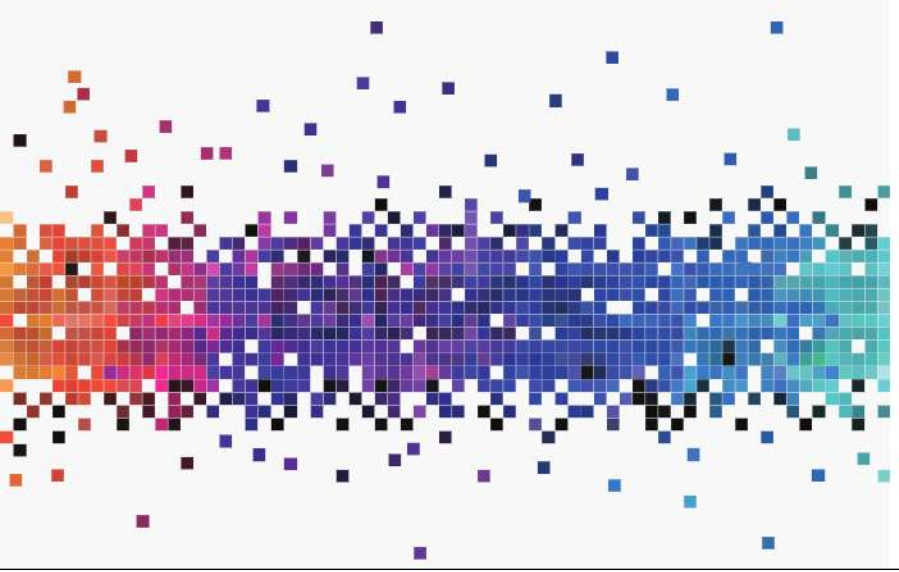




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- Content
- Recent
- Manage

Samples

New +



Start by adding data

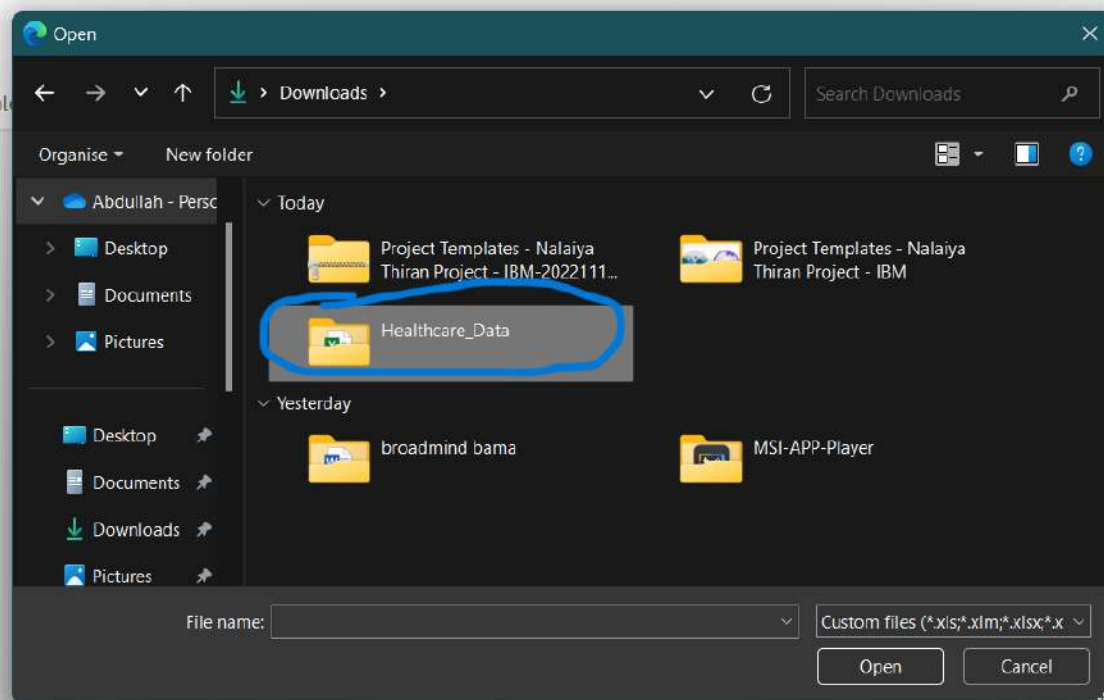
Click Upload data above or drag and drop to upload data.

Content

My content

Team content

Sample



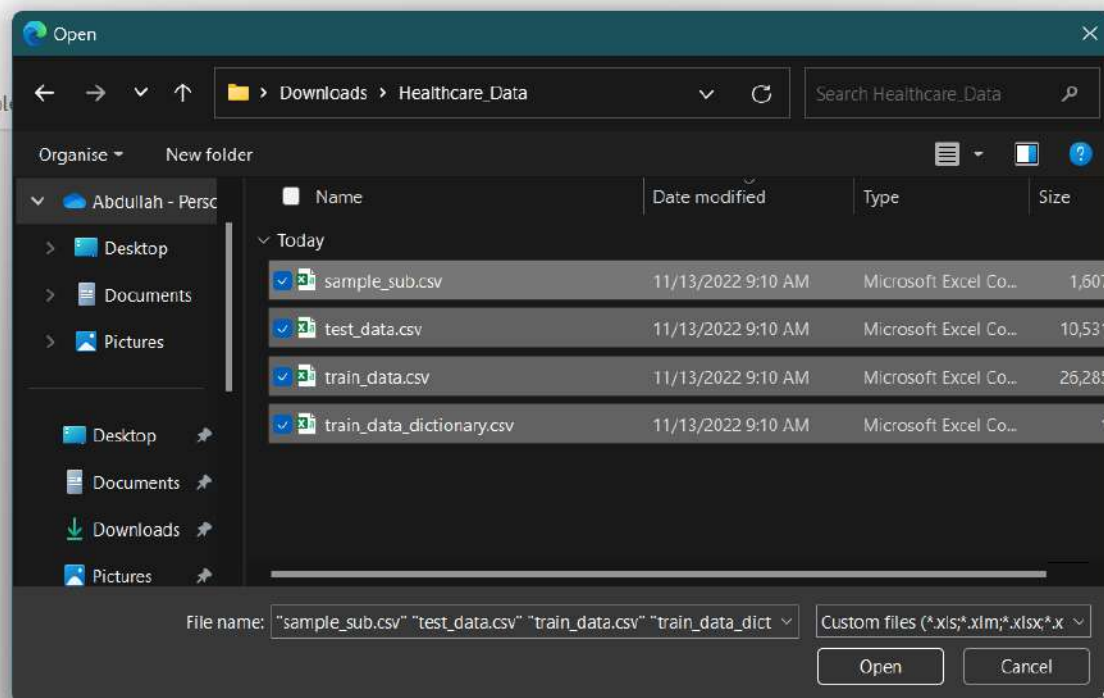
Content

My content

Team content

Sample

New



Content

↑

New +

My content

Team content

Samples

🔍

↕

📁

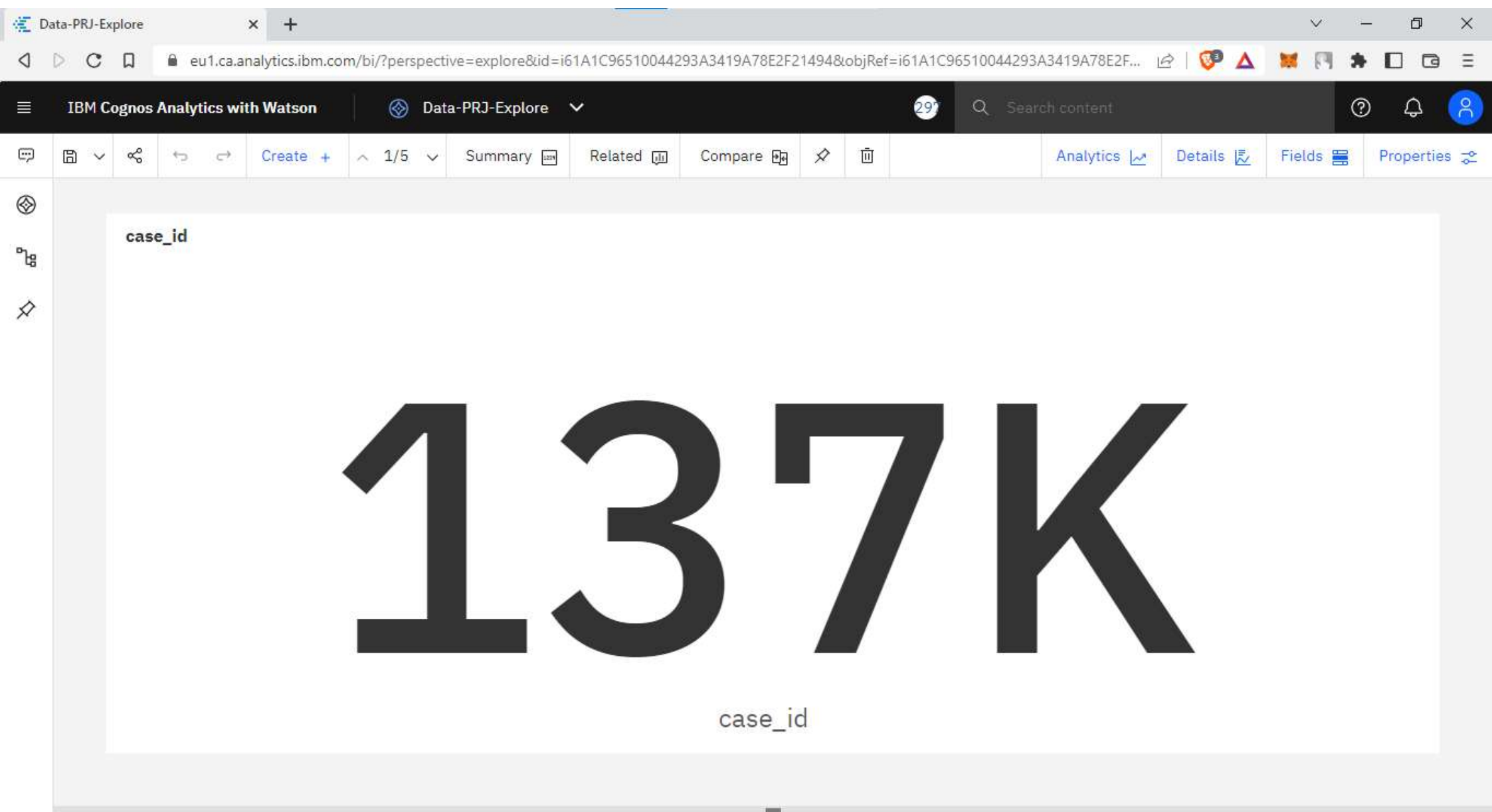
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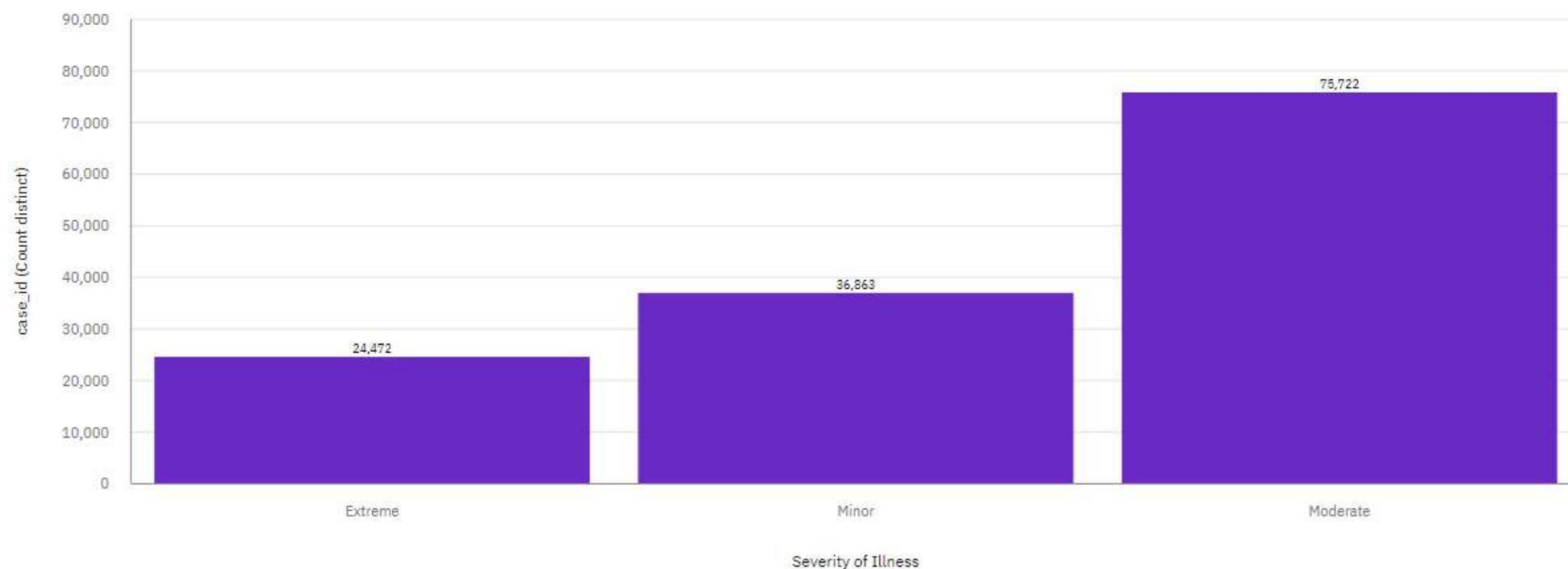
☰

| | | | |
|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| sample_sub.csv | test_data.csv | train_data_dictionary.csv | train_data.csv |
| Last Accessed 12/11/2022, 21:43 | Last Accessed 12/11/2022, 21:43 | Last Accessed 12/11/2022, 21:43 | Last Accessed 12/11/2022, 21:43 |
| CSV ↑ | CSV ↑ | CSV ↑ | CSV ↑ |

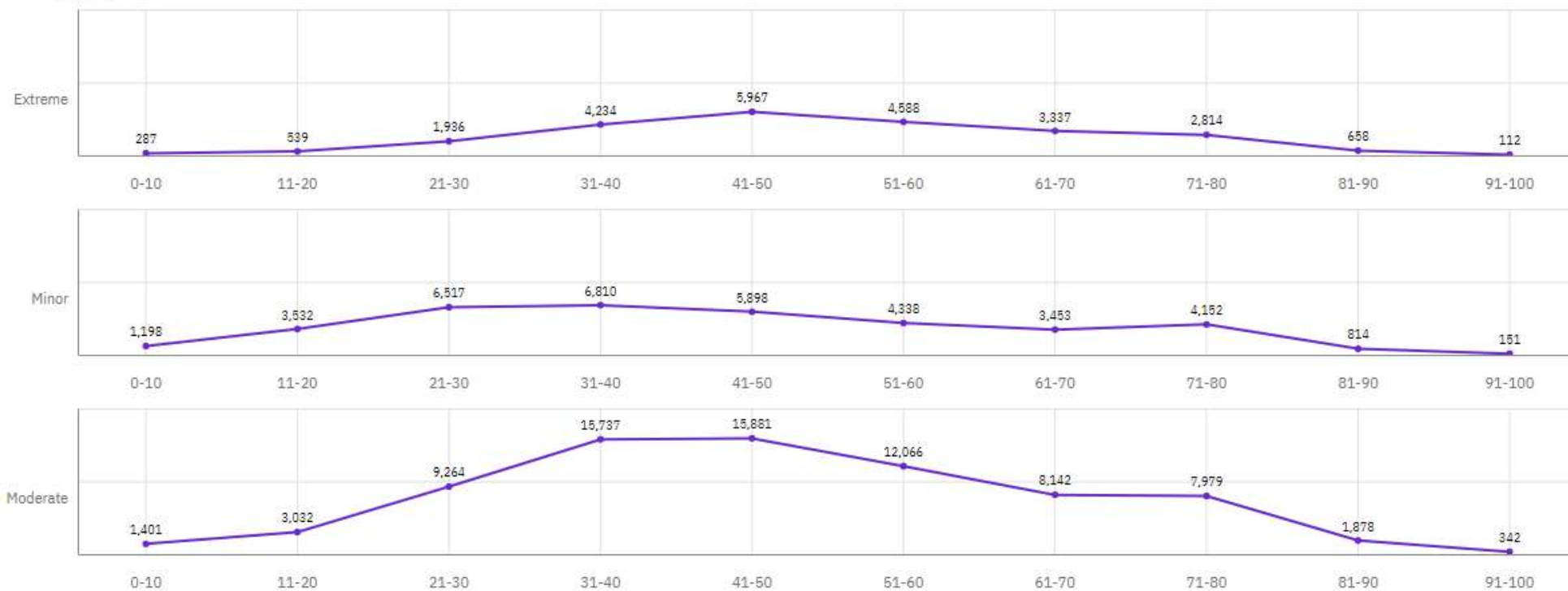


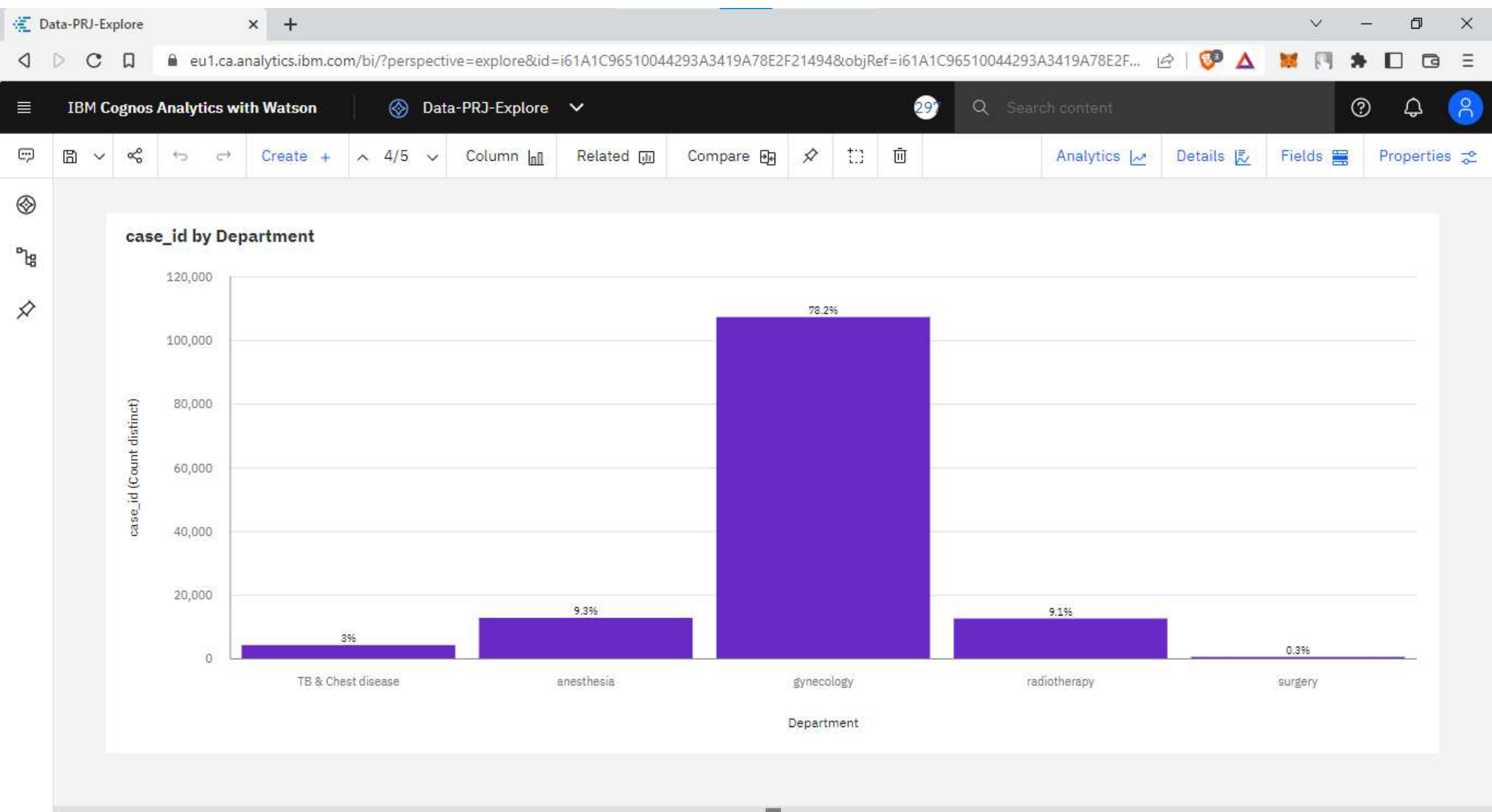


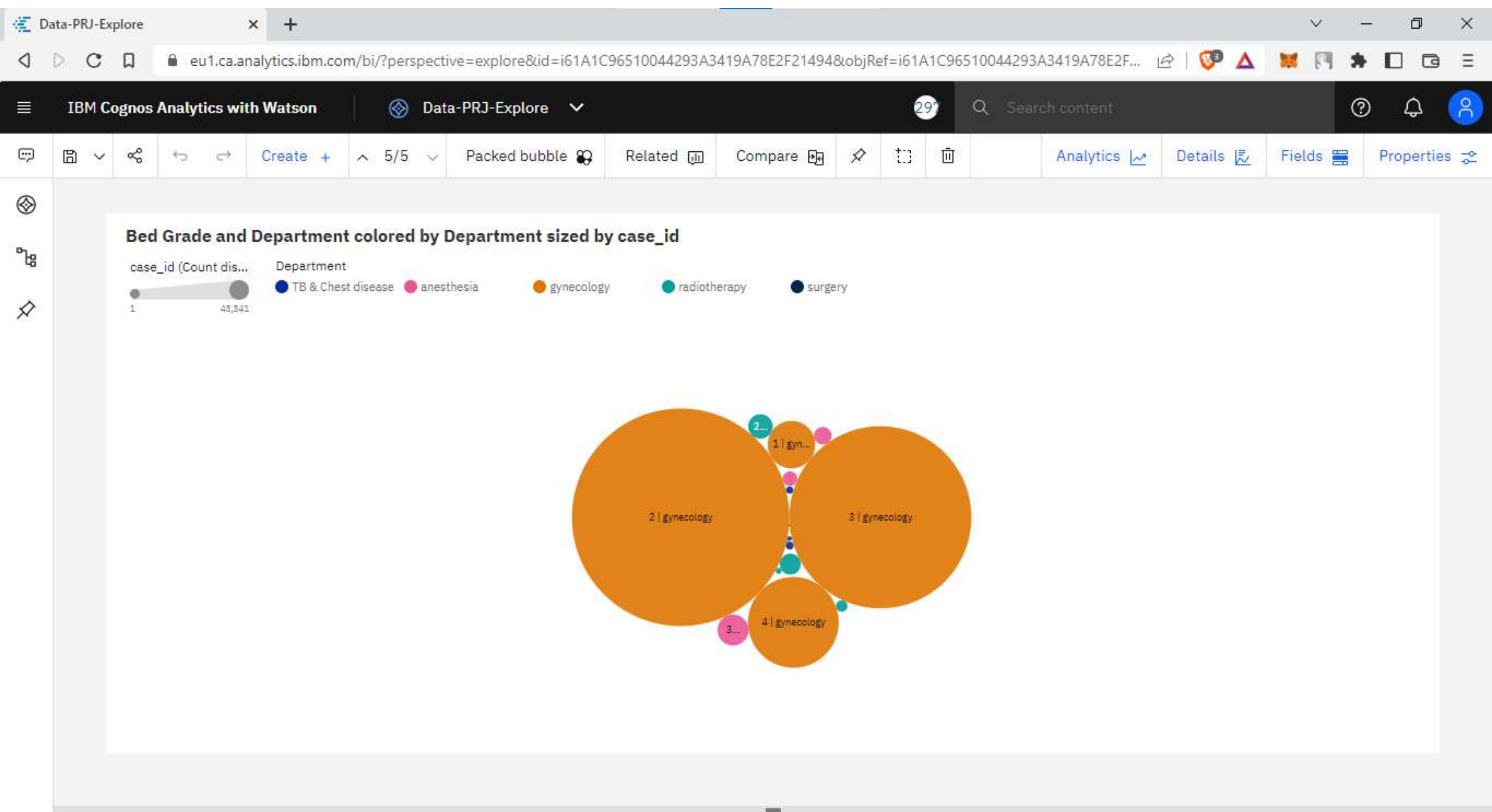
case_id by Severity of Illness



case_id by Age







Null Values Cleaning Process :

The screenshot shows the 'Edit calculation' dialog in IBM Cognos Analytics. The 'Name' field is set to 'City_Code_Patient'. The 'Expression' field contains the following SQL code:

```
1 IF ( City_Code_Patient is missing )  
2 THEN ( median (City_Code_Patient ))  
3 ELSE City_Code_Patient )
```

The 'Components' panel on the left lists various functions and operators, including 'between', 'case', 'contains', 'currentMeasure', 'default', 'distinct', 'else', 'end', 'ends with', 'escape', 'for', 'for all', and 'for any'. The 'Validation Results' section at the bottom indicates that the expression is valid.

Validation Results
✓ The expression is valid.

At the bottom of the dialog, there are 'Cancel' and 'OK' buttons.

IBM Cognos Analytics with Watson

hospital_care_data

Search content

?

🔔

👤

Edit calculation

NameBed Grade

Components

Expression

🔍 Search

▶ Operators

▶ Summaries

▶ Constants

▼ Constructs

if then else

in_range

search case

simple case

▶ Business Dat...e Functions

▶ Period Predicates

▶ Vendor Specific Functions

▶ Common Functions

▶ Macro Functions

1 IF (Bed_Grade is missing)

2 THEN (median (Bed_Grade))

3 ELSE(Bed_Grade)

Validate

Validation Results

✔ The expression is valid.

Cancel

OK

test_data.csv



Properties



Data module



Search

train_data.csv

Row Id

case_id

Hospital_code

abc Hospital...pe_code

City_Cod...Hospital

Hospital...ion_code

Available...Hospital

abc Department

abc Ward_Type

abc Ward_Fa...ty_Code

Bed Grade

patientid

City_Code_Patient

abc Type of Admission

abc Severity of Illness

Visitors ...h Patient

abc Age

Admissio...Deposit

abc Stay

test_data.csv



Grid



Relationships



Custom tables

| ent | Ward_Type | Ward_Facility_Code | Bed Grade | patientid | City_Code_Patient | Type of Admission | Severity of Illness | Vis |
|-----|-----------|--------------------|-----------|-----------|-------------------|-------------------|---------------------|-----|
| apy | R | F | 2 | 31397 | 7 | Emergency | Extreme | |
| apy | S | F | 2 | 31397 | 7 | Trauma | Extreme | |
| ia | S | E | 2 | 31397 | 7 | Trauma | Extreme | |
| apy | R | D | 2 | 31397 | 7 | Trauma | Extreme | |
| apy | S | D | 2 | 31397 | 7 | Trauma | Extreme | |
| ia | S | F | 2 | 31397 | 7 | Trauma | Extreme | |
| apy | S | B | 3 | 31397 | 7 | Emergency | Extreme | |
| apy | Q | F | 3 | 31397 | 7 | Trauma | Extreme | |
| zy | R | B | 4 | 31397 | 7 | Trauma | Extreme | |
| zy | S | E | 3 | 31397 | 7 | Trauma | Extreme | |
| apy | S | B | 2 | 31397 | 7 | Urgent | Extreme | |
| apy | R | D | 1 | 31397 | 7 | Urgent | Extreme | |
| apy | R | A | 3 | 31397 | 7 | Emergency | Extreme | |
| apy | S | F | 3 | 31397 | 7 | Urgent | Extreme | |
| zy | Q | F | 3 | 63418 | 8 | Emergency | Extreme | |
| zy | Q | F | 3 | 63418 | 8 | Emergency | Extreme | |

Hospital Data :

IBM Cognos Analytics with Watson | hospital_care_data

Search content

Properties

Data module

Grid Relationships Custom tables

Search

train_data.csv

- # Row Id
- # case_id
- # Hospital_code
- # Hospital_type_code
- # City_Code_Hospital
- # Hospital_region_code
- # Available_E...In Hospital
- # Department
- # Ward_Type
- # Ward_Fa...ty_Code
- # Bed Grade
- # patientid
- # City_Code_Patient
- # Type of Admission
- # Severity of Illness
- # Visitors ...h Patient
- # Age
- # Admissio...Deposit
- # Stay

test_data.csv

| Row Id | case_id | Hospital_code | Hospital_type_code | City_Code_Hospital | Hospital_region_code | Available E...In Hospital | Department |
|--------|---------|---------------|--------------------|--------------------|----------------------|---------------------------|--------------|
| 1 | 1 | 8 | c | 3 | Z | 3 | radiotherapy |
| 2 | 2 | 2 | c | 5 | Z | 2 | radiotherapy |
| 3 | 3 | 10 | e | 1 | X | 2 | anesthesia |
| 4 | 4 | 26 | b | 2 | Y | 2 | radiotherapy |
| 5 | 5 | 26 | b | 2 | Y | 2 | radiotherapy |
| 6 | 6 | 23 | a | 6 | X | 2 | anesthesia |
| 7 | 7 | 32 | f | 9 | Y | 1 | radiotherapy |
| 8 | 8 | 23 | a | 6 | X | 4 | radiotherapy |
| 9 | 9 | 1 | d | 10 | Y | 2 | gynecology |
| 10 | 10 | 10 | e | 1 | X | 2 | gynecology |
| 11 | 11 | 22 | g | 9 | Y | 2 | radiotherapy |
| 12 | 12 | 26 | b | 2 | Y | 4 | radiotherapy |
| 13 | 13 | 16 | c | 3 | Z | 2 | radiotherapy |
| 14 | 14 | 9 | d | 5 | Z | 3 | radiotherapy |
| 15 | 15 | 6 | a | 6 | X | 4 | gynecology |
| 16 | 16 | 6 | a | 6 | X | 3 | gynecology |

Data ...dule

Search

tr...sv

R...

C...

H...

abc H...

C...

H...

A...

abc D...

abc ...

abc ...

B...

p...

C...

abc T...

abc S...

V...

abc Age

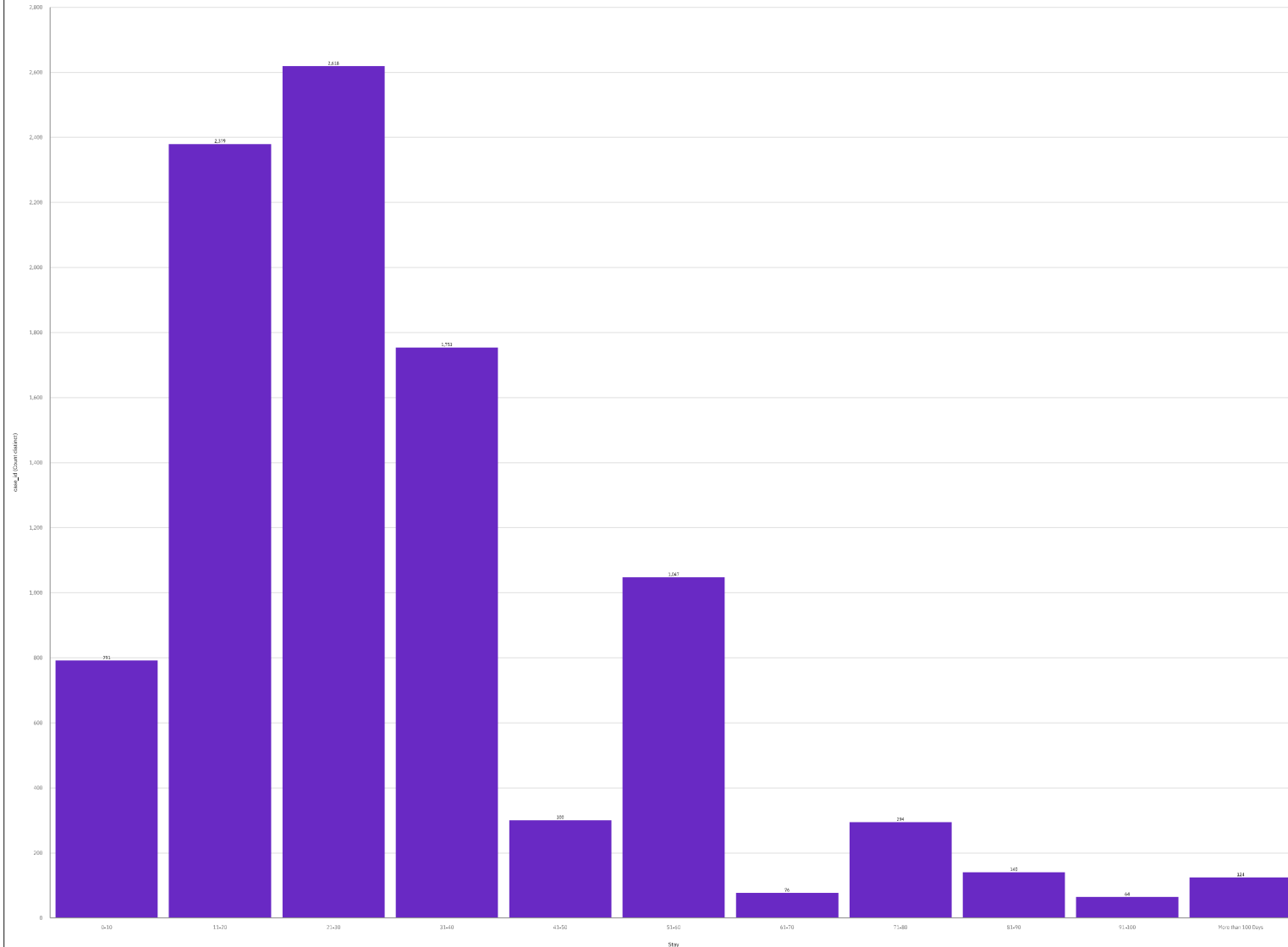
A...

abc Sta

te...sv

| Grade | patientid | City_Code_Patient | Type of Admission | Severity of Illness | Visitors with Patient | Age | Admission_Deposit | Stay |
|-------|-----------|-------------------|-------------------|---------------------|-----------------------|-------|-------------------|-------|
| | 31397 | 7 | Emergency | Extreme | 2 | 51-60 | 4911 | 0-10 |
| | 31397 | 7 | Trauma | Extreme | 2 | 51-60 | 5954 | 41-50 |
| | 31397 | 7 | Trauma | Extreme | 2 | 51-60 | 4745 | 31-40 |
| | 31397 | 7 | Trauma | Extreme | 2 | 51-60 | 7272 | 41-50 |
| | 31397 | 7 | Trauma | Extreme | 2 | 51-60 | 5558 | 41-50 |
| | 31397 | 7 | Trauma | Extreme | 2 | 51-60 | 4449 | 11-20 |
| | 31397 | 7 | Emergency | Extreme | 2 | 51-60 | 6167 | 0-10 |
| | 31397 | 7 | Trauma | Extreme | 2 | 51-60 | 5571 | 41-50 |
| | 31397 | 7 | Trauma | Extreme | 2 | 51-60 | 7223 | 51-60 |
| | 31397 | 7 | Trauma | Extreme | 2 | 51-60 | 6056 | 31-40 |
| | 31397 | 7 | Urgent | Extreme | 2 | 51-60 | 5797 | 21-30 |
| | 31397 | 7 | Urgent | Extreme | 2 | 51-60 | 5993 | 11-20 |
| | 31397 | 7 | Emergency | Extreme | 2 | 51-60 | 5141 | 0-10 |
| | 31397 | 7 | Urgent | Extreme | 2 | 51-60 | 8477 | 21-30 |
| | 63418 | 8 | Emergency | Extreme | 2 | 71-80 | 2685 | 0-10 |
| | 63418 | 8 | Emergency | Extreme | 2 | 71-80 | 9398 | 0-10 |

Length of Stay for each case of patients.

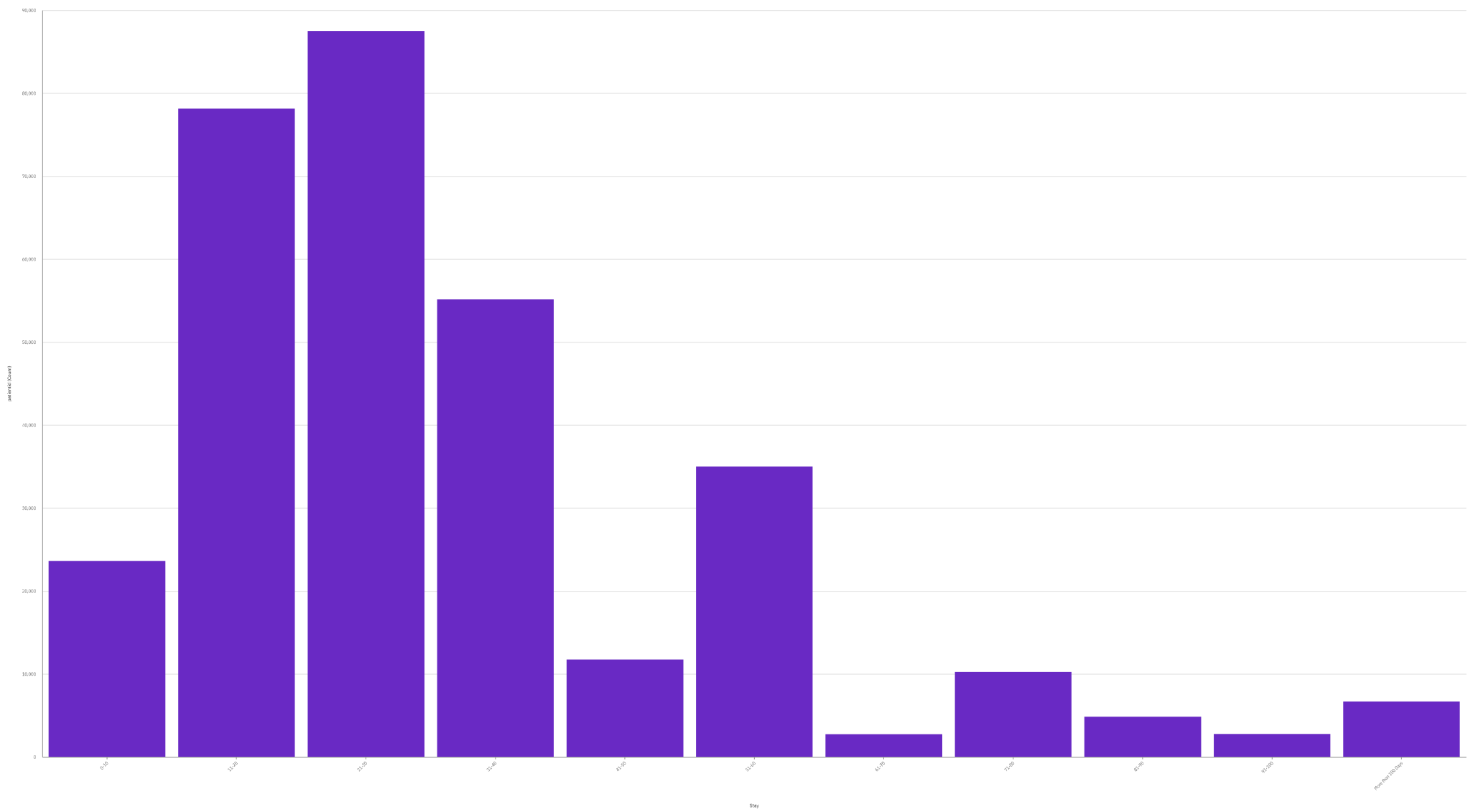


| Department |
|----------------------|
| Department |
| 1. Internal Medicine |
| anesthesiology |
| geriatrics |
| pediatrics |
| radiology |
| surgery |

| Severity of Illness |
|---------------------|
| Severity of Illness |
| Extreme |
| Major |
| Moderate |

Tab 2

Stay by Patient ID using Column Chart



Tab 3

Severity of illness by Patient-Id using Tree Map



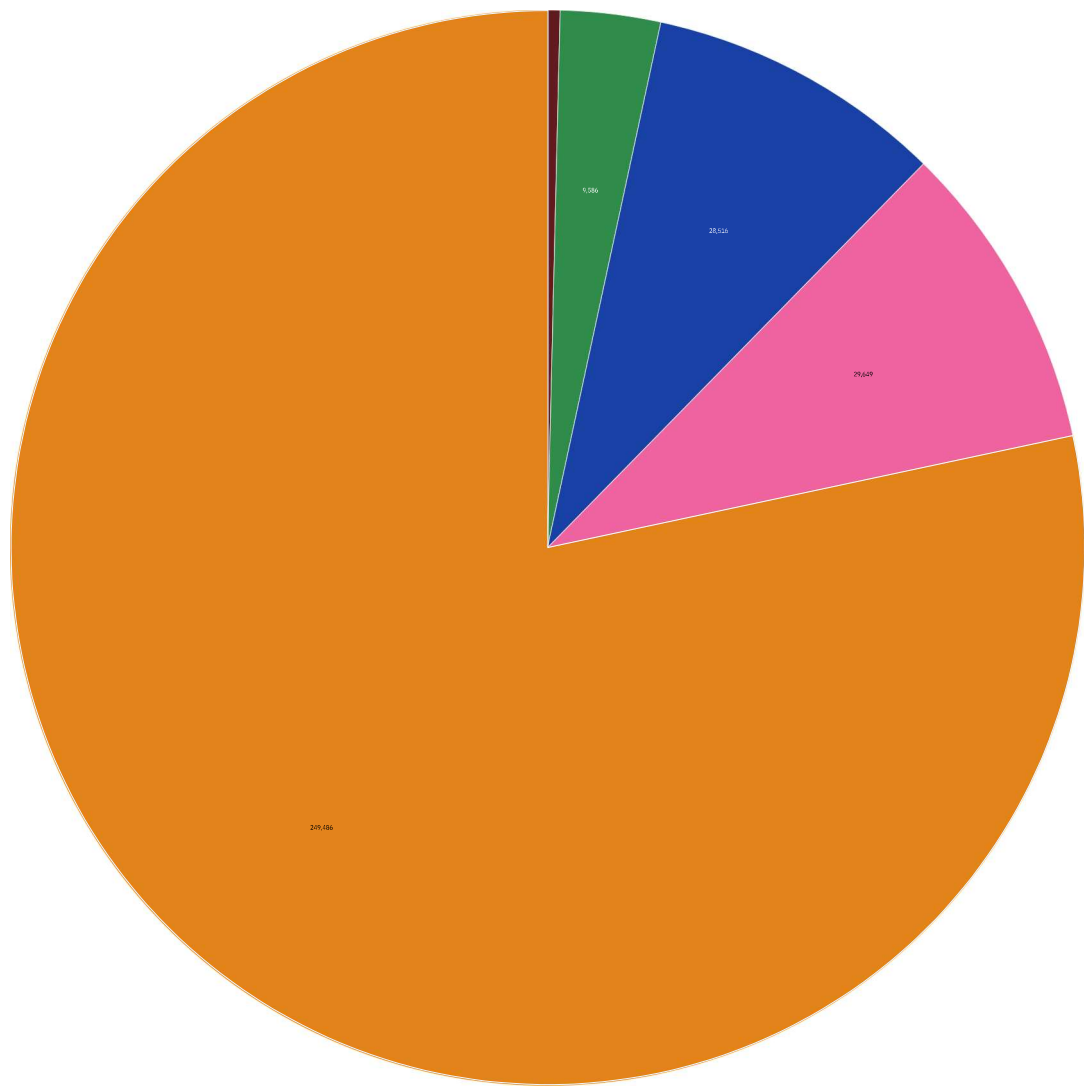
Tab 4

Age, Department Wise Patient using Table

| Department | Age | patients |
|--------------------|--------|----------|
| TB & Chest disease | 0-10 | 387 |
| | 11-20 | 654 |
| | 21-30 | 1,237 |
| | 31-40 | 1,563 |
| | 41-50 | 1,717 |
| | 51-60 | 1,858 |
| | 61-70 | 1,358 |
| | 71-80 | 704 |
| | 81-90 | 76 |
| | 91-100 | 42 |
| Summary | | 9,586 |
| anesthesia | 0-10 | 464 |
| | 11-20 | 1,315 |
| | 21-30 | 3,320 |
| | 31-40 | 5,090 |
| | 41-50 | 5,678 |
| | 51-60 | 4,875 |
| | 61-70 | 3,860 |
| | 71-80 | 4,062 |
| | 81-90 | 913 |
| | 91-100 | 202 |
| Summary | | 29,649 |
| gynecology | 0-10 | 4,362 |
| | 11-20 | 13,021 |
| | 21-30 | 22,637 |
| | 31-40 | 53,246 |
| | 41-50 | 52,212 |
| | 51-60 | 37,798 |
| | 61-70 | 24,460 |
| | 71-80 | 24,925 |
| | 81-90 | 5,236 |
| | 91-100 | 739 |
| Summary | | 259,686 |
| radiotherapy | 0-10 | 943 |
| | 11-20 | 1,644 |
| | 21-30 | 2,771 |
| | 31-40 | 3,626 |
| | 41-50 | 4,031 |
| | 51-60 | 3,739 |
| | 61-70 | 3,864 |
| | 71-80 | 5,903 |
| | 81-90 | 1,598 |
| | 91-100 | 307 |
| Summary | | 28,516 |
| surgery | 0-10 | 98 |
| | 11-20 | 44 |
| | 21-30 | 78 |
| | 31-40 | 124 |
| | 41-50 | 181 |
| | 51-60 | 204 |
| | 61-70 | 195 |
| | 71-80 | 198 |
| | 81-90 | 67 |
| | 91-100 | 12 |
| Summary | | 1,021 |
| Summary | | 318,438 |

Tab 5

Room Availability by Pie Chart



Tab 6

Department wise no. of admissions by Waterfall Chart

Column values

● Increase ● Decrease ● Sum

