* **IBM Account**
* Create and [login to IBM Account.](https://cloud.ibm.com/registration), Click on login to IBM Account to access the link.
* **We give you 2GB of runtime and container memory free for 30 days, plus..**
* We give you 2GB of runtime and container memory free for 30 days, plus access to provision up to 10 services...
* <https://cloud.ibm.com/registration>
* **IBM Cognos Analytics**
* Create an IBM Cognos Analytics account with the following link.
* **IBM Cognos Analytics**
* Create the [Cognos Analytics Account](https://www.ibm.com/account/reg/in-en/signup?formid=urx-34710" \t "_blank), Click on the Cognos Analytics Account for accessing the link

**Working With The Dataset**

Working with the Dataset.

* Understand Dataset
* Load the Dataset
* Explore the Data
* Visualize the Data.

**Understanding The Dataset**

This project is based on understanding the Health Analytics dataset can be downloaded from  Health Analytics Dataset.

[**Download the Dataset**](https://drive.google.com/file/d/1slC0MhsJHeuODVkhIXrdNOX_aBDySSBh/view?usp=sharing)

The data is spread across 3 data files (csv) and one data dictionary enclosed.  The primary data file we use is test\_data.csv consist of 17 Columns with 137057 Rows.  The data dictionary is as follows:

|  |  |
| --- | --- |
| Column | Description |
| case\_id | Case\_ID registered in Hospital |
| Hospital\_code | Unique code for the Hospital |
| Hospital\_type\_code | Unique code for the type of Hospital |
| City\_Code\_Hospital | City Code of the Hospital |
| Hospital\_region\_code | Region Code of the Hospital |
| Available Extra Rooms in Hospital | Number of Extra rooms available in the Hospital |
| Department | Department overlooking the case |
| Ward\_Type | Code for the Ward type |
| Ward\_Facility\_Code | Code for the Ward Facility |
| Bed Grade | Condition of Bed in the Ward |
| patientid | Unique Patient Id |
| City\_Code\_Patient | City Code for the patient |
| Type of Admission | Admission Type registered by the Hospital |
| Severity of Illness | Severity of the illness recorded at the time of admission |
| Visitors with Patient | Number of Visitors with the patient |
| Age | Age of the patient |
| Admission\_Deposit | Deposit at the Admission Time |
| Stay | Stay Days by the patient |