPE SMALLINT	BP SMALLINT	CHOLESTEROL SMALLINT	FBS_OVER_120 SMALLINT	EKG_RESULTS SMALLINT	MAX_HR SMALLINT	EXERCISE SMALLINT
1	70	1	4	130	322	0	2	109	0
2	67	0	3	115	564	0	2	160	0
3	57	1	2	124	261	0	0	141	0
4	64	1	4	128	263	0	0	105	1
5	74	0	2	120	269	0	2	121	1
6	65	1	4	120	177	0	0	140	0
7	56	1	3	130	256	1	2	142	1
8	59	1	4	110	239	0	2	142	1
9	60	1	4	140	293	0	2	170	0
10	63	0	4	150	407	0	2	154	0

Back Next

Kaggle_API_Gat...ipynb | dataset.csv

26°C Raining now

Heart Disease Prediction | Kaggle | My IBM | Home | Unlock the power of IBM Cloud

us3.ca.analytics.ibm.com/bi/perspective-home

IBM Cognos Analytics with Watson

Search content

Data server connections

Name	Modified
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Heart Disease Prediction Test

Owner: SATHI ... 84ad84 | Created: 11/11/2022, 00:59 | Modified: 11/11/2022, 00:59 | Type: Data Server

General | **Connections** | Permissions

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Owner: SATHI ... 84ad84 | Created: 11/11/2022, 00:59 | Modified: 11/11/2022, 01:19 | Type: Connection

General | **Schemas** | Permissions

Status	Schema name	Tables loaded
<input type="radio"/>	AUDIT	
<input type="radio"/>	DB2INST1	
<input type="radio"/>	ERRORSCHEMA	
<input checked="" type="radio"/>	FGV20212	1 / 1

Show system schemas

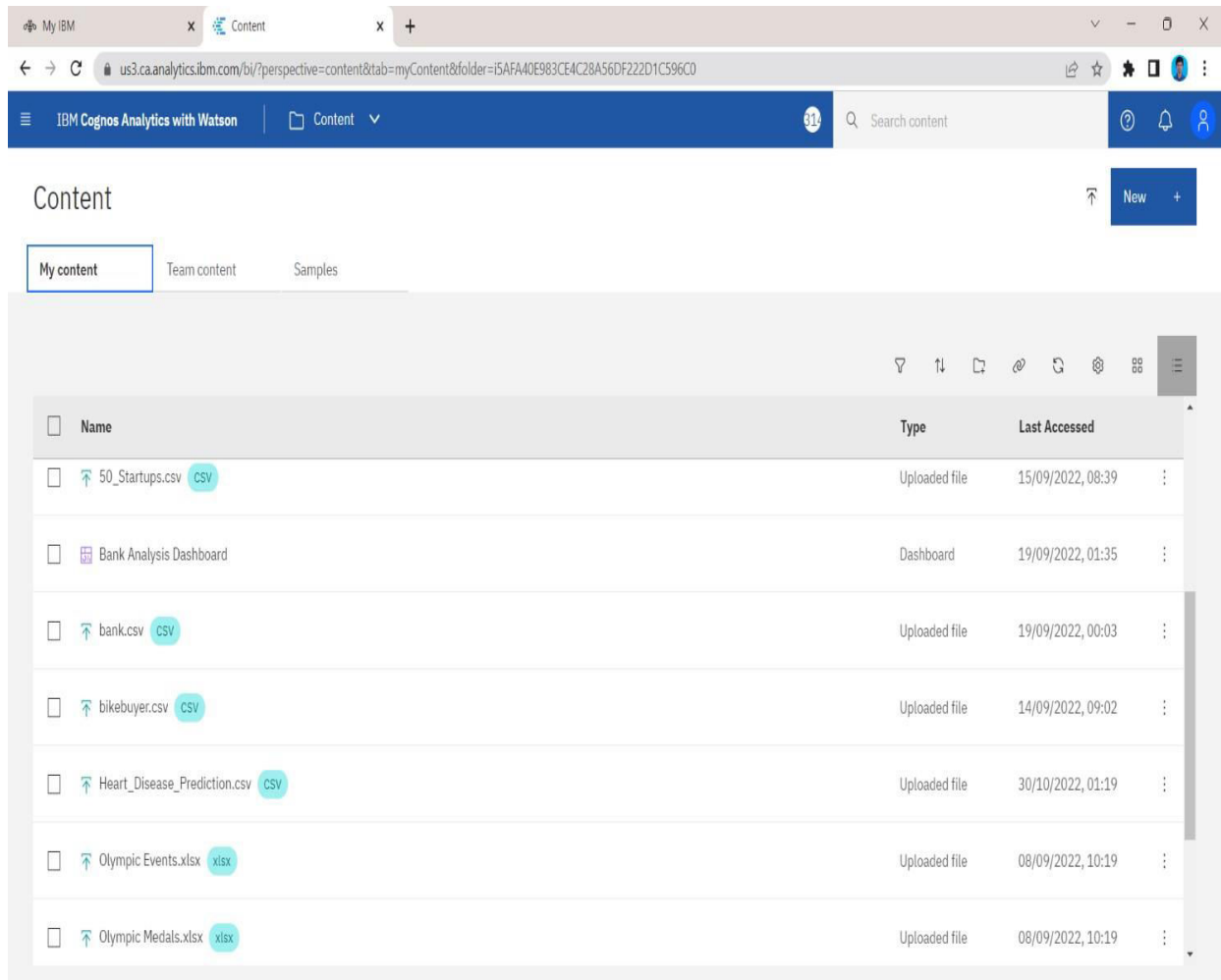
Kaggle_API_Gat...ipynb | dataset.csv

26°C Raining now

Uploading Heart disease Prediction Dataset Using Cognos Analysis:

USN-1:

- As a user, I can gather the details of the patients and storing the data set.
- Uploading the dataset of heart_disease_prediction.csv file to IBM Cognos Analytics.



Data Cleaning and Data Processing using Cognos Analytics:

USN-2:

- As an Analyst, I will check the data set and clean the dataset to create an efficient model.
- To Data cleaning the null values in heart_disease_prediction.csv Dataset.

My IBM | New data module

us3.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=3370522320_0ebdf676439d4d6d9ee10a3666186862_sessionTemp&objRef=&tid=3370522320_0ebdf676439d4d6d9ee10a3666186...

IBM Cognos Analytics with Watson | New data module

Search content

Properties

Data module

new data module

Navigation paths

Heart_Disease...ction.csv

Row Id

Age

Sex

Chest pain type

BP

Cholesterol

FBS over 120

EKG results

Max HR

Exercise angina

ST depression

Slope of ST

Number of...ls fluoro

Thallium

Heart Disease

Row Id	Age	Sex	Chest pain type	BP	Cholesterol	FBS over 120
1	70	1	Null	130	322	0
2	67	0	3	115	564	0
3	57	1	2	124	261	0
4	64	1	4	128	263	0
5	74	0	2	120	269	0
6	65	1	4	120	177	0
7	56	1	3	130	256	1
8	59	1	4	110	239	0
9	60	1	Null	140	293	0
10	63	0	4	150	407	0
11	59	1	4	135	234	0
12	53	1	4	142	226	0
13	44	1	3	140	235	0
14	61	1	1	134	234	0

Speaker (Realtek(R) Audio): 39%

My IBM | New data module

us3.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=3370522320_0ebdf676439d4d6d9ee10a3666186862_sessionTemp&objRef=&tid=3370522320_0ebdf676439d4d6d9ee10a3666186...

IBM Cognos Analytics with Watson | New data module

Search content

Properties

Data module

new data module

Navigation paths

Heart_Disease...ction.csv

Row Id

Age

Sex

Chest pain type

BP

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FBS over 120

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Max HR

Exercise angina

ST depression

Slope of ST

Number of...ls fluoro

Thallium

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Row Id	Age	Sex	Chest p	Cholesterol	FBS over 120
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2	67	0	3	564	0
3	57	1	2	261	0
4	64	1	4	263	0
5	74	0	2	269	0
6	65	1	4	177	0
7	56	1	3	256	1
8	59	1	4	239	0
9	60	1	Null	293	0
10	63	0	4	407	0
11	59	1	4	234	0
12	53	1	4	226	0
13	44	1	3	235	0
14	61	1	1	234	0

Filter...

Create calculation...

Create data group...

Hide from users

Remove

Format data...

Clean...

Sort descending

Sort ascending

Properties

My IBM * New data module

us3.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=3370522320_0ebdf676439d4d6d9ee10a3666186862_sessionTemp&objRef=&tid=3370522320_0ebdf676439d4d6d9ee10a3666186...

IBM Cognos Analytics with Watson * New data module Search content

Data module

Search

new data module

Navigation paths

Heart_Disease...ction.csv

Row Id

Age

Sex

Chest pain type

BP

Cholesterol

FBS over 120

EKG results

Max HR

Exercise angina

ST depression

Slope of ST

Number of...s fluoro

Thallium

Heart Disease

Row Id	Age	Sex	Chest pain type	BP	Cholesterol	FBS over 120
1	70	1	4	130	322	0
2	67	0	3	115	564	0
3	57	1	2	124	261	0
4	64	1	4	128	263	0
5	74	0	2	120	269	0
6	65	1	4	120	177	0
7	56	1	3	130	256	1
8	59	1	4	110	239	0
9	60	1	4	140	293	0
10	63	0	4	150	407	0
11	59	1	4	135	234	0
12	53	1	4	142	226	0
13	44	1	3	140	235	0
14	61	1	1	134	234	0

My IBM * New data module

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Data module

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new data module

Navigation paths

Heart_Disease...ction.csv

Row Id

Age

Sex

Chest pain type

BP

Cholesterol

FBS over 120

EKG results

Max HR

Exercise angina

ST depression

Slope of ST

Number of...s fluoro

Thallium

Heart Disease

Exercise angina	ST depression	Slope of ST	Number of vessels fluoro	Thallium	Heart Disease
0	2.4	2	3	3	Presence
0	1.6	2	Null	7	Absence
0	0.3	1	Null	7	Presence
1	0.2	2	1	7	Absence
1	0.2	1	1	3	Absence
0	0.4	1	Null	7	Absence
1	0.6	2	1	6	Presence
1	1.2	2	1	7	Presence
0	1.2	2	2	7	Presence
0	4	2	3	7	Presence
0	0.5	2	0	7	Absence
1	0	1	0	7	Absence
0	0	1	0	3	Absence
0	2.6	2	2	3	Presence

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 - BP
 - Cholesterol
 - FBS over 120
 - EKG results
 - Max HR
 - Exercise angina
 - ST depression
 - Slope of ST
 - Number of...ls fluoro
 - Thallium
 - Heart Disease

	Exercise angina	ST depression	Slope of ST	Num	Heart Disease
0	2.4	2	3	Filter...	Presence
0	1.6	2	Null	Create calculation...	Absence
0	0.3	1	Null	Create data group...	Presence
1	0.2	2	1	Hide from users	Absence
1	0.2	1	1	Remove	Absence
0	0.4	1	Null	Format data...	Absence
1	0.6	2	1	Clean...	Absence
1	1.2	2	1	Sort descending	Absence
0	1.2	2	2	Sort ascending	Presence
0	4	2	3	Properties	Presence
0	0.5	2	0		Absence
1	0	1	0		Absence
0	0	1	0		Absence
0	2.6	2	2		Presence

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 - Slope of ST
 - Number of...ls fluoro
 - Thallium
 - Heart Disease

	Exercise angina	ST depression	Slope of ST	Number of vessels fluoro	Thallium	Heart Disease
0	2.4	2	3	3	3	Presence
0			Null	7		Absence
0			Null	7		Presence
1			1	7		Absence
1			1	3		Absence
0			Null	7		Absence
1			1	6		Presence
1			1	7		Presence
0			2	7		Presence
0	4	2	3	7		Presence
0	0.5	2	0	7		Absence
1	0	1	0	7		Absence
0	0	1	0	3		Absence
0	2.6	2	2	2		Presence

Clean - Number of vessels fluoro

NULL values

☐ Replace this value with NULL

☒ Replace NULL values with 0

Cancel Clean

My IBM

New data module

us3.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=3370522320_0ebdf676439d4d6d9ee10a3666186862_sessionTemp&objRef=&tid=3370522320_0ebdf676439d4d6d9ee10a3666186...

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Max HR

Exercise angina

ST depression

Slope of ST

Number of...ls fluoro

Thallium

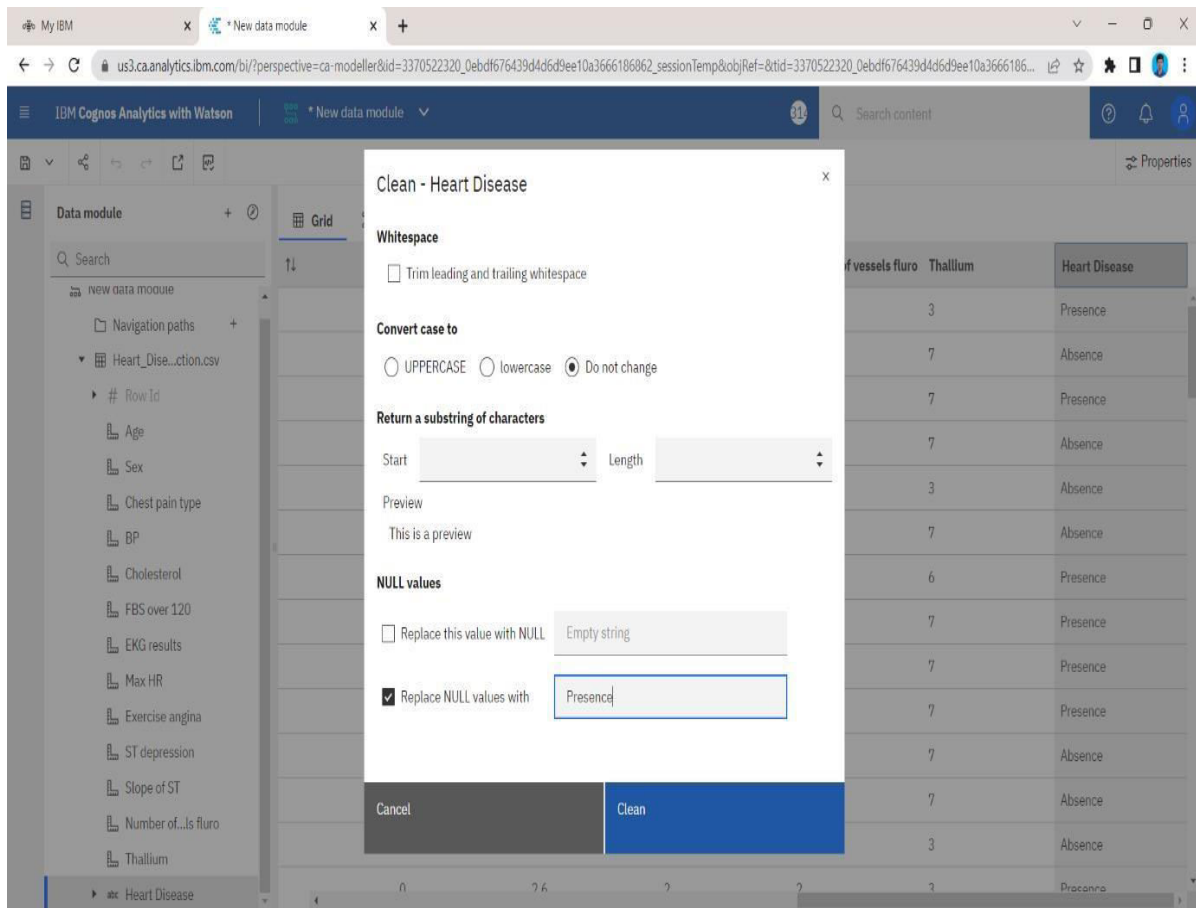
Heart Disease

↓	Exercise angina	ST depression	Slope of ST	Number of vessels fluoro	Thallium	Heart Disease
0	2.4	2	3	3	Presence	
0	1.6	2	0	7	Absence	
0	0.3	1	0	7	Presence	
1	0.2	2	1	7	Absence	
1	0.2	1	1	3	Absence	
0	0.4	1	0	7	Absence	
1	0.6	2	1	6	Presence	
1	1.2	2	1	7	Presence	
0	1.2	2	2	7	Presence	
0	4	2	3	7	Presence	
0	0.5	2	0	7	Absence	
1	0	1	0	7	Absence	
0	0	1	0	3	Absence	
0	2.6	2	2	3	Presence	

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us3.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=3370522320_0ebdf676439d4d6d9ee10a3666186862_sessionTemp&objRef=&tid=3370522320_0ebdf676439d4d6d9ee10a3666186...

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Exercise angina

ST depression

Slope of ST

Number of...ls fluoro

Thallium

Heart Disease

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	Exercise angina	ST depression	Slope of ST	Number of vessels fluoro	Thallium	Heart Disease
						Absence
1	3.4	3	0	7	Presence	
1	0.9	2	0	7	Presence	
1	0	1	2	7	Presence	
1	1.9	1	1	7	Presence	
0	0	1	0	3	Presence	
0	0	1	0	3	Absence	
0	0	1	0	3	Absence	
0	0	1	0	7	Presence	
0	0	1	0	3	Absence	
1	0.4	1	0	3	Absence	
0	0	1	0	7	Absence	
0	2.2	2	1	6	Presence	
0	0	1	0	3	Absence	

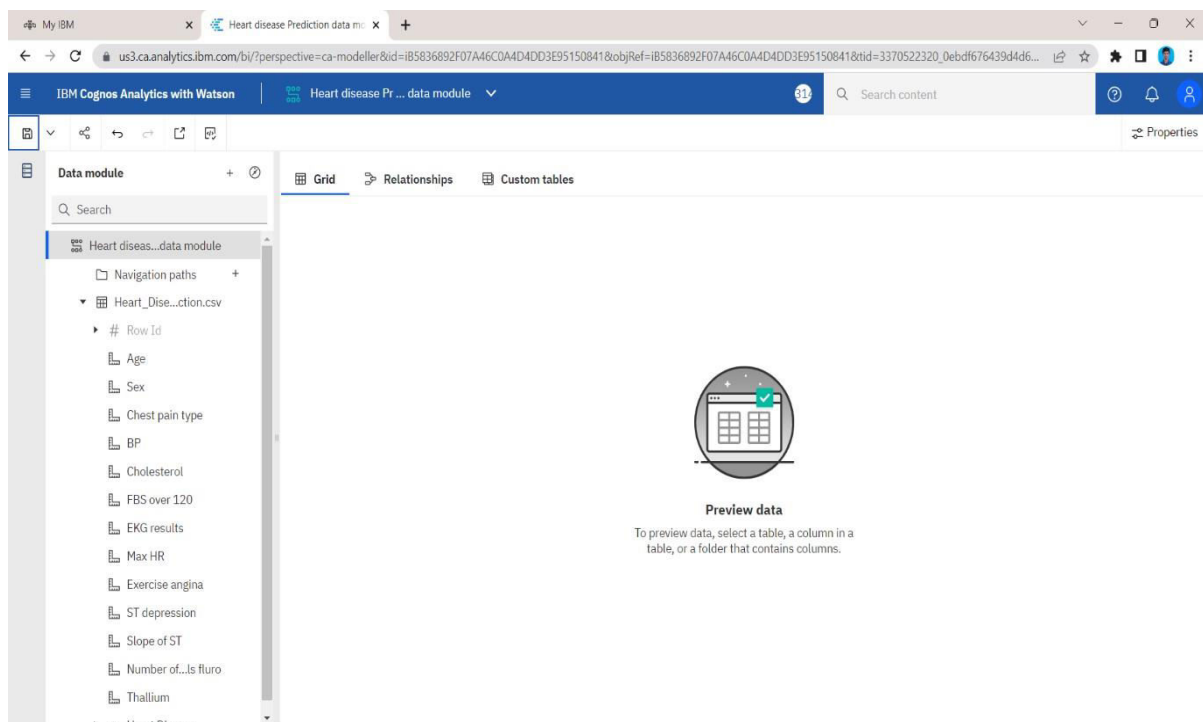
Creating The Data Module using Cognos Analytics:

USN-3:

- As an Analyst I will also correct the raw data and create a data module.
- I will Create the data module using heart_disease_prediction.csv Dataset.

The screenshot shows the IBM Cognos Analytics interface. On the left, a sidebar lists the data module 'new data module' and its contents, including 'Heart_Disease_prediction.csv' and various columns like 'Age', 'Sex', 'Chest pain type', 'BP', 'Cholesterol', 'FBS over 120', 'EKG results', 'Max HR', 'Exercise angina', 'ST depression', 'Slope of ST', 'Number of vessels fluro', and 'Thallium'. The main area displays a table with the following columns: 'Exercise angina', 'ST depression', 'Slope of ST', 'Number of vessels fluro', 'Thallium', and 'Heart Disease'. The table contains 15 rows of data.

Exercise angina	ST depression	Slope of ST	Number of vessels fluro	Thallium	Heart Disease
0	0	1	0	3	Absence
1	3.4	3	0	7	Presence
1	0.9	2	0	7	Presence
1	0	1	2	7	Presence
1	1.9	1	1	7	Presence
0	0	1	0	3	Presence
0	0	1	0	3	Absence
0	0	1	0	3	Absence
0	0	1	0	7	Presence
0	0	1	0	3	Absence
1	0.4	1	0	3	Absence
0	0	1	0	7	Absence
0	2.2	2	1	6	Presence
0	0	1	0	3	Absence



My IBM

Heart disease Prediction data m...

us3.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=ib5836892f07a46c0a4d4dd3e95150841&objRef=ib5836892f07a46c0a4d4dd3e95150841&tid=3370522320_0ebdf676439d4d6...

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Row Id

Age

Sex

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FBS over 120

EKG results

Max HR

Exercise angina

ST depression

Slope of ST

Number of...ls fluro

Thallium

Heart Disease

Heart_Dise...iction.csv

Diagram settings

Cardinality

Focus mode

Degrees of separation: 1

1

0

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