

# Project Development Phase

## Delivery of Sprint 1

Date	15 November 2022
Team ID	PNT2022TMID17411
Project Name	Visualizing and Predicting Heart Diseases Using an Interactive Dashboard

## Project Development Phase:

The screenshot displays a web application interface for a project workspace. The browser address bar shows the URL: [careereducation.smartinternz.com/Student/guided\\_project\\_workspace/19420](https://careereducation.smartinternz.com/Student/guided_project_workspace/19420). The page title is "Visualizing And Predicting Heart Diseases With An Interactive Dash Board". The main content area is titled "Project Development Phase" and contains a description: "In this milestone you will start the project development and expected to perform the coding & solutioning, acceptance testing, performance testing based as per the sprint and submit them." A sidebar on the left lists the project phases, with "Project Development Phase" selected and highlighted in green. Below it, a list of tasks is shown, including "Solution Requirements", "Project Objectives", "Project Flow", "IBM Cognos Analytics", "Working With Dataset", "Data Visualizations", "Ideation Phase", "Project Design Phase - I", "Project Design Phase -II", "Project Planning Phase", and "Project Development Phase". The "Project Development Phase" is further broken down into three sub-phases: "Project Development - Delivery Of Sprint-1", "Project Development - Delivery Of Sprint-2", and "Project Development - Delivery Of Sprint-3".

# Downloading Dataset from Kaggle:

The screenshot shows the Kaggle website interface. The browser address bar displays `kaggle.com/datasets/rishidamarla/heart-disease-prediction`. The left sidebar contains navigation links: Home, Competitions, Datasets, Code, Discussions, Learn, and More. The main content area features the dataset title "Heart Disease Prediction" by Rishi Damarla, updated 2 years ago. It includes a description: "Predicting probability of heart disease in patients." and a "Download (3 kB)" button. Below the title, there are tabs for Data, Code (15), and Discussion (0). The "About Dataset" section provides context, content, and acknowledgement. The right sidebar shows the dataset's usability score (9.41), license (CC0: Public Domain), and expected update frequency (Monthly).

**Heart Disease Prediction**  
Predicting probability of heart disease in patients.

**About Dataset**

Context: The leading cause of death in the developed world is heart disease. Therefore there needs to be work done to help prevent the risks of having a heart attack or stroke.

Content: Use this dataset to predict which patients are most likely to suffer from a heart disease in the near future using the features given.

Acknowledgement: This data comes from the University of California Irvine's Machine Learning Repository at

**Usability** 9.41

**License**  
CC0: Public Domain

**Expected update frequency**  
Monthly

# Login into the IBM Cognos Analytics Account

The screenshot shows the IBM Cognos Analytics user interface. The browser address bar displays `us1.ca.analytics.ibm.com/bi/?perspective=home`. The top navigation bar includes the IBM Cognos Analytics with Watson logo, a search bar, and a user profile icon. The main content area features a welcome message: "Hello. Welcome to Cognos Analytics with Watson." and a call to action: "You can get started right away by taking a look at our introduction video, product tour and Getting Started tab." Below this, there are buttons for "Watch video" and "Take a product tour". The right sidebar contains a user profile for Aravind M (c33b6c6b48...) and a list of navigation links: My schedules and subscriptions, Log my session, About, Manage product subscription, Privacy, Cookie Preferences, IBM Cognos Analytics Mobile, and Log out. The bottom section, titled "Quick launch", contains four tiles: Upload data, Prepare data, Exploration, and Present data.

**IBM Cognos Analytics with Watson**

30 Search content

Hello. Welcome to Cognos Analytics with Watson.

You can get started right away by taking a look at our introduction video, product tour and Getting Started tab.

Watch video Take a product tour

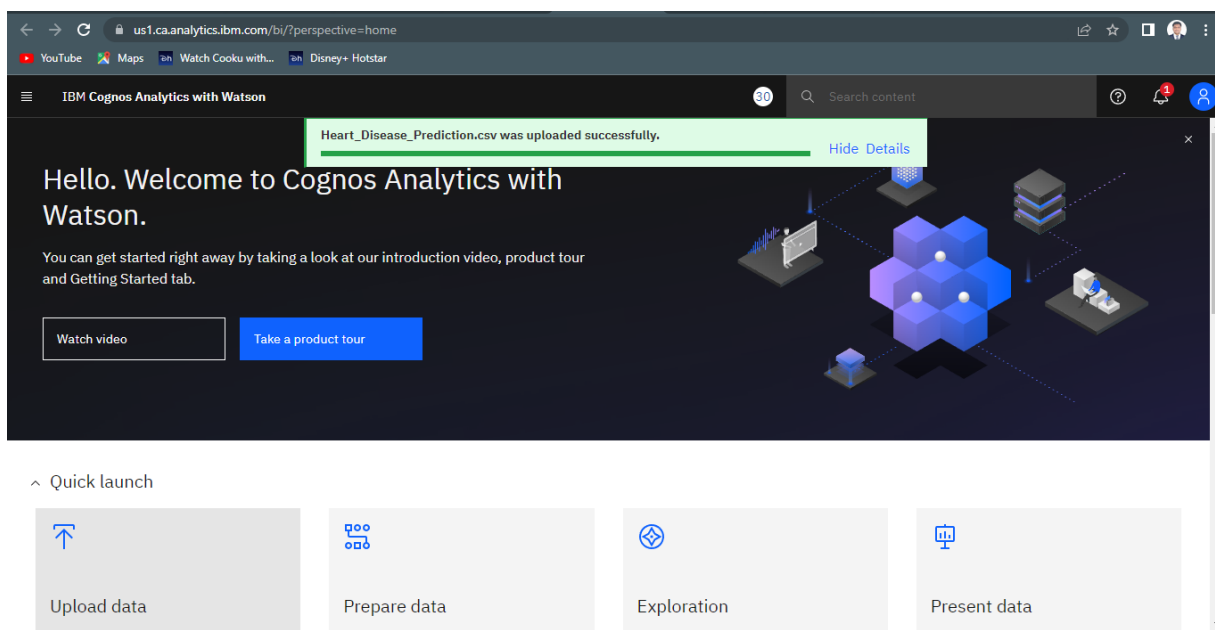
**Aravind M (c33b6c6b48...)**  
aravindmabi7@gmail.com  
Profile and settings

My schedules and subscriptions  
Log my session  
About  
Manage product subscription  
Privacy  
Cookie Preferences  
IBM Cognos Analytics Mobile  
Log out

Quick launch

Upload data Prepare data Exploration Present data

# Uploading Dataset into IBM Cognos Analytics Account



# Exploring the Dataset:

The screenshot shows the IBM Cognos Analytics interface. The top navigation bar includes the IBM logo, the text 'IBM Cognos Analytics with Watson', a 'New exploration' button, a search bar, and user profile icons. Below the navigation bar, the main workspace is divided into three panels. The left panel, titled 'Selected sources / Heart\_Disease\_Predicti...', contains a search bar and a list of fields: Age, Sex, Chest pain type, BP, Cholesterol, FBS over 120, EKG results, Max HR, Exercise angina, ST depression, Slope of ST, Number o...s fluoro, and Thallium. The central panel is a large gray area with the text 'Create a visualization' and 'Drag and drop fields or choose visualization type', with a blue 'Choose a type' button. The right panel, titled 'Fields', shows a 3D cube icon and the text 'No visualization created' and 'Create a visualization to manage the field settings.'

# Visualization of the Dataset:

