

Sprint Delivery Plan I

Date	28 October 2022
Team ID	PPNT2022TMID40507
Project Name	Project - Visualizing and Predicting Heart Diseases with an Interactive Dashboard

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

```
[1] !pip install -q kaggle
[4] !mkdir ~/.kaggle #creating a kaggle directory
[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
[8] Downloading heart-disease-prediction.zip to /content
[9] !unzip /content/heart-disease-prediction.zip
```

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

43s completed at 11:44

Heart Disease Prediction

USABILITY SCORE: 2.35

Pending Actions

- Add a subtitle
- Add a description
- Upload an image
- Add file information

SATHISHKUMAR P01 - UPDATED 6 MINUTES AGO - PRIVATE

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

View Active Events

Kaggle API Gather_The_Data.ipynb dataset.csv

26°C Raining now Show all ENG IN 13:00 11-11-2022

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 Gather_The_Data.ipynb dataset.csv

26°C Raining now Show all ENG IN 13:00 11-11-2022

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

The screenshot shows the IBM Cognos Analytics with Watson interface. On the left, there's a list of 'Data server connections' with two entries: 'Heart Disease Prediction Test' (modified 11/11/2022 00:59) and 'Weather Company' (modified 31/03/2022 22:38). In the center, a detailed view of 'Heart Disease Prediction Test' is shown, including its owner (SATHI... 84ad84), creation date (11/11/2022, 00:59), modification date (11/11/2022, 00:59), type (Data Server), and tabs for General, Connections, and Permissions. Below this, another 'Heart Disease Prediction Test' entry is listed with a modified date of 11/11/2022 01:19. On the right, a 'Heart Disease Prediction Test' connection is detailed, showing its owner (SATHI... 84ad84), creation date (11/11/2022, 00:59), modification date (11/11/2022, 01:19), type (Connection), and tabs for General, Settings, Schemas, and Permissions. A list of schemas is shown with 'FGV20212' selected. At the bottom, there's a 'Show system schemas' checkbox and a 'Show all' button.

The screenshot shows the IBM Cloud Catalog interface. A search bar at the top contains the query 'db2'. Below the search bar, a sidebar lists categories: Containers (9), Networking (30), Storage (20), AI / Machine Learning (17), Analytics (10), Blockchain (1), and Database (20). The main area displays search results for 'db2'. One result is 'Analytics Engine By IBM', described as a platform to submit Apache Spark applications. Another result is 'AnonTech ViziVault Platform By Anon Technology, Inc.', described as a platform to manage personal information. A third result is 'API Connect By IBM', described as an enterprise-grade platform for creating, securing, managing, sharing, monetizing, and analyzing custom APIs. The bottom of the screen shows a taskbar with icons for various applications and a system tray indicating the date and time (11-11-2022, 13:09).

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

IBM Cloud Search resources and products... Catalog Manage SATHISHKUMAR P's Ac...

Sell on IBM Cloud Catalog settings

Catalog

Search: 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 (2)

Analytics Engine
By IBM

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

Lite • Free • HIPAA Enabled • IAM-enabled • Service Endpoint Supported • IBM supported

AnonTech ViziVault Platform
By Anon Technology, Inc.

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

Lite • Free • HIPAA Enabled • IAM-enabled • Third party supported

API Connect
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

26°C Raining now Show all 13:05 ENG IN 11-11-2022

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

IBM Cloud Search resources and products... Catalog Manage SATHISHKUMAR P's Ac...

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 multitenant 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.

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

Create Add to estimate Show all

26°C Raining now 13:05 ENG IN 11-11-2022

The screenshot shows the IBM Cloud Resource list interface. At the top, there are tabs for "Heart Disease Prediction | Kaggle", "My IBM", "Home", and "Resource list - IBM Cloud". The main title is "Resource list". A search bar says "Search resources and products...". There are buttons for "Catalog", "Manage", and a user profile. A "Create resource" button is at the top right.

The left sidebar has icons for Compute, Containers, Networking, Storage, AI / Machine Learning, Analytics, Blockchain, Databases, Developer tools, Logging and monitoring, and Migration. Under "Databases", there is one entry: "Db2-9m" with "Default" group, "Dallas" location, "Db2" product, "Active" status, and a "More" button.

The bottom status bar shows "26°C Raining now", "Show all", and system icons like battery, signal, and date/time "11-11-2022".

This screenshot is identical to the first one, showing the IBM Cloud Resource list interface. It displays a single "Db2-9m" resource under the "Databases" category. The interface, sidebar, and status bar are exactly the same.

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

Resource list / Db2-9m Active Add tags

Manage Getting started

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/crn%3Av1%3Abluemix%3Apublic%3Adashdb-for-transactions%3Aus-south%3Aa%2F36665efecddc49c8981cef62e8d0880%3A027252a2-9c6...

26°C Raining now Show all 13:02 11-11-2022

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

IBM Db2 on Cloud

Overview In-flight executions Connections Table performance

Resource usage

Last 1 hour

Storage (0M / 0M) current value

Storage usage (%)

Time: 12:02 PM, 12:20 PM, 12:40 PM, 01:02 PM

SQL

dataset.csv

26°C Raining now Show all 13:02 11-11-2022

The screenshot shows the IBM Cloud Service Details page for a service named 'Db2-9m'. The 'Service credentials' tab is selected. A table lists one credential entry:

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

Below the table, the credential content is displayed as JSON:

```
{ "connection": { "cli": { "arguments": [ "-u", "fgv20212", "-p", "sc8FV5808hM9iAud", "-ssl", "-ssLCFile", "2ce1ab40-7379-45d8-a40c-38dcfaf95d0", "-authenticationDatabase", "admin", "-host", "98538591-7217-4024-b027-8baa776ffad1.c3n41cmd0nqnrik39u98g.databases.appdomain.cloud:30875" ] } }}
```

The screenshot shows the same IBM Cloud Service Details page for 'Db2-9m' as the previous one, but the JSON content of the credential is now fully expanded and scrollable.

Below the expanded JSON content, the credential content is displayed as JSON:

```
{ "connection": { "cli": { "arguments": [ "-u", "fgv20212", "-p", "sc8FV5808hM9iAud", "-ssl", "-ssLCFile", "2ce1ab40-7379-45d8-a40c-38dcfaf95d0", "-authenticationDatabase", "admin", "-host", "98538591-7217-4024-b027-8baa776ffad1.c3n41cmd0nqnrik39u98g.databases.appdomain.cloud:30875" ] } }}
```

K 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%2F36665fecddc4f9c8981ce62e0d0880%3A027252a2-9c64..

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 ENG IN 13:02 11-11-2022

K 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%2F36665fecddc4f9c8981ce62e0d0880%3A027252a2-9c64..

IBM Db2 on Cloud

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

My computer Target
Heart_Disease_Prediction.csv FGV20212.HEARTDISEASE

View Table Load More Data

Status Settings Errors 0 Warnings 0

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

270 270 0
Rows read Rows loaded Rows rejected

Start time 11/11/2022 1:03:06 PM
End time 11/11/2022 1:03:20 PM

No errors

Kaggle_API_Gat...ipynb dataset.csv Show all

26°C Raining now ENG IN 13:03 11-11-2022

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

IBM Cognos Analytics with Watson

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

File Kaggle_API_Gat...ipynb dataset.csv Show all

26°C Raining now ENG IN 13:01 11-11-2022

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

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

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

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

Back Next

File Kaggle_API_Gat...ipynb dataset.csv Show all

26°C Raining now ENG IN 13:02 11-11-2022

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

IBM Cognos Analytics with Watson

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

Schemas

Status	Schema name	Tables loaded
AUDIT		
DB2INST1		
ERRORSCHEMA		
FGV20212		1 / 1

Show system schemas

File Kaggle_API_Gat...ipynb dataset.csv Show all

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

Uploading Heart disease Prediction Dataset Using Cognos Analytics:

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.

The screenshot shows the IBM Cognos Analytics with Watson Content interface. The browser address bar displays the URL: us3.ca.analytics.ibm.com/bi/?perspective=content&tab=myContent&folder=i5AFA40E983CE4C28A56DF222D1C596C0. The main content area is titled 'Content' and shows a list of uploaded files under the 'My content' tab. The table lists the following files:

Name	Type	Last Accessed
50_Startups.csv	Uploaded file	15/09/2022, 08:39
Bank Analysis Dashboard	Dashboard	19/09/2022, 01:35
bank.csv	Uploaded file	19/09/2022, 00:03
bikebuyer.csv	Uploaded file	14/09/2022, 09:02
Heart_Disease_Prediction.csv	Uploaded file	30/10/2022, 01:19
Olympic Events.xlsx	Uploaded file	08/09/2022, 10:19
Olympic Medals.xlsx	Uploaded file	08/09/2022, 10:19

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.

IBM Cognos Analytics with Watson

Grid Relationships Custom tables

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	124	228	0

Speaker (Realtek(R) Audio): 39%

IBM Cognos Analytics with Watson

Grid Relationships Custom tables

Row Id Age Sex Chest pain type Cholesterol FBS over 120

1	70	1	Null	322	0
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	228	0

Filter... Create calculation... Create data group... Hide from users Remove Format data... Clean... Sort descending Sort ascending Properties

IBM Cognos Analytics with Watson

Grid Relationships Custom tables

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	124	224	0

IBM Cognos Analytics with Watson

Grid Relationships Custom tables

	Exercise angina	ST depression	Slope of ST	Number of vessels fluro	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	

IBM Cognos Analytics with Watson

Grid Relationships Custom tables

Search

new data module

Navigation paths +

Heart_Disease.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 fluro
- Thallium
- Heart Disease

Exercise angina ST depression Slope of ST Number of...ls fluro Thallium Heart Disease

	Exercise angina	ST depression	Slope of ST	Number of...ls fluro	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	7	Presence
	0	0.4	1	Null	7	Absence
	1	0.6	2	1	7	Presence
	1	1.2	2	1	7	Absence
	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	?	?	3	Presence

Filter... Create calculation... Create data group... Hide from users Remove Format data... Clean... Sort descending Sort ascending Properties

IBM Cognos Analytics with Watson

Grid Relationships Custom tables

Search

new data module

Navigation paths +

Heart_Disease.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 fluro
- Thallium
- Heart Disease

Exercise angina ST depression Slope of ST Number of...ls fluro Thallium Heart Disease

	Exercise angina	ST depression	Slope of ST	Number of...ls fluro	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	7	Presence
	0	0.4	1	Null	7	Absence
	1	0.6	2	1	7	Presence
	1	1.2	2	1	7	Absence
	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	?	?	3	Presence

Clean - Number of vessels fluro

NULL values

Replace this value with NULL

Replace NULL values with

Cancel Clean

IBM Cognos Analytics with Watson

Grid Relationships Custom tables

	Exercise angina	ST depression	Slope of ST	Number of vessels fluo	Thallium	Heart Disease
# Row Id	0	2.4	2	3	3	Presence
Age	0	1.6	2	0	7	Absence
Sex	0	0.3	1	0	7	Presence
Chest pain type	1	0.2	2	1	7	Absence
BP	1	0.2	1	1	3	Absence
Cholesterol	0	0.4	1	0	7	Absence
FBS over 120	1	0.6	2	1	6	Presence
EKG results	1	1.2	2	1	7	Presence
Max HR	0	1.2	2	2	7	Presence
Exercise angina	0	4	2	3	7	Presence
ST depression	0	0.5	2	0	7	Absence
Slope of ST	1	0	1	0	7	Absence
Number of...ls fluo	0	0	1	0	3	Absence
Thallium	0	0	?	?	?	Presence
Heart Disease	0	2.6	?	?	?	Presence

IBM Cognos Analytics with Watson

Grid Relationships Custom tables

	Exercise angina	ST depression	Slope of ST	Number of vessels fluo	Thallium	Heart Disease
# Row Id	0	2.4	2	3	3	Presence
Age	0	1.6	2	0	7	Absence
Sex	0	0.3	1	0	7	Presence
Chest pain type	1	0.2	2	1	3	Absence
BP	1	0.2	1	1	7	Absence
Cholesterol	0	0.4	1	0	7	Absence
FBS over 120	1	0.6	2	1	6	Presence
EKG results	1	1.2	2	1	7	Presence
Max HR	0	1.2	2	2	7	Presence
Exercise angina	0	4	2	3	7	Presence
ST depression	0	0.5	2	0	7	Absence
Slope of ST	1	0	1	0	7	Absence
Number of...ls fluo	0	0	1	0	3	Absence
Thallium	0	0	?	?	?	Presence
Heart Disease	0	2.6	?	?	?	Presence

IBM Cognos Analytics with Watson

Clean - Heart Disease

Whitespace

Trim leading and trailing whitespace

Convert case to

UPPERCASE lowercase Do not change

Return a substring of characters

Start Length

Preview
This is a preview

NULL values

Replace this value with NULL

Replace NULL values with

Cancel **Clean**

#	RowId	Age	Sex	Chest pain type	BP	Cholesterol	FBS over 120	EKG results	Max HR	Exercise angina	ST depression	Slope of ST	Number of...ls fluro	Thallium	Heart Disease
1	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
2	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
3	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
4	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
5	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
6	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
7	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
8	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
9	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
10	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
11	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
12	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
13	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
14	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
15	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
16	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
17	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
18	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
19	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
20	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
21	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
22	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
23	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
24	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
25	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
26	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
27	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
28	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
29	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
30	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
31	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
32	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
33	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
34	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
35	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
36	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
37	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
38	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
39	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
40	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
41	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
42	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
43	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
44	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
45	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
46	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
47	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
48	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
49	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
50	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
51	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
52	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
53	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
54	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
55	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
56	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
57	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
58	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
59	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
60	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
61	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
62	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
63	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
64	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
65	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
66	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
67	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
68	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
69	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
70	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
71	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
72	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
73	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
74	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
75	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
76	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
77	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
78	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
79	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
80	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
81	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
82	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
83	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
84	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
85	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
86	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
87	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
88	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
89	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
90	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
91	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
92	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
93	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
94	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
95	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
96	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
97	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
98	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
99	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence
100	1	3.0	0	0	0	0	0	0	0	0	0	0	0	0	Absence

#	RowId	Age	Sex	Chest pain type	BP	Cholesterol	FBS over
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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 with two windows open. The top window is titled "IBM Cognos Analytics with Watson" and shows a "Data module" pane on the left with a tree view of fields from "Heart_Disease_prediction.csv". The main area displays a grid of data with columns: Exercise angina, ST depression, Slope of ST, Number of vessels fluro, Thallium, and Heart Disease (Presence/Absence). The bottom window is also titled "IBM Cognos Analytics with Watson" and shows the same "Data module" pane. A circular icon with a checkmark and a preview data message are visible in the center of the bottom window's content area.

	Exercise angina	ST depression	Slope of ST	Number of vessels fluro	Thallium	Heart Disease
# Row Id	1	3.4	3	0	7	Presence
Age	1	0.9	2	0	7	Presence
Sex	1	0	1	2	7	Presence
Chest pain type	1	1.9	1	1	7	Presence
BP	0	0	1	0	3	Presence
Cholesterol	0	0	1	0	3	Absence
FBS over 120	0	0	1	0	3	Absence
EKG results	0	0	1	0	7	Presence
Max HR	0	0	1	0	3	Absence
Exercise angina	1	0.4	1	0	3	Absence
ST depression	0	0	1	0	7	Absence
Slope of ST	0	0	1	0	3	Absence
Number of...ls fluro	0	2.2	2	1	6	Presence
Thallium	0	0	1	0	3	Absence

My IBM Heart disease Prediction data module

IBM Cognos Analytics with Watson Heart disease Pr ... data module

314 Search content

Data module Relationships Custom tables

Diagram settings

Cardinality Focus mode

Degrees of separation: 1

Heart_Disease...ction.csv

Navigation paths

- # RowId
- Age
- Sex
- Chest pain type
- BP
- Cholesterol
- FBS over 120
- EKG results
- Max HR
- Exercise angina
- ST depression
- Slope of ST
- Number of ... ls fluro
- Thalium

Heart Disease

Properties