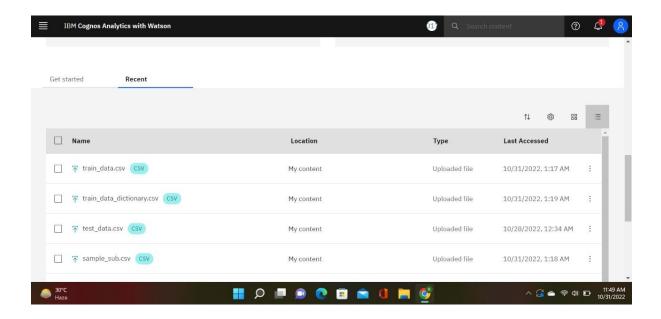# WORKING WITH THE DATASET

LOADING THE DATASET

EXPLORATION OF DATA

Link-
https://us1.ca.analytics.ibm.com/bi/?perspective=explore&pathRef=.my_folders%2Fexploration%2Bproject

Create +   ∧ 1/7 ▽   Summary   Related   Compare   Analytics   Details   Fields   Properties

Department

5

Department

Details

The total number of results for **Department** is 137,057.

Create +   ∧ 2/7 ▽   Summary   Related   Compare   Analytics   Details   Fields   Properties

Type of Admission

3

Type of Admission

Details

The total number of results for **Type of Admission** is 137,057.

Create +   3/7   Packed bubble   Related   Compare   Analytics   Details   Fields   Properties

Department colored by Age sized by Bed Grade

Bed Grade (Sum)   Age
13   56,127

● 0-10   ● 11-20   ● 21-30   ● 31-40   ● 41-50   ● 51-60   ● 61-70   ● 71-80   ● 81-90   ● 91-100

Details

For **Bed Grade**, the most significant values of **Age** are 41-50, 31-40, 51-60, 21-30, and 71-80, whose respective **Bed Grade** values add up to nearly 282 thousand, or 78 % of the total.

Bed Grade is most unusual when **Age** is 91-100, 41-50 and 31-40.

For **Bed Grade**, the most significant value of **Department** is gynecology, whose respective **Bed Grade** values add up to over 277 thousand, or 76.8 % of the total.

Bed Grade is unusually high when **Department** is gynecology.

Over all **departments** and **ages**, the sum of **Bed Grade** is almost 361 thousand.

Create +   4/7   Column   Related   Compare   Analytics   Details   Fields   Properties

Age by Type of Admission colored by Severity of Illness

Severity of Illness
○ Extreme   ○ Minor   ● Moderate

Details

The total number of results for **Age** is 137,057.

The most common values of **Type of Admission** are Trauma (47.7 %) and Emergency (37 %), together occurring over 116 thousand times, which is 84.7 % of the total.

The most common value of **Severity of Illness** is Moderate, occurring almost 76 thousand times, which is 55.2 % of the total.

Bed Grade by patientid colored by Hospital_region_code

Hospital_region_code
● X ● Y ● Z

patientid (Sum)

Bed Grade (Sum)

Details

Across all values of **Hospital_region_code**, the sum of **patientid** is over 9.0 billion.

For **patientid**, the most significant values of **Hospital_region_code** are X and Y, whose respective **patientid** values add up to over 7.2 billion, or 80.1 % of the total.

patientid ranges from almost 1.8 billion, when **Hospital_region_code** is Z, to nearly 3.8 billion, when **Hospital_region_code** is X.

patientid is unusually low when **Bed Grade** is 72,854.

There is a strong quadratic relationship between **patientid** and **Bed Grade**, being patientid = -1774139821 + 60725 * Bed Grade - 0.1607 * Bed Grade^2.

City_Code_Patient by Type of Admission

Type of Admission
● Urgent ● Emergency ● Trauma

20,726

64,497

49,677

Details

The total number of results for **City_Code_Patient**, across all **type of admissions**, is nearly 135 thousand.

The most common values of **Type of Admission** are Trauma (47.8 %) and Emergency (36.8 %), together occurring over 114 thousand times, which is 84.6 % of the total.

The count is unusually low when **Type of Admission** is Urgent.

Create +   ∧ 7/7 ∨   Column   Related   Compare   Analytics   Details   Fields   Properties

Bed Grade and Available Extra Rooms in Hospital by Ward_Facility_Code

Measures
● Available Extra Rooms in Hospital   ● Bed Grade

Details

The total number of results for **Available Extra Rooms in Hospital**, across all **Ward_Facility_Code**, is over 137 thousand.

Over all values of **Ward_Facility_Code**, the average of **Available Extra Rooms in Hospital** is 3.193.

The most common value of **Ward_Facility_Code** is F, occurring almost 49 thousand times, which is 35.5 % of the total.

The total number of results for **Bed Grade**, across all **Ward_Facility_Code**, is over 137 thousand.

Over all values of **Ward_Facility_Code**, the average of **Bed Grade** is 2.634.

The most common value of