

PROJECT DEVELOPMENT PHASE

SPRINT DELIVERY -2

TEAM ID : PNT2022TMID28169

BATCH NO : B1-1M3E

PROJECT : Analytics for

Hospitals Health-Care Data

DATE : 5 NOV 2022

Project Development Phase

Sprint-1:

- ✓ Data Collection
- ✓ Loading of data
- ✓ Data Preparation

Sprint-3:

- ✓ Dashboard Creation

Sprint-2:

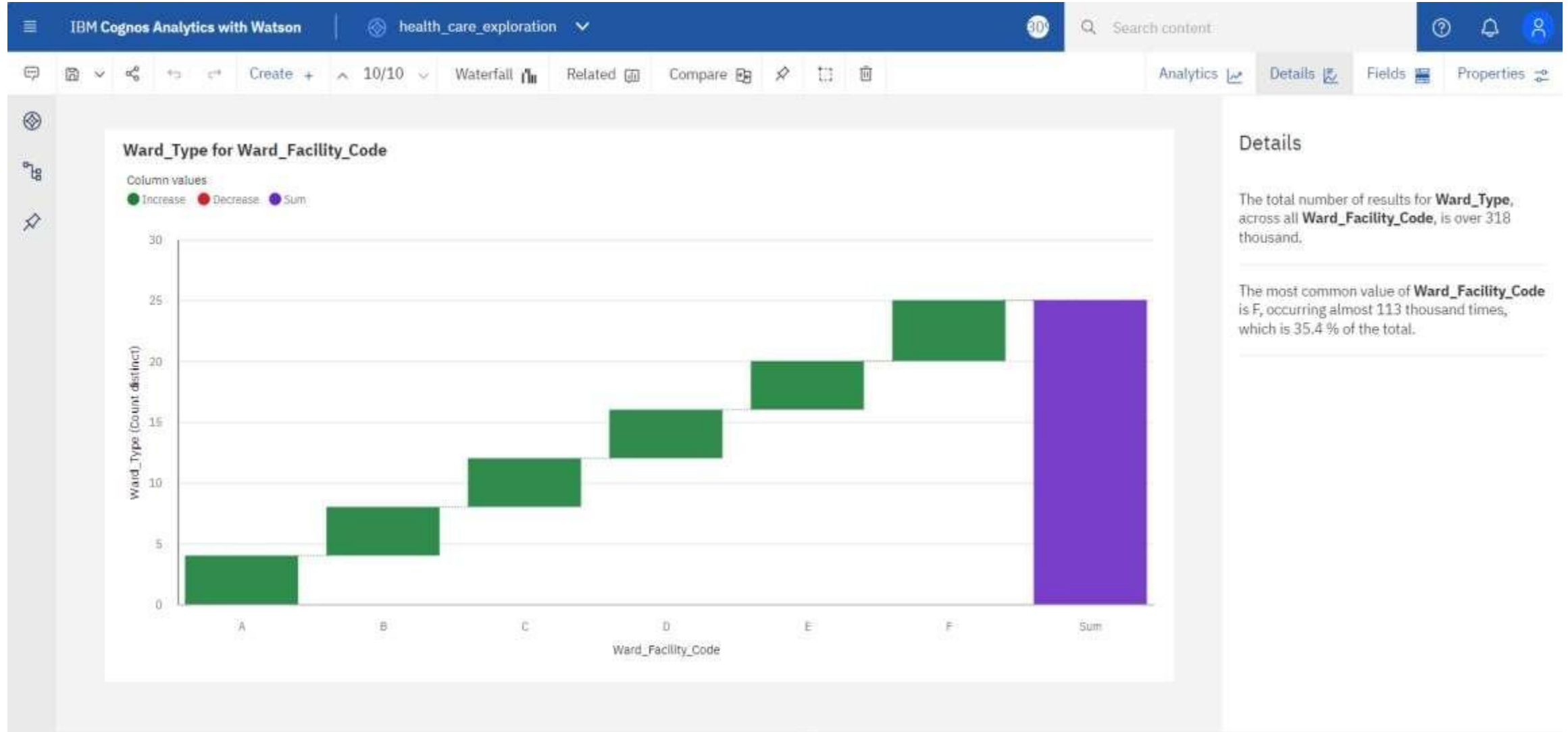
- ✓ Data Exploration
- ✓ Data Visualization

Sprint-4:

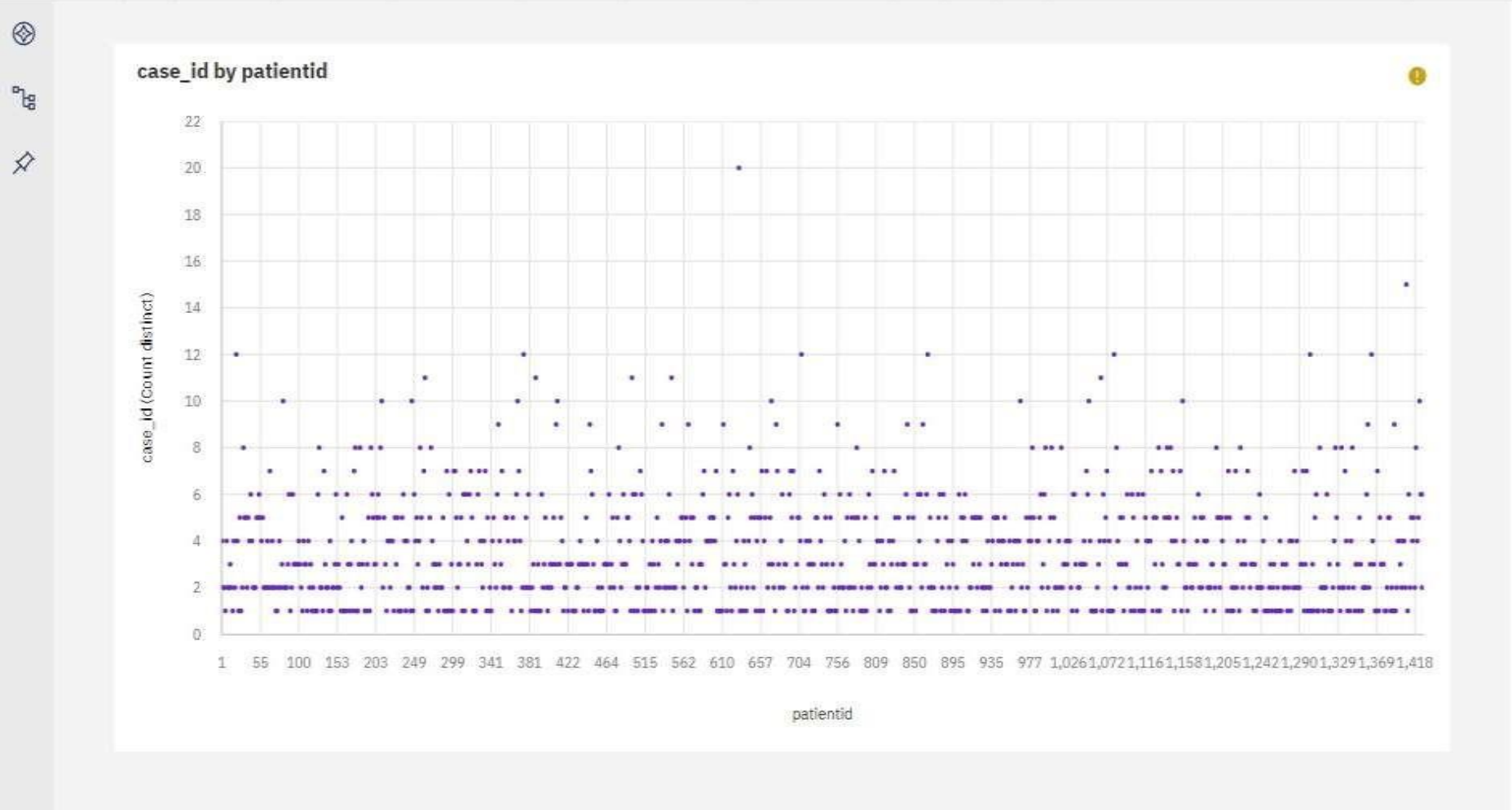
- ✓ Report Creation
- ✓ Story Creation

DATA EXPLORATION


Ward_Type for Ward_Facility_Code:



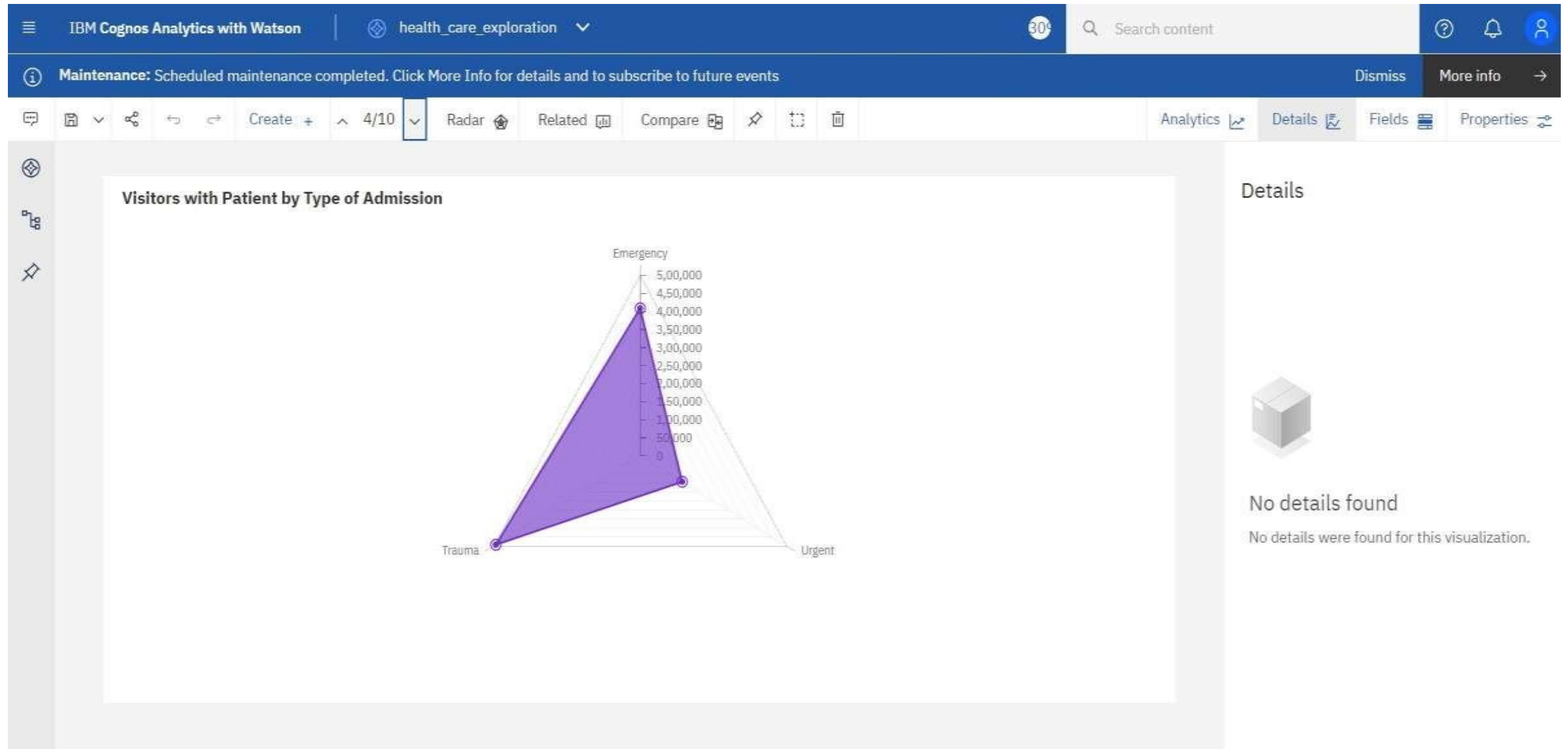
case_id by patientid:



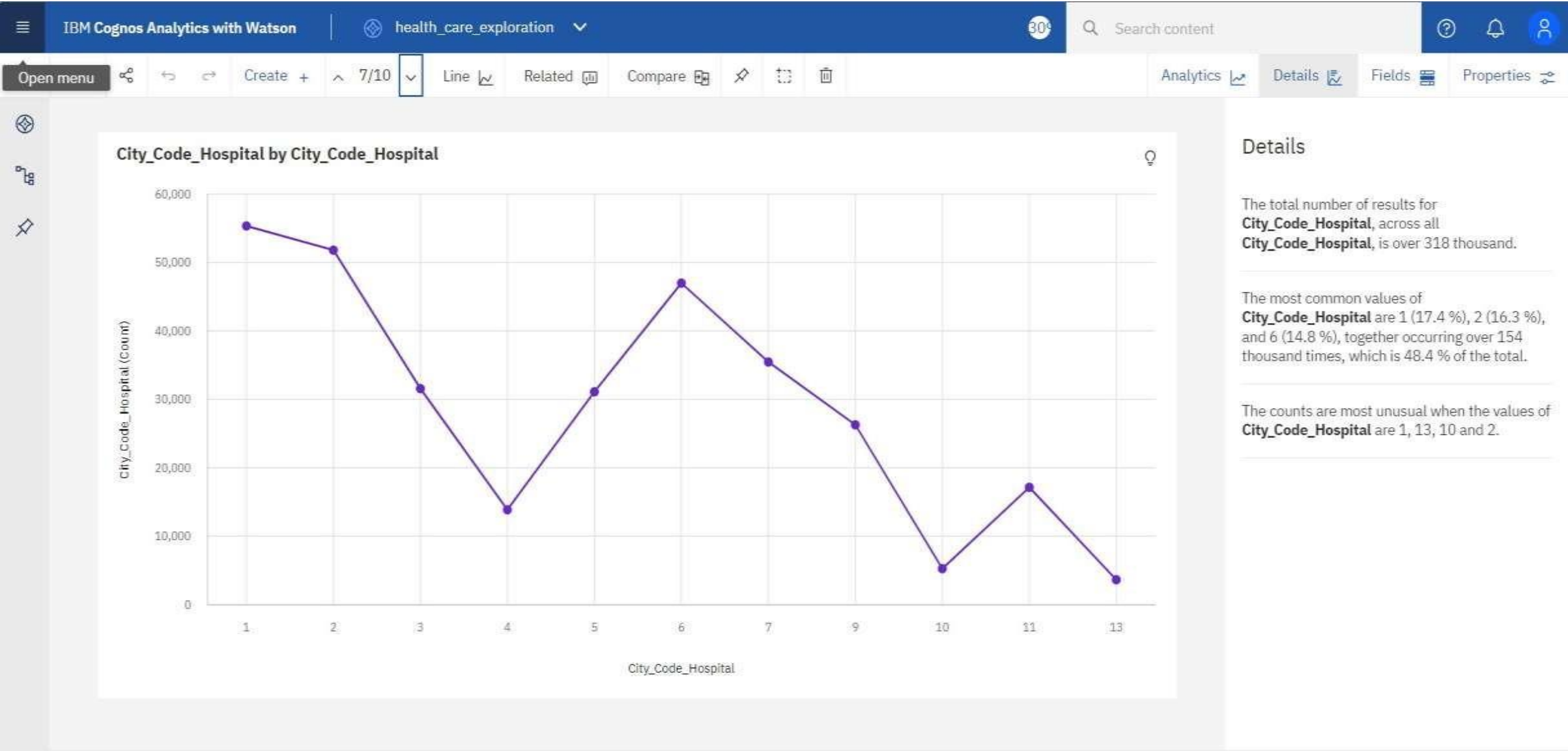
Details


Loading details...

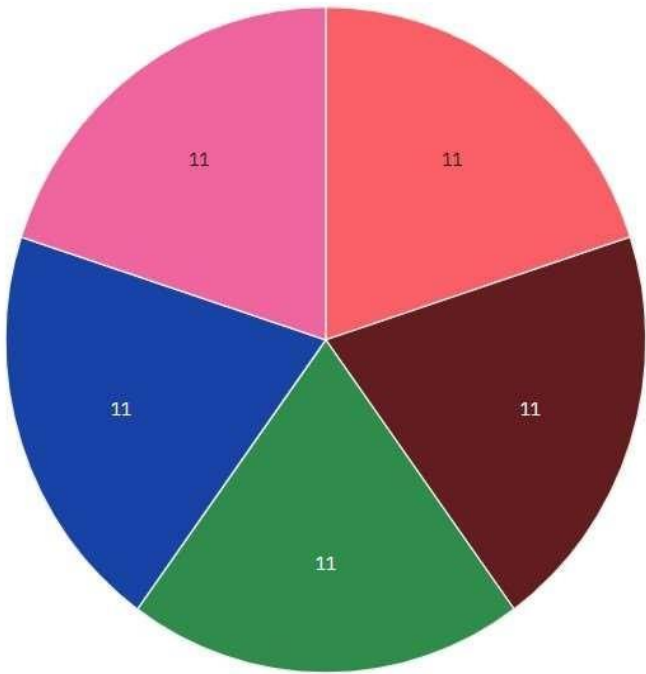
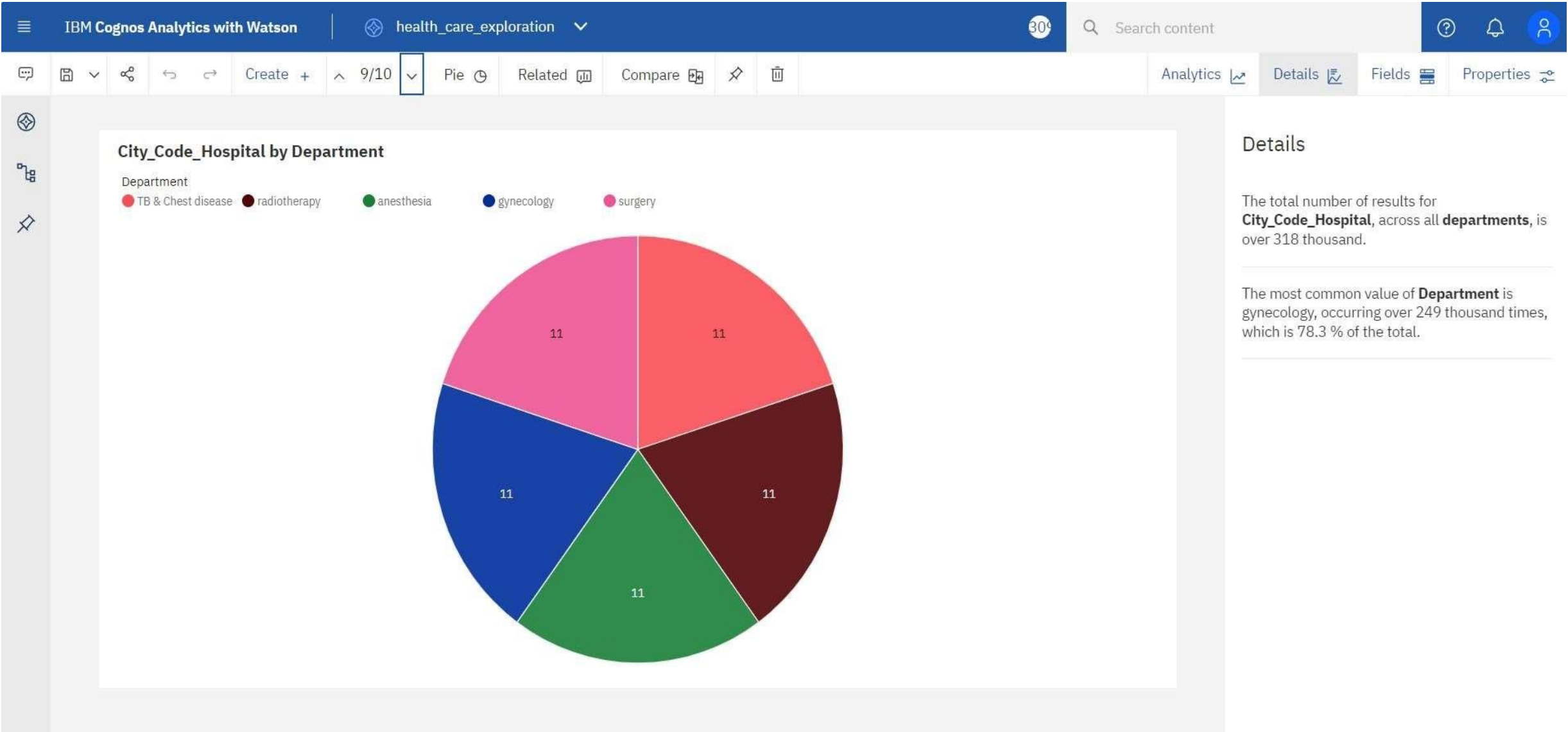
Visitors with Patient by Type of Admission:



City_Code_Hospital by City_Code_Hospital:

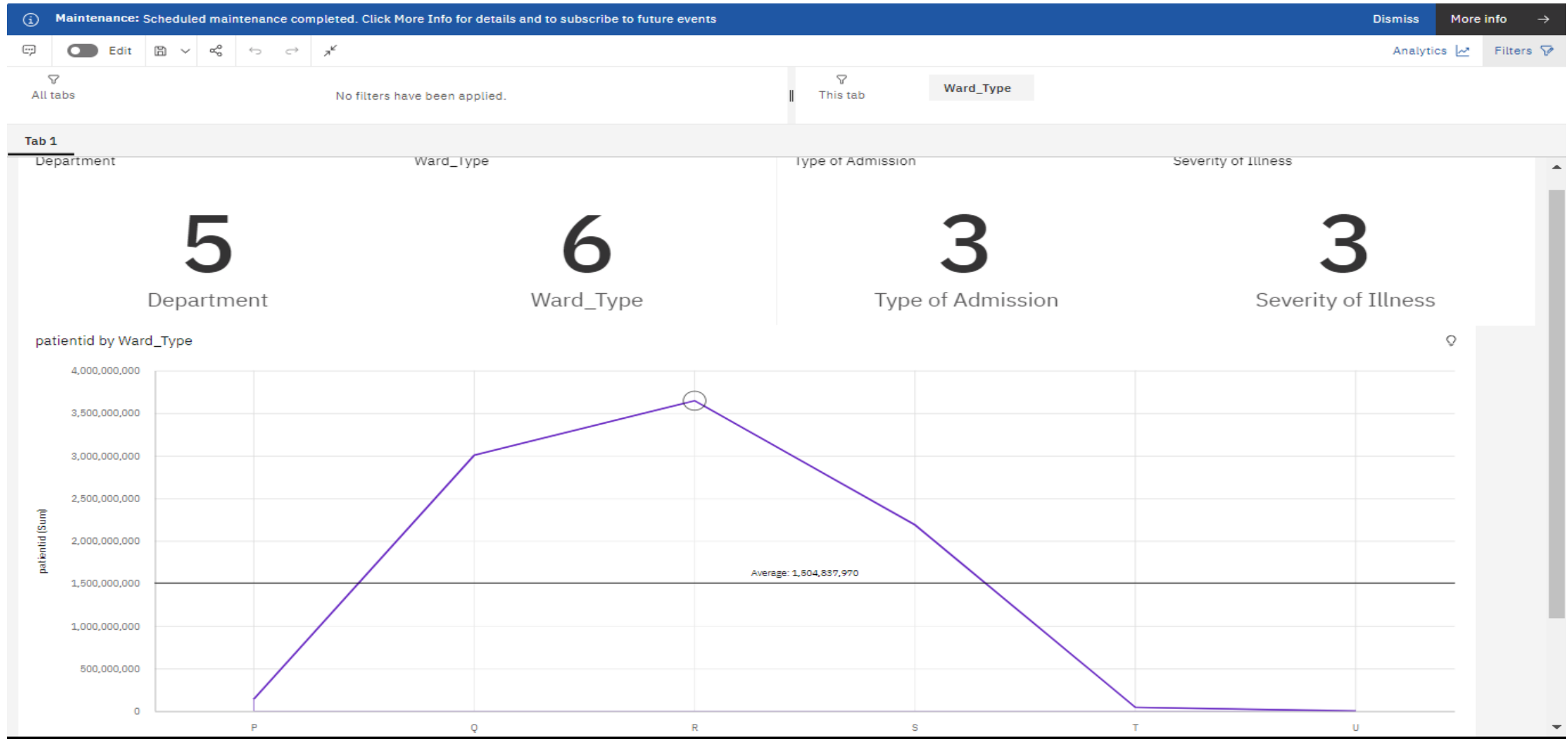


City_Code_Hospital by Department:

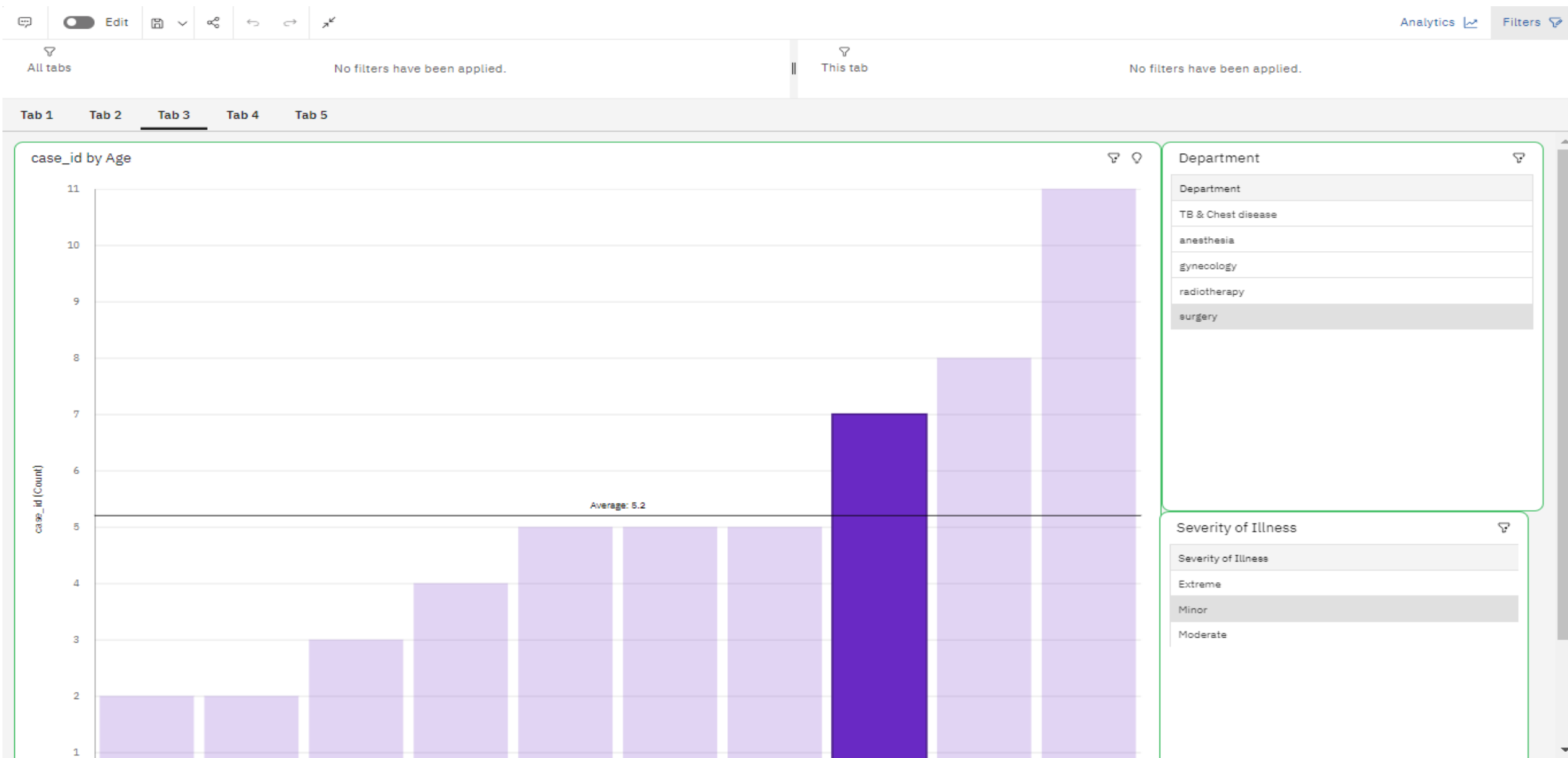


DATA VISUALIZATIONS

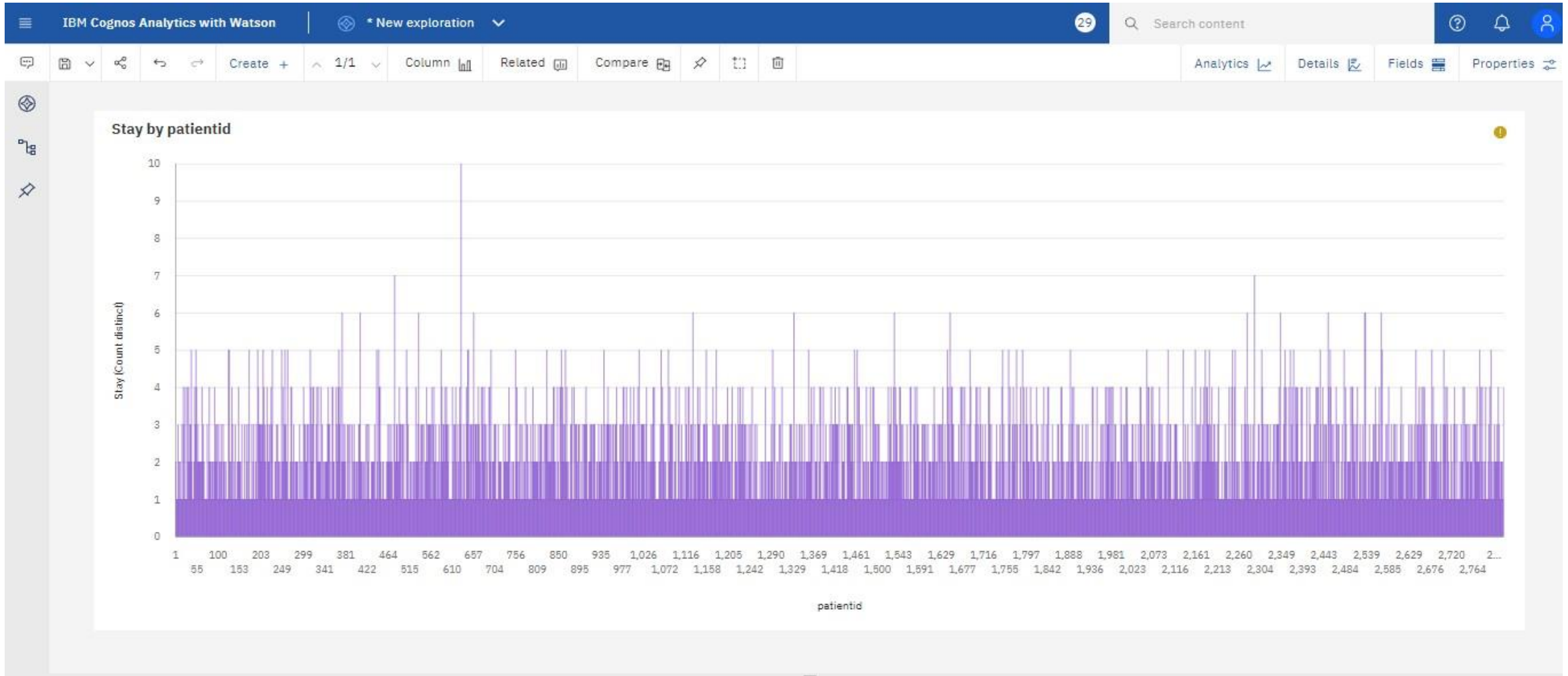
1. NUMBER OF PATIENTS BY WARD TYPE



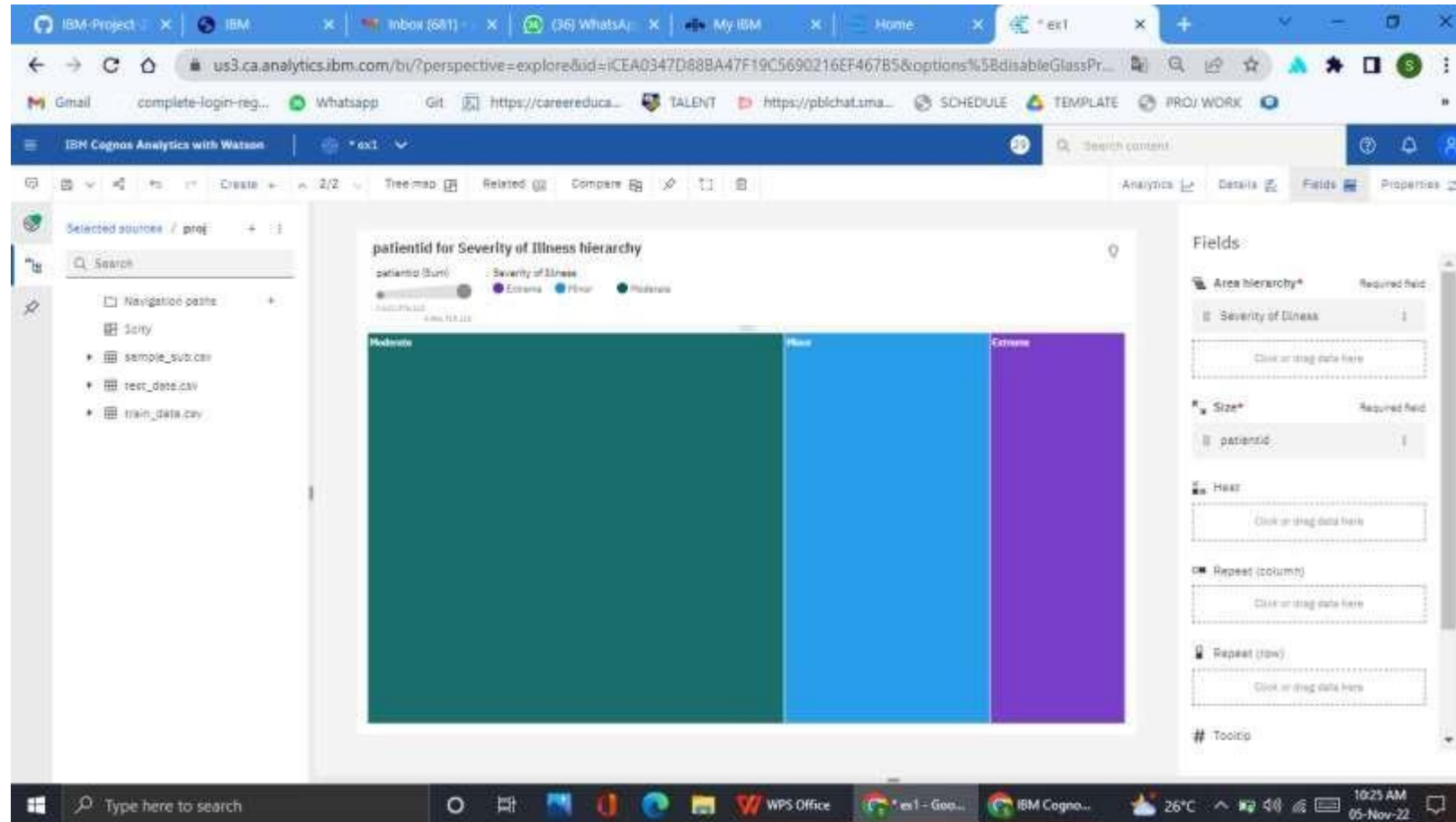
AGE WISE PATIENTS WITH DEPARTMENT AND SEVERITY OF ILLNESS



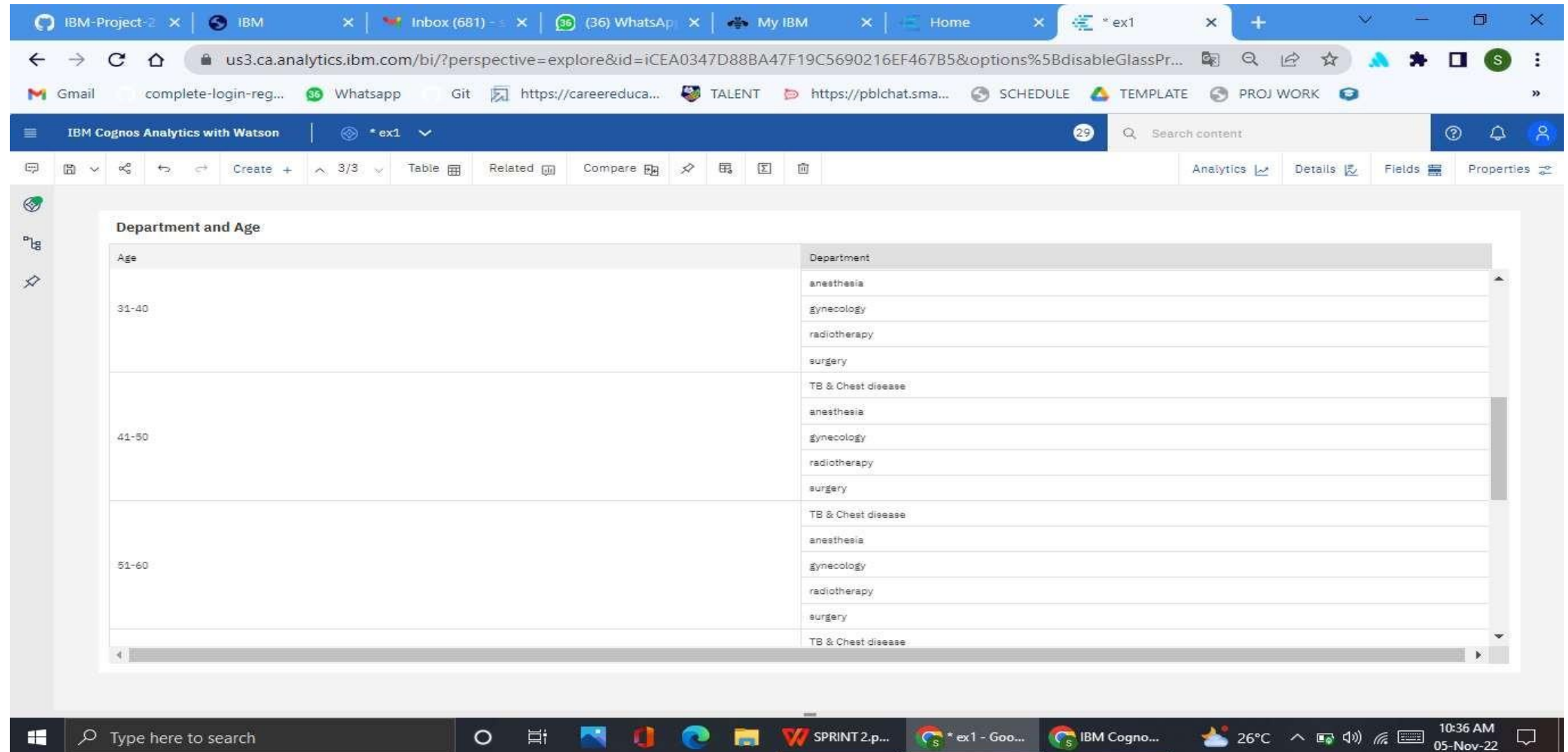
STAY BY PATIENT ID



SEVERITY OF ILLNESS BY PATIENT-ID USING TREE MAP



AGE AND DEPARTMENT WISE PATIENT USING TABLE



The screenshot displays the IBM Cognos Analytics interface. The browser address bar shows the URL: us3.ca.analytics.ibm.com/bi/?perspective=explore&id=iCEA0347D88BA47F19C5690216EF467B5&options%5BdisableGlassPr.... The interface includes a top navigation bar with tabs for 'IBM-Project-2', 'IBM', 'Inbox (681)', '(36) WhatsApp', 'My IBM', 'Home', and '*ex1'. Below this is a search bar and a 'Search content' field. The main content area shows a table titled 'Department and Age' with two columns: 'Age' and 'Department'. The table is divided into three sections based on age groups: 31-40, 41-50, and 51-60. Each section lists the departments: anesthesia, gynecology, radiotherapy, surgery, and TB & Chest disease. The table is displayed in a grid view, and the interface includes various toolbars for creating, editing, and analyzing data.

Age	Department
31-40	anesthesia
	gynecology
	radiotherapy
	surgery
	TB & Chest disease
41-50	anesthesia
	gynecology
	radiotherapy
	surgery
	TB & Chest disease
51-60	anesthesia
	gynecology
	radiotherapy
	surgery
	TB & Chest disease

CASE ID BY AGE COLOURED BY DEPARTMENT

IBM Cognos Analytics with Watson

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Search content

?

🔔

👤

🗨

🔍 Edit

📄

🔗

↶

↷

📊 Stacked bar

🌐

🔍

📄

✍

Analytics

Filters

🔍 All tabs

No filters have been applied.

||

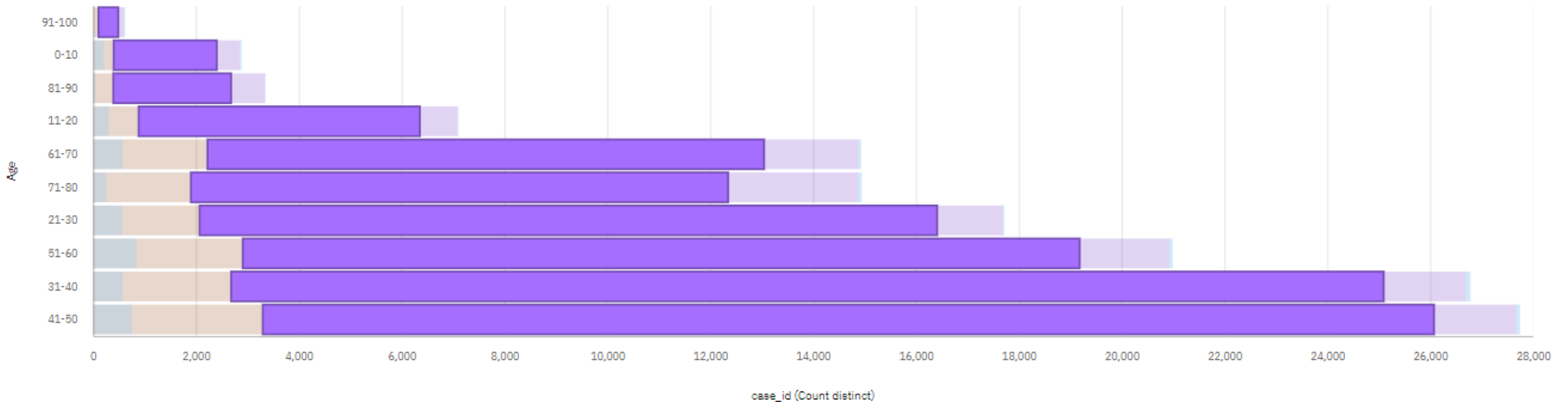
🔍 This tab

No filters have been applied.

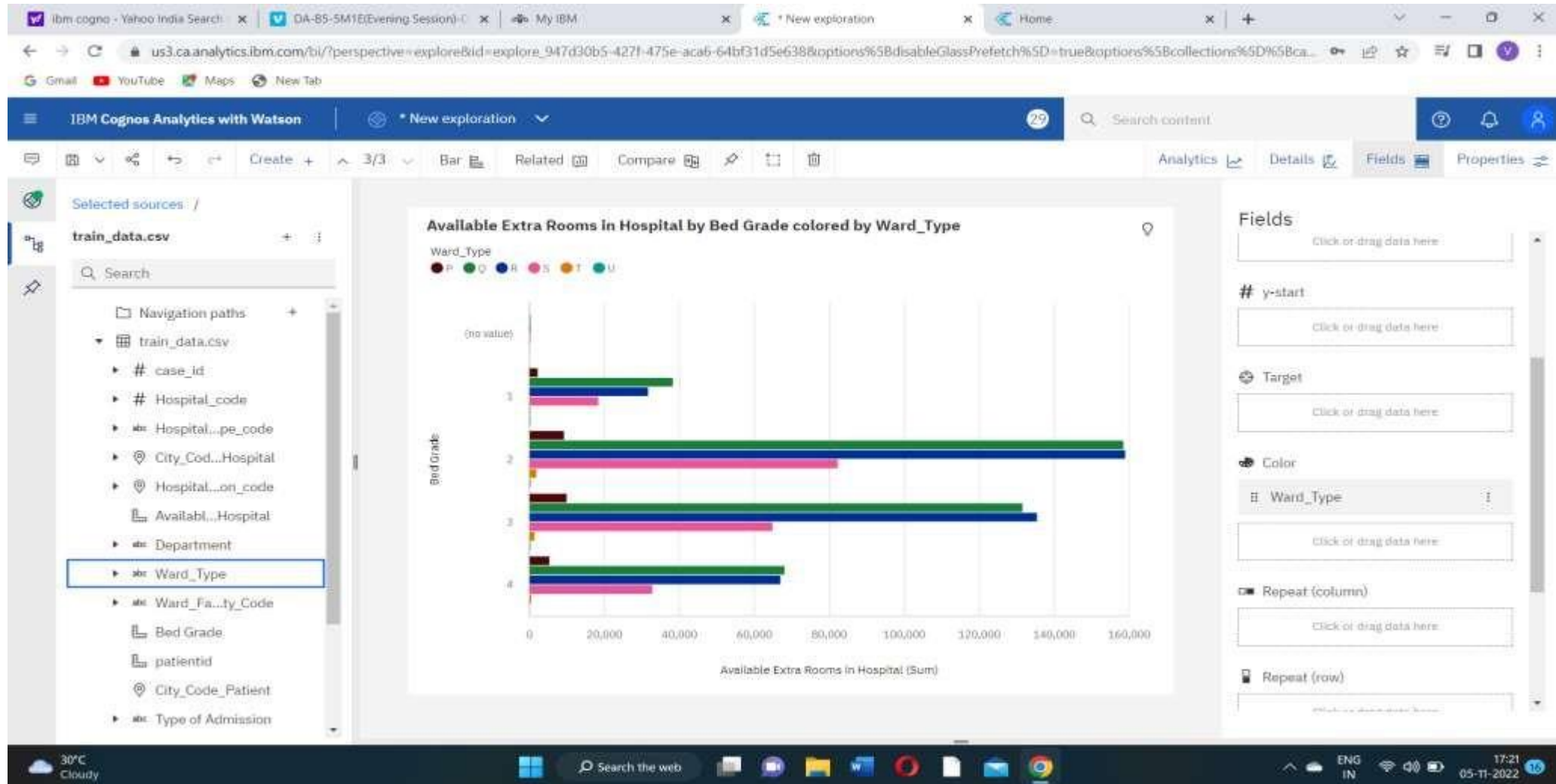
case_id by Age colored by Department

Department

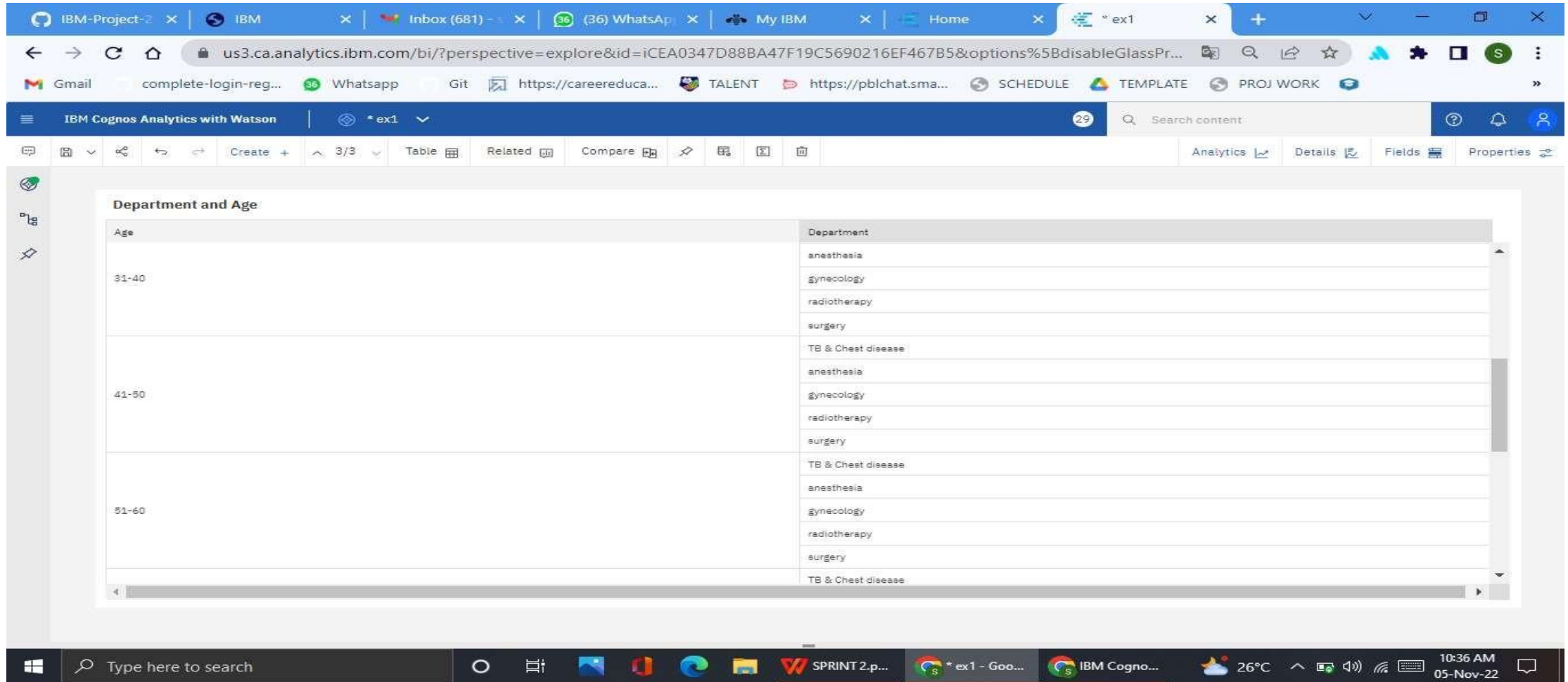
- TB & Chest disease
- anesthesia
- gynecology
- radiotherapy
- surgery



AVAILABILITY OF EXTRA BEDS IN HOSPITAL BY BED GRADE



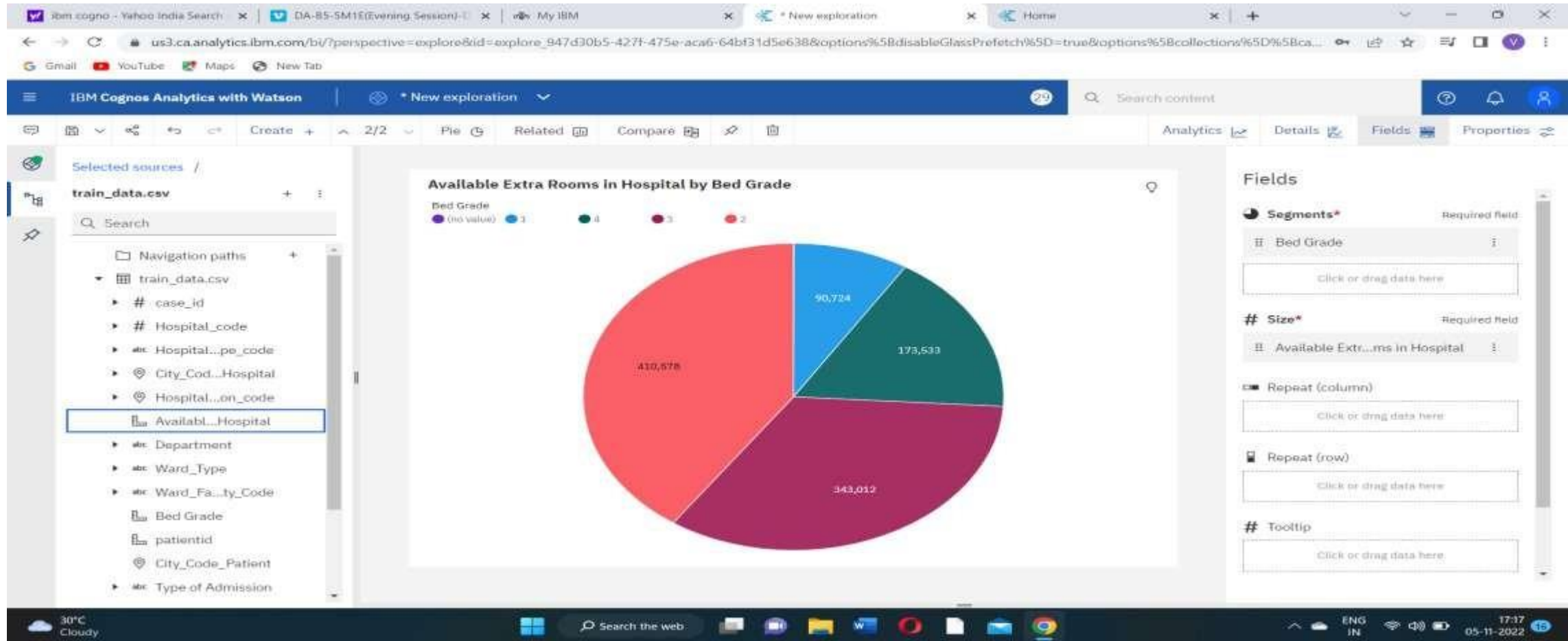
AGE AND DEPARTMENT WISE PATIENT USING TABLE



The screenshot displays the IBM Cognos Analytics interface. The browser tabs at the top include 'IBM-Project-2', 'IBM', 'Inbox (681)', '(36) WhatsApp', 'My IBM', 'Home', and '* ex1'. The address bar shows the URL 'us3.ca.analytics.ibm.com/bi/?perspective=explore&id=iCEA0347D88BA47F19C5690216EF467B5&options%5BdisableGlassPr...'. The IBM Cognos Analytics header shows the title 'IBM Cognos Analytics with Watson', a search bar, and a user profile icon. The main content area features a table titled 'Department and Age' with two columns: 'Age' and 'Department'. The table is filtered to show data for three age groups: '31-40', '41-50', and '51-60'. Each age group has a list of departments: 'anesthesia', 'gynecology', 'radiotherapy', 'surgery', and 'TB & Chest disease'. The table is displayed in a 'Table' view, and the bottom of the interface shows the Windows taskbar with the search bar and various application icons.

Age	Department
31-40	anesthesia
	gynecology
	radiotherapy
	surgery
	TB & Chest disease
41-50	anesthesia
	gynecology
	radiotherapy
	surgery
	TB & Chest disease
51-60	anesthesia
	gynecology
	radiotherapy
	surgery
	TB & Chest disease

AVAILABILITY OF EXTRA ROOMS BY BED GRADE



WARD TYPE FOR BED GRADE AND AVAILABLE EXTRA ROOMS

The screenshot displays the IBM Cognos Analytics interface. On the left, the 'Selected sources' pane shows a file named 'train_data.csv' with various fields listed, including 'Ward_Type', 'Bed Grade', and 'Available Extra Rooms in Hospital'. The main workspace shows a table titled 'Ward_Type for Bed Grade and Available Extra Rooms in Hospital'. The table has columns for 'Ward_Type', four unnamed columns (1, 2, 3, 4), and a 'Summary' column. The data is as follows:

Ward_Type	1	2	3	4	Summary
0	(no value)		3	2	1
1		4	5	5	5
2		5	5	6	6
3		5	5	6	6
4		6	6	6	6
5		5	5	5	4
6		4	5	4	4
7		4	4	4	4
8		4	4	4	4
9		3	4	4	3
10		2	4	4	3
11		1	2	2	2
12		1	2	2	2
13	(no value)		1	(no value)	1

On the right, the 'Fields' pane shows the 'Columns' section with 'Bed Grade' and 'Available Extra Rooms in Hospital' listed. The 'Rows' section is empty. The 'Values' section shows 'Ward_Type' as a required field. The 'Local filters' section is also empty.