

# PROJECT DEVELOPMENT PHASESPRINT DELIVERY -2

**TEAM ID : PNT2022TMID33091**

**BATCH NO : B9-3A5E**

**PROJECT : Analytics for**

**Hospitals Health-Care Data**

**DATE : 19 NOV 2022**

# Project Development Phase

## Sprint-1:

- ✓ Data Collection
- ✓ Loading Of Data
- ✓ Data Preparation

## Sprint-2:

- ✓ Data Exploration
- ✓ Data Visualization

## Sprint-3:

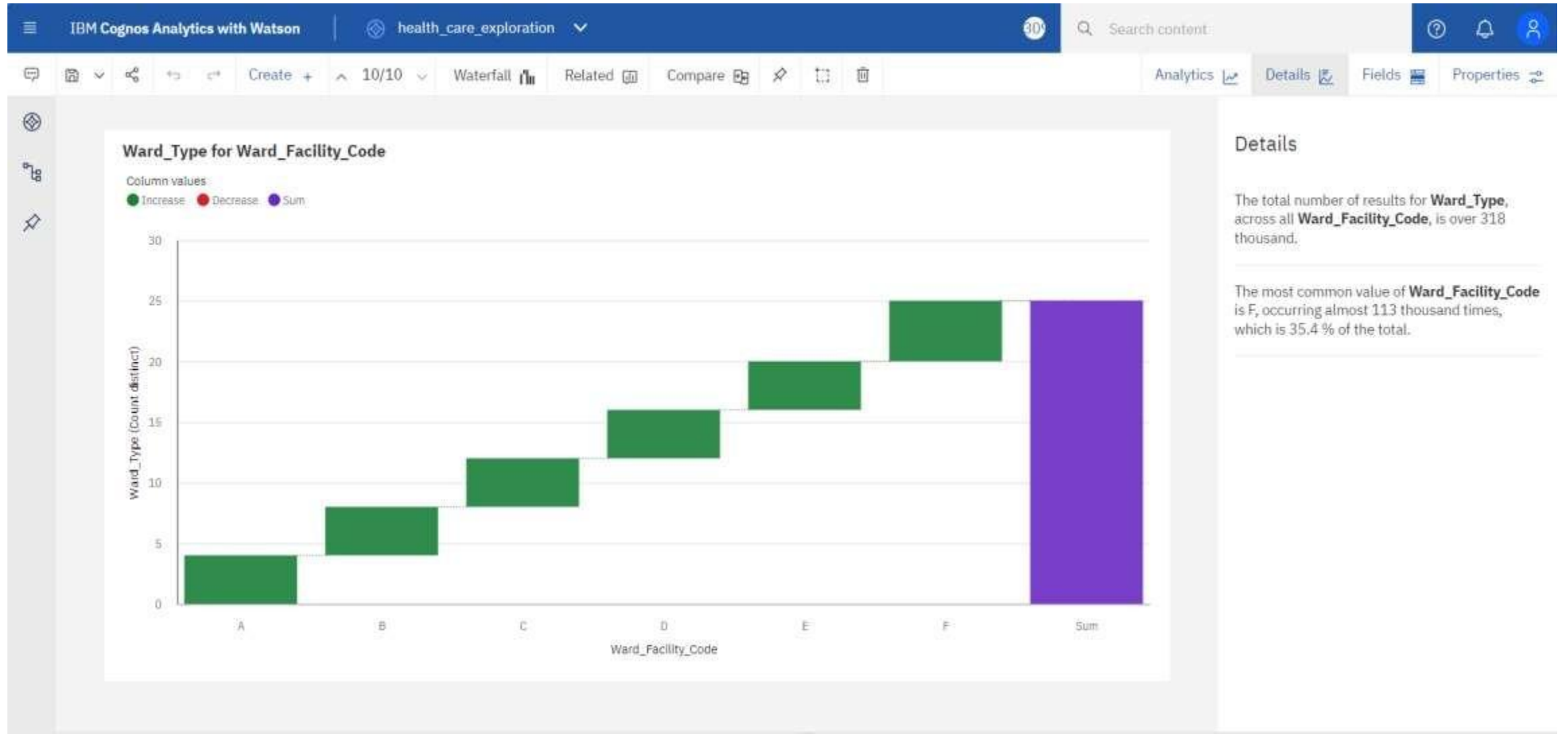
- ✓ Dashboard Creation

## Sprint-4

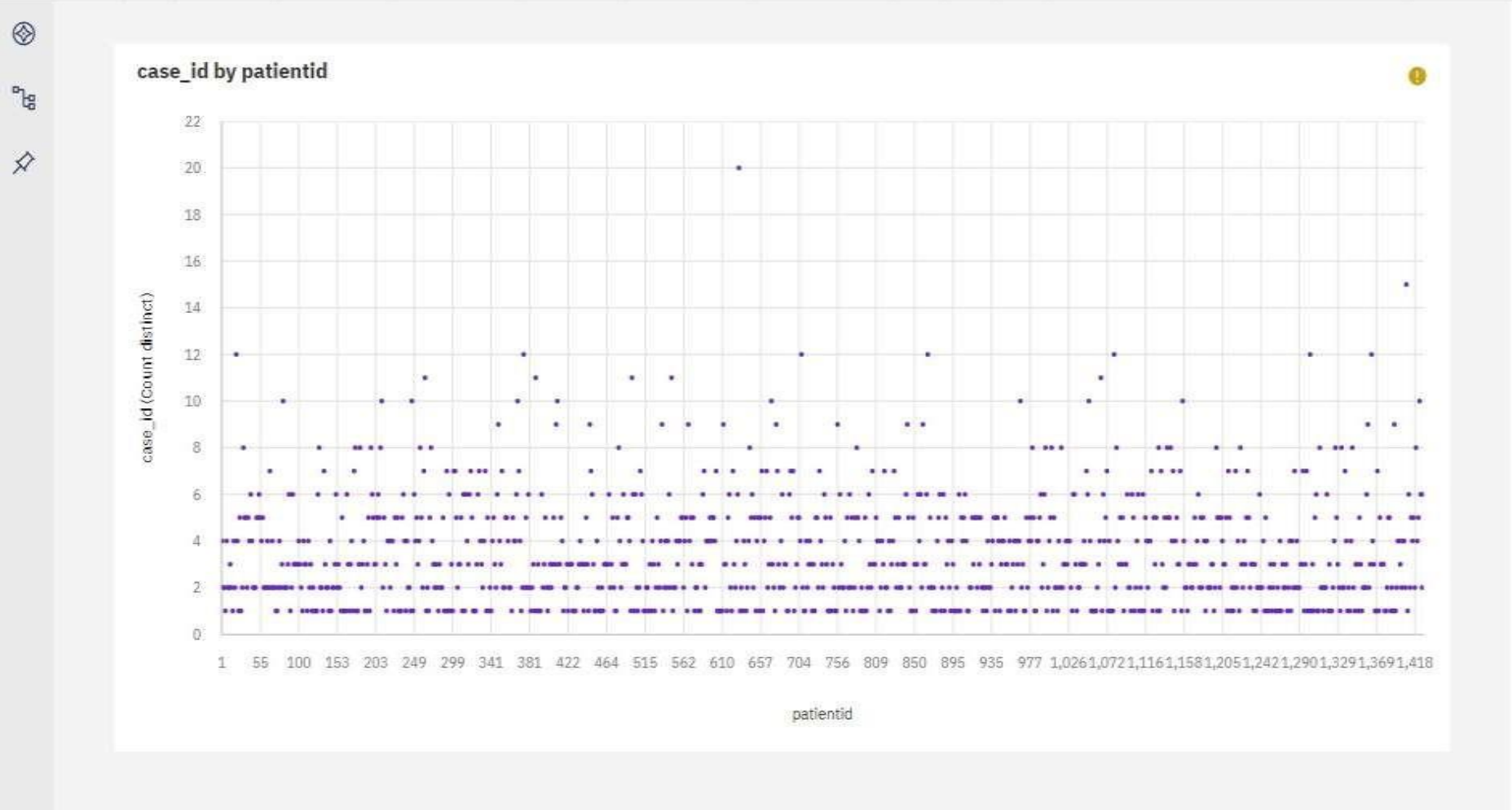
- ✓ Report Creation
- ✓ Story Creation

# DATA EXPLORATION


Ward\_Type for Ward\_Facility\_Code:



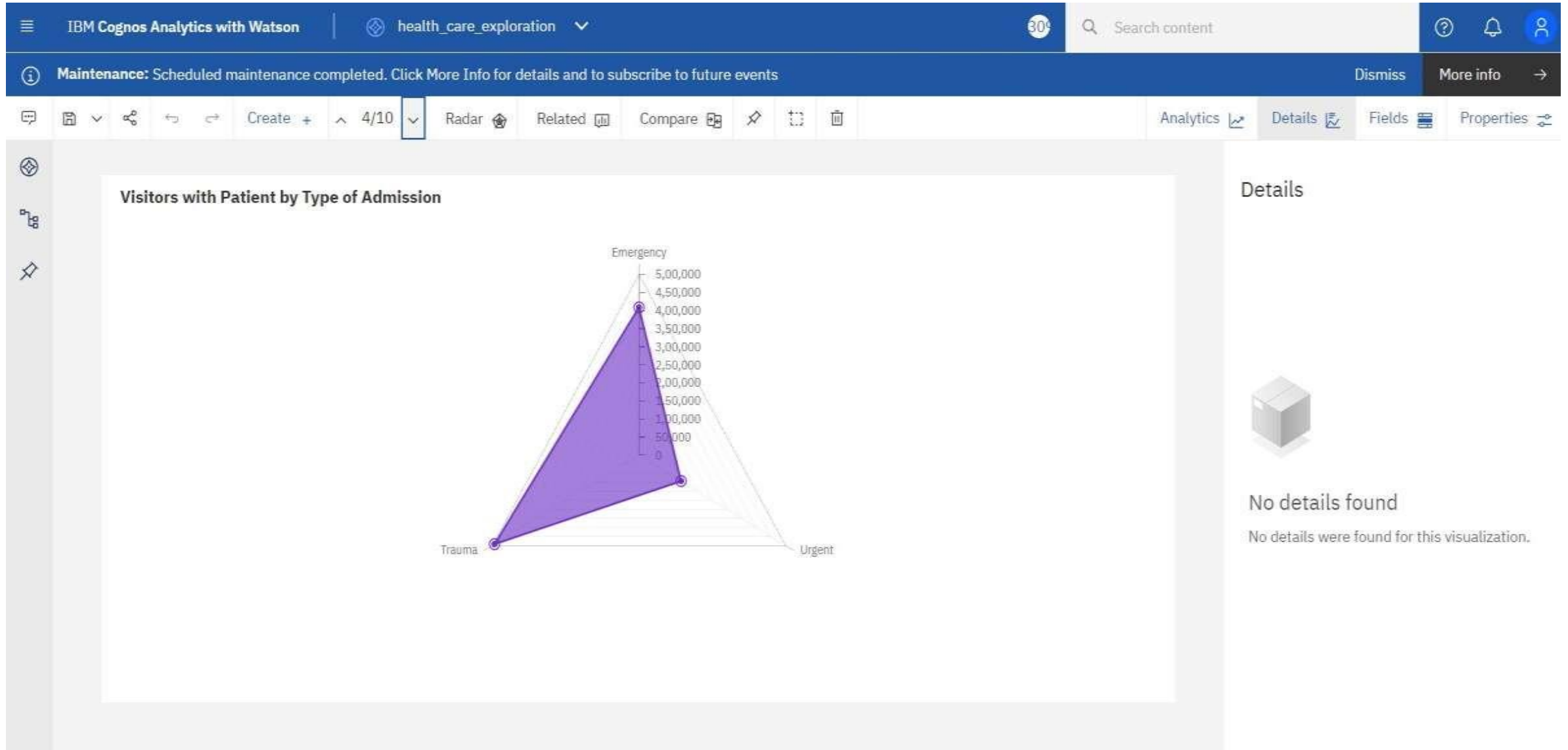
# case\_id by patient id:



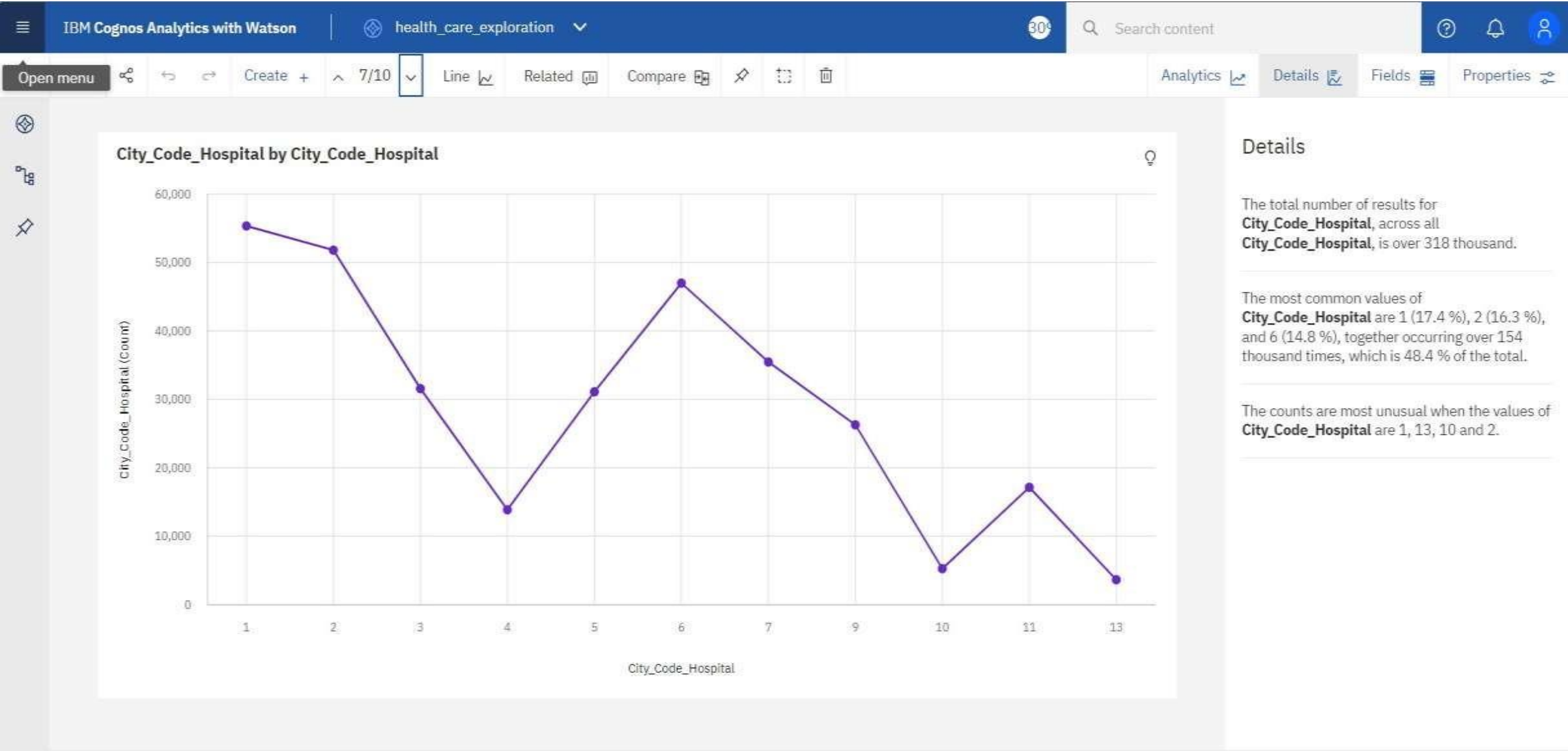
Details

  
Loading details...

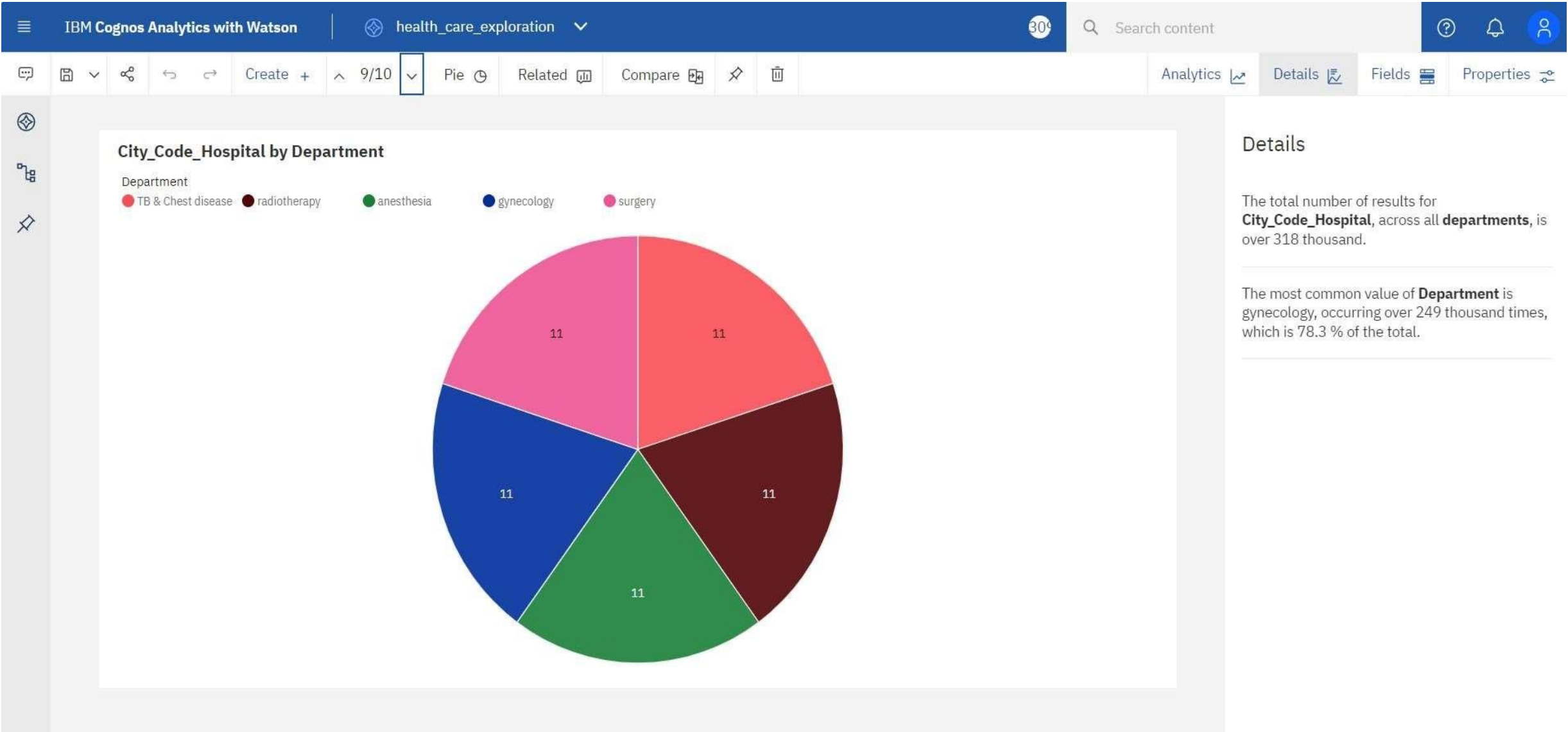
# Visitors with Patient by Type of Admission:



# City\_Code\_Hospital by City\_Code\_Hospital:



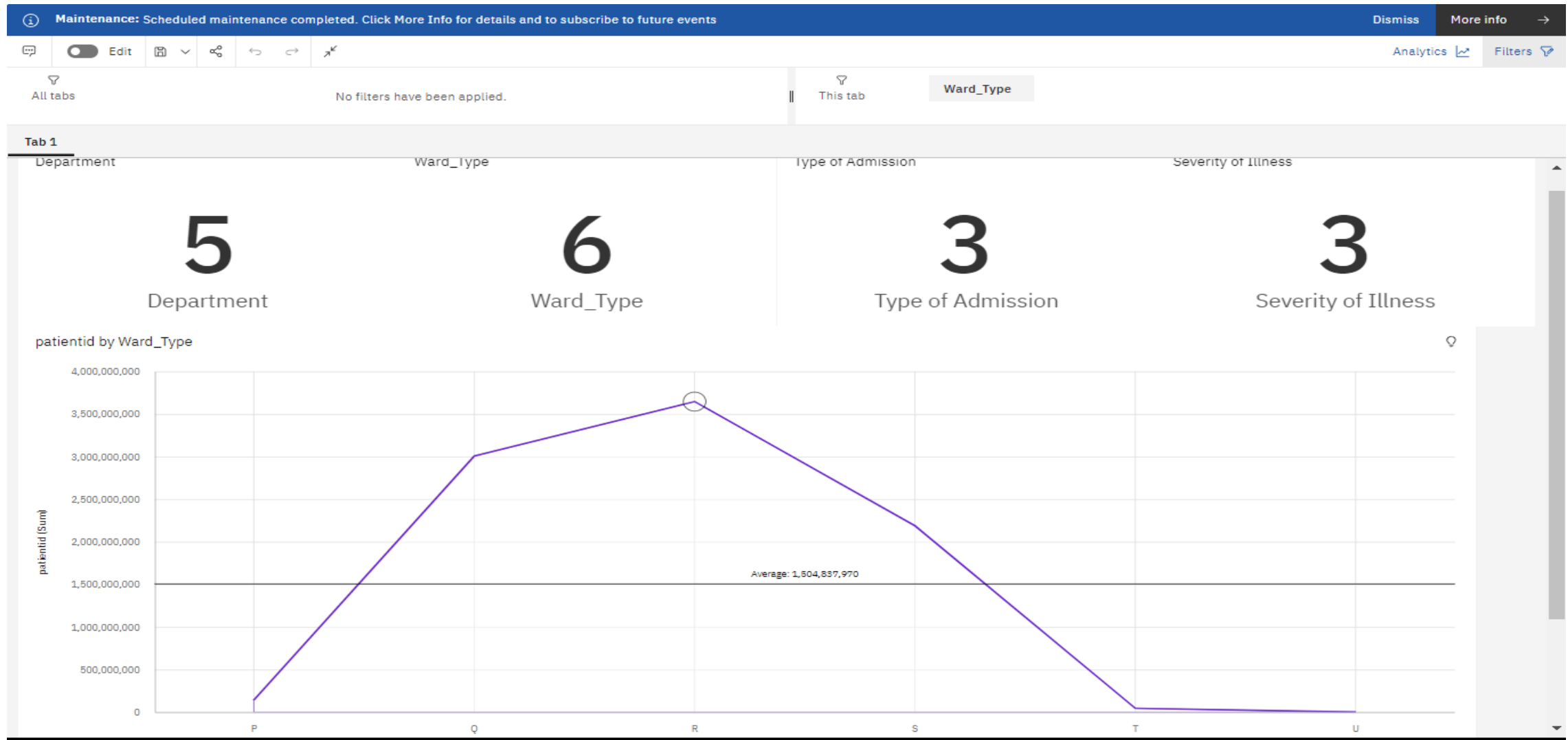
# City\_Code\_Hospital by Department:



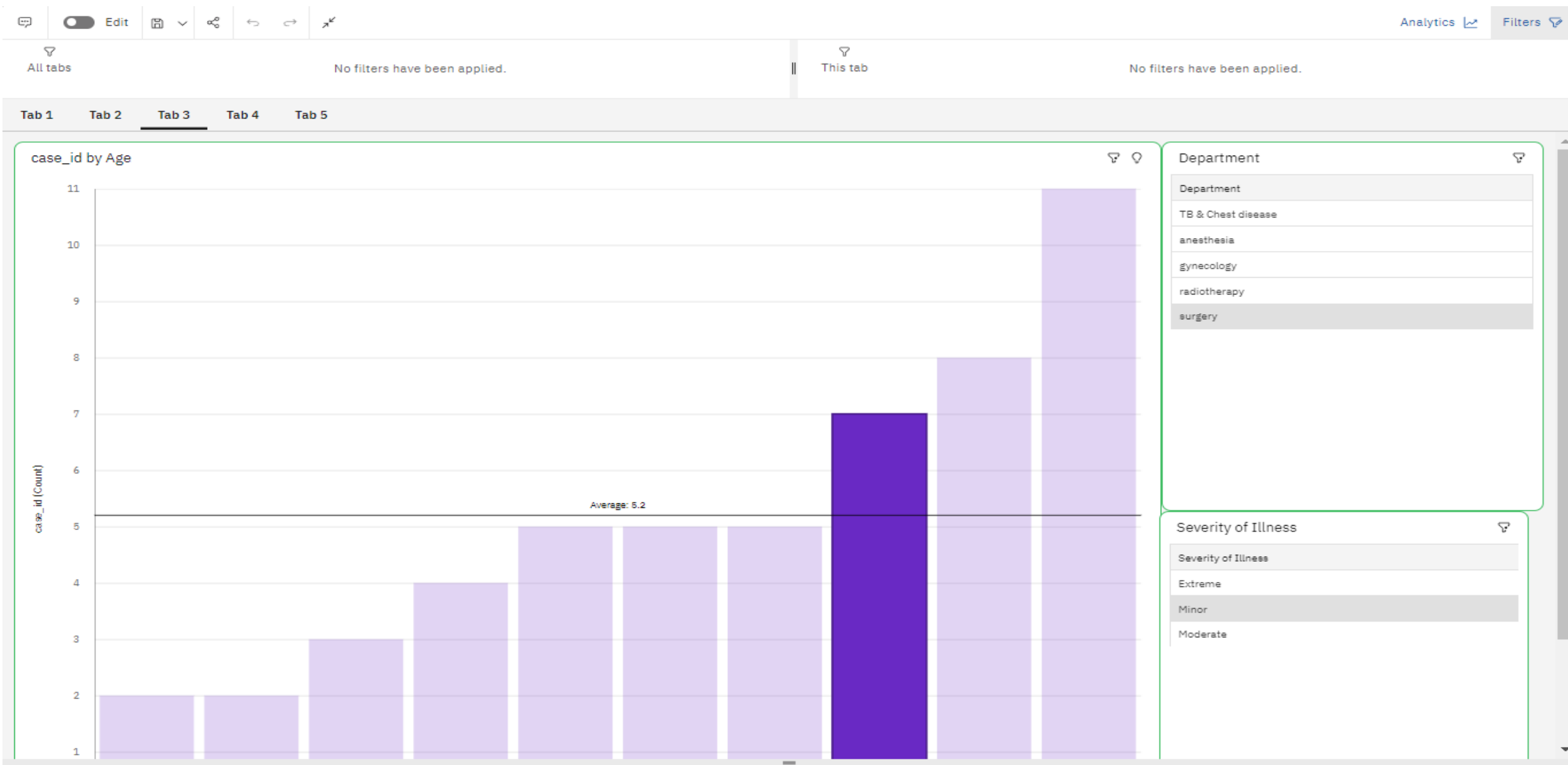


# DATA VISUALIZATIONS

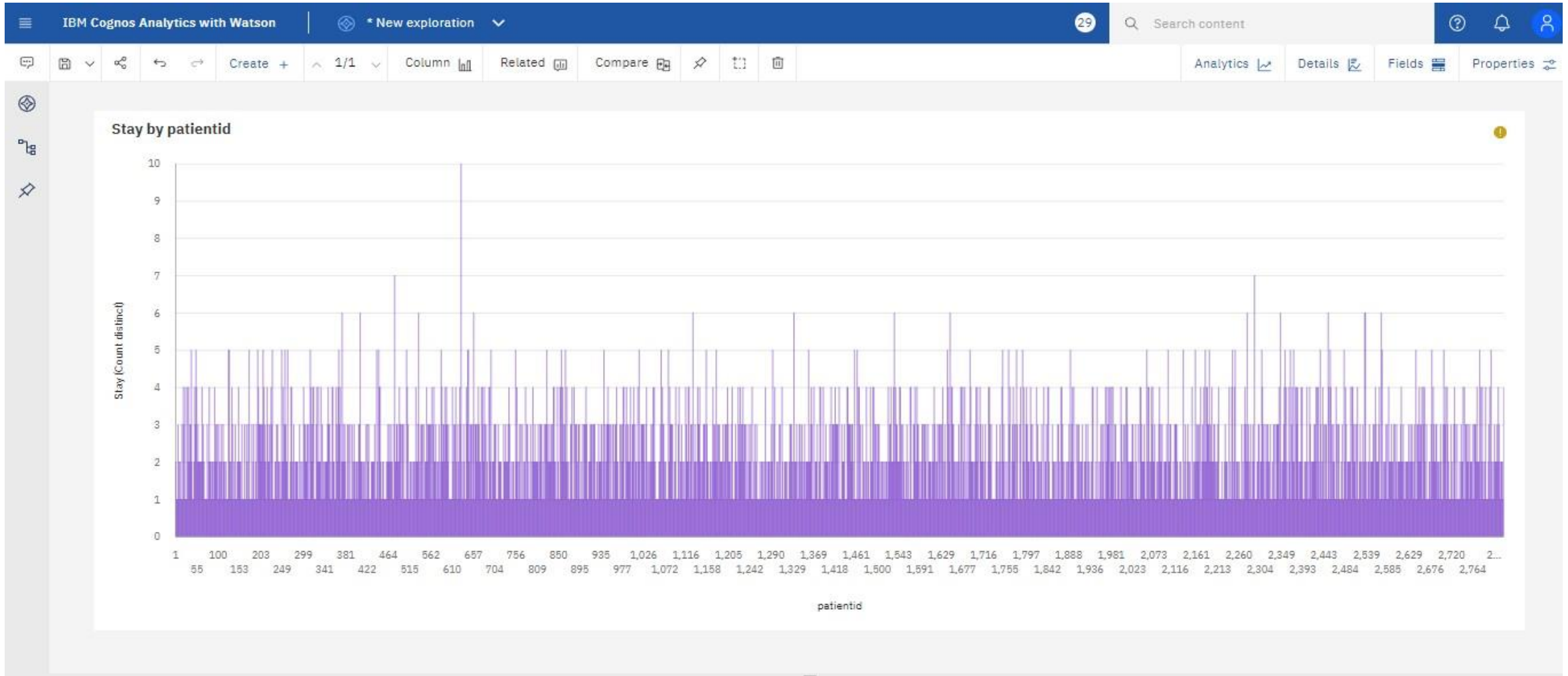
## 1. NUMBER OF PATIENTS BY WARD TYPE



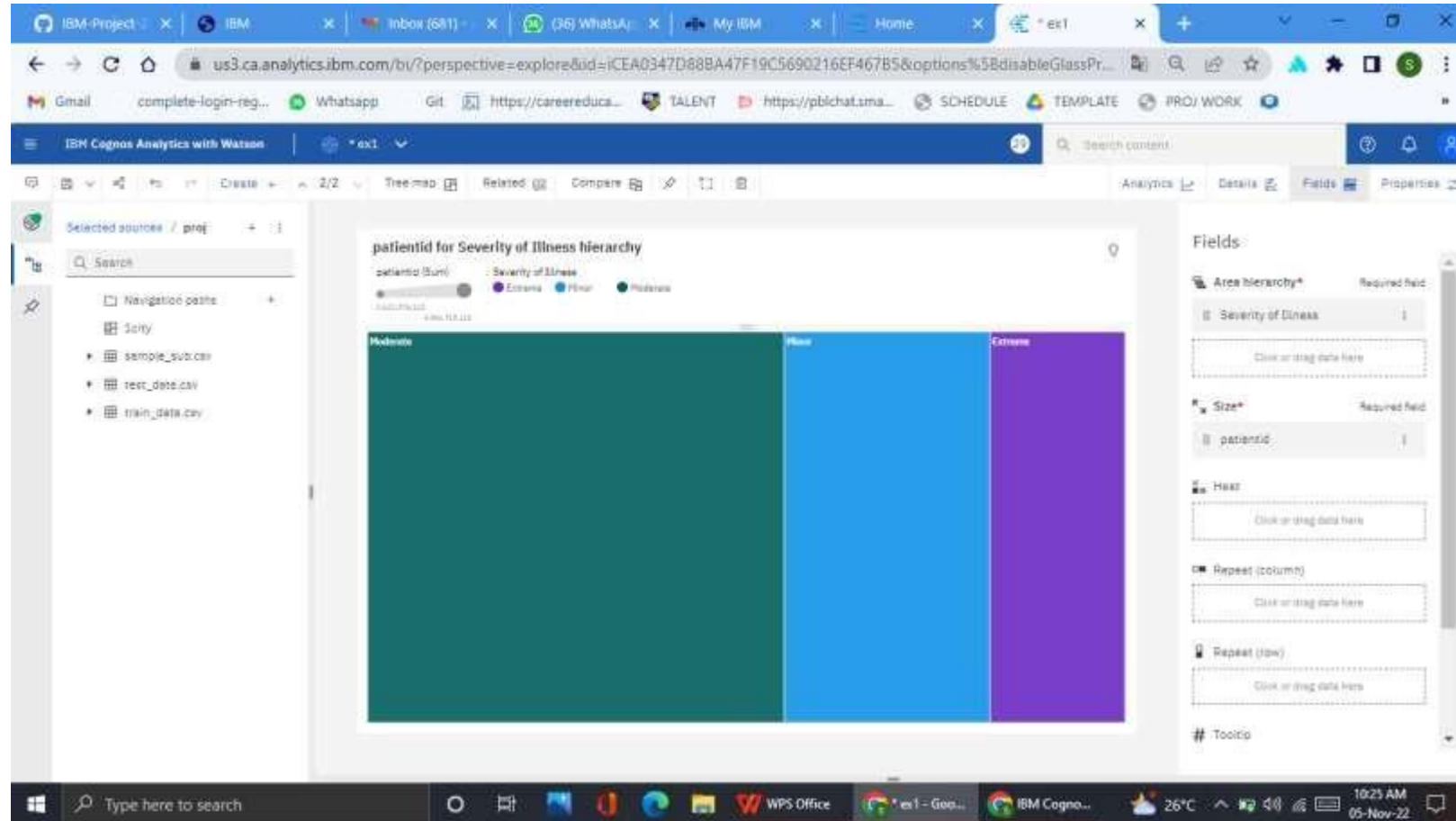
# AGE WISE PATIENTS WITH DEPARTMENT AND SEVERITY OF ILLNESS



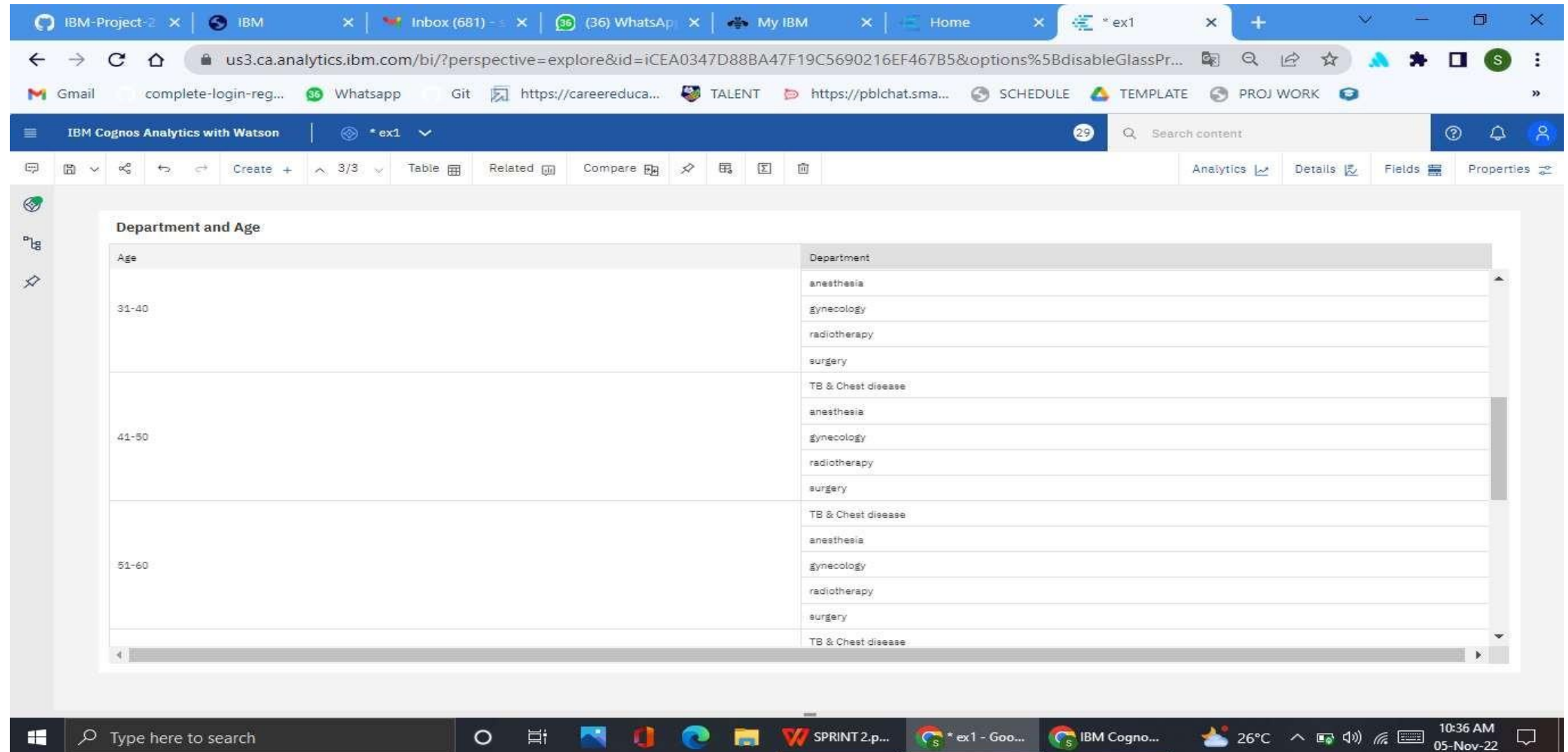
# STAY BY PATIENT ID



# SEVERITY OF ILLNESS BY PATIENT-ID USING TREE MAP



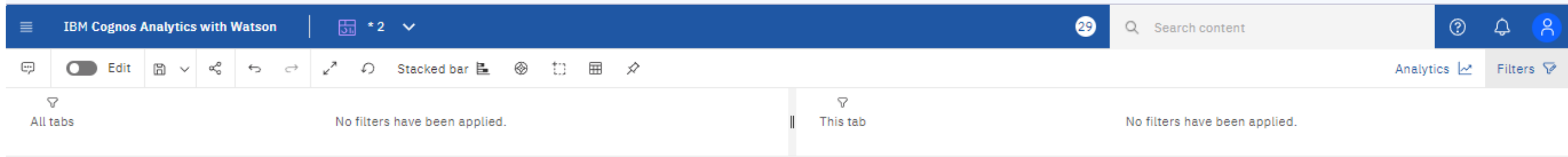
# AGE AND DEPARTMENT WISE PATIENT USING TABLE



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...](https://us3.ca.analytics.ibm.com/bi/?perspective=explore&id=iCEA0347D88BA47F19C5690216EF467B5&options%5BdisableGlassPr...). The application title is "IBM Cognos Analytics with Watson". The table is titled "Department and Age" and is displayed in a pivot table format. The columns are "Age" and "Department". The "Age" column has three categories: "31-40", "41-50", and "51-60". The "Department" column lists various medical departments: "anesthesia", "gynecology", "radiotherapy", "surgery", and "TB & Chest disease".

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

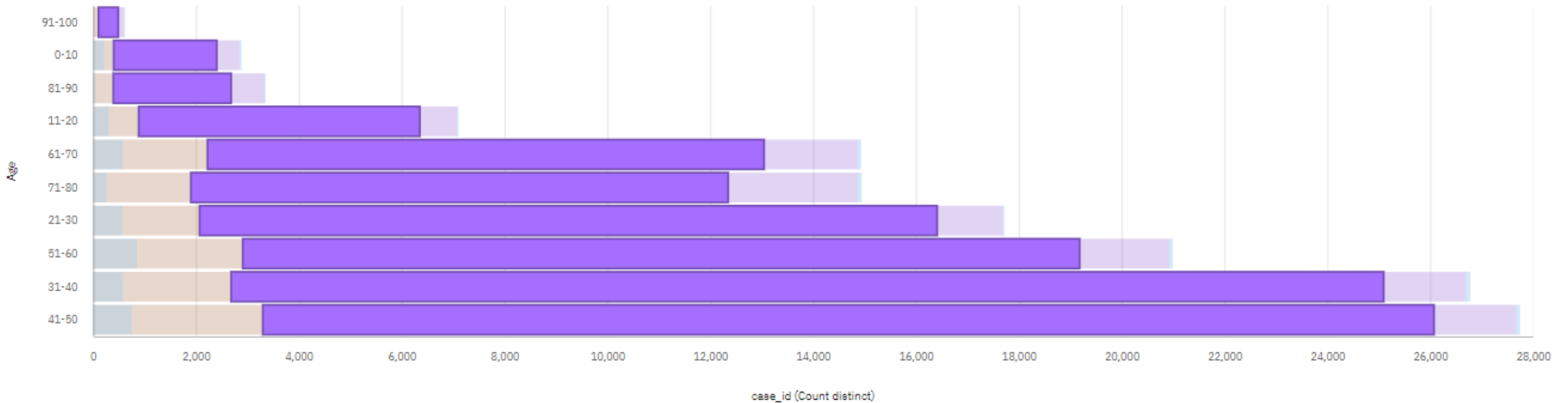
# CASE ID BY AGE COLOURED BY DEPARTMENT



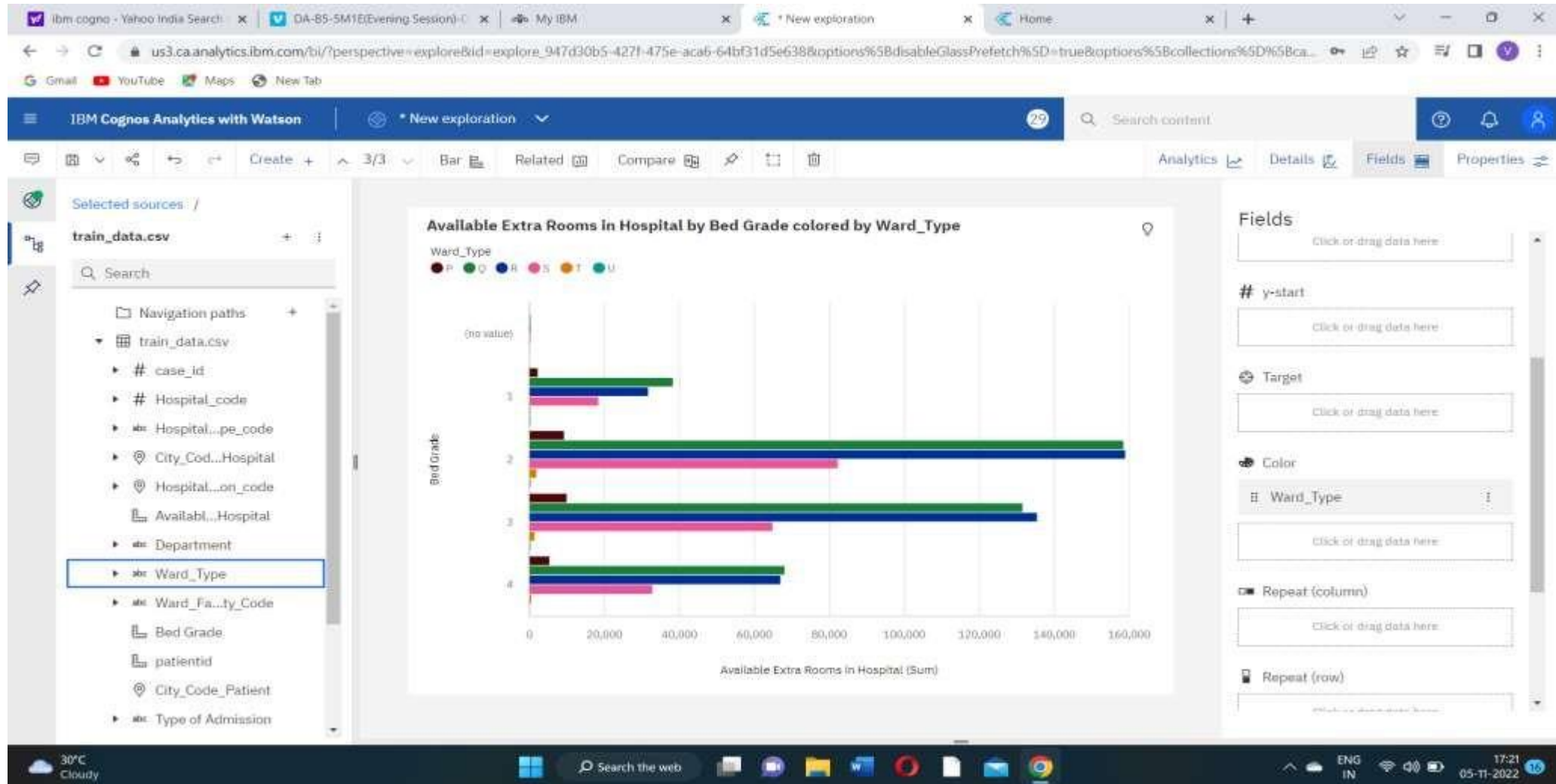
case\_id by Age colored by Department

Department

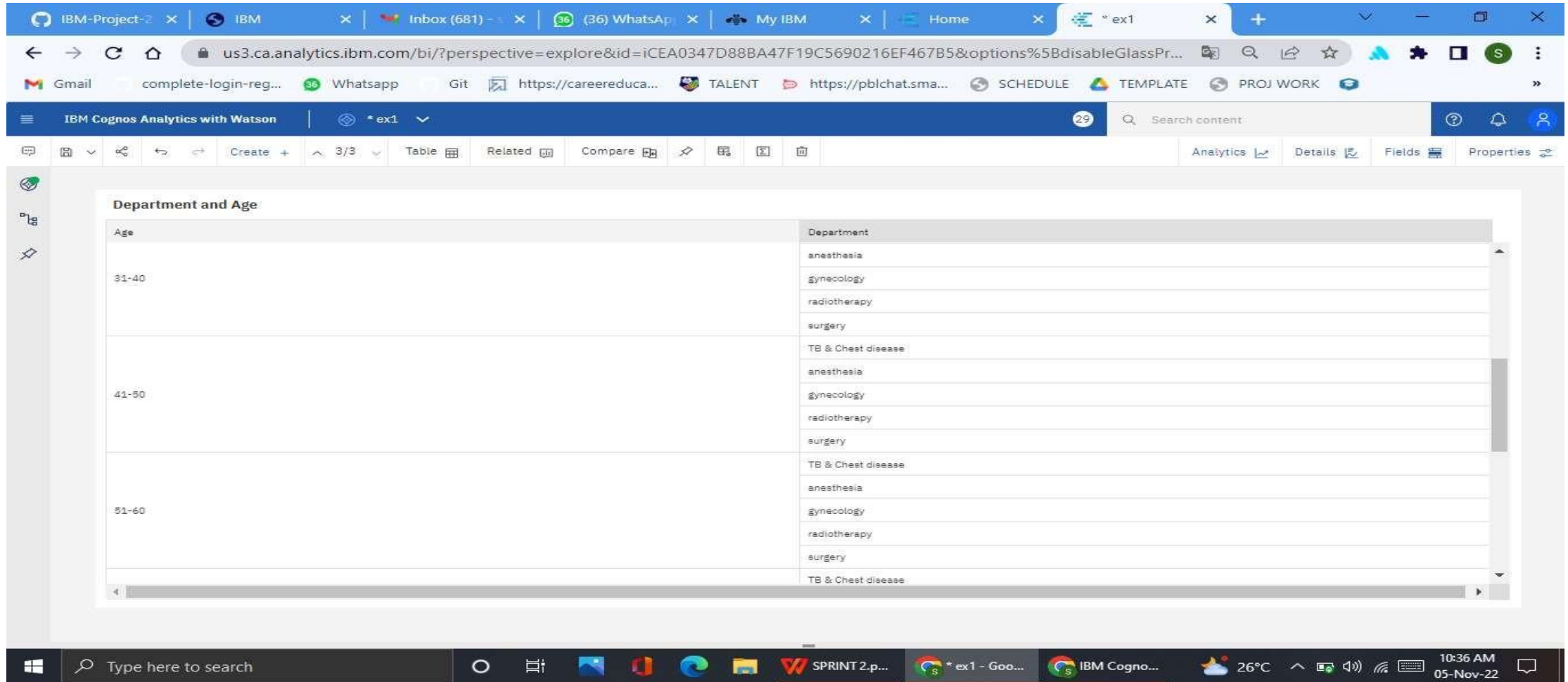
- TB & Chest disease
- anesthesia
- gynecology
- radiotherapy
- surgery



# AVAILABILITY OF EXTRA BEDS IN HOSPITAL BY BED GRADE



# AGE AND DEPARTMENT WISE PATIENT USING TABLE

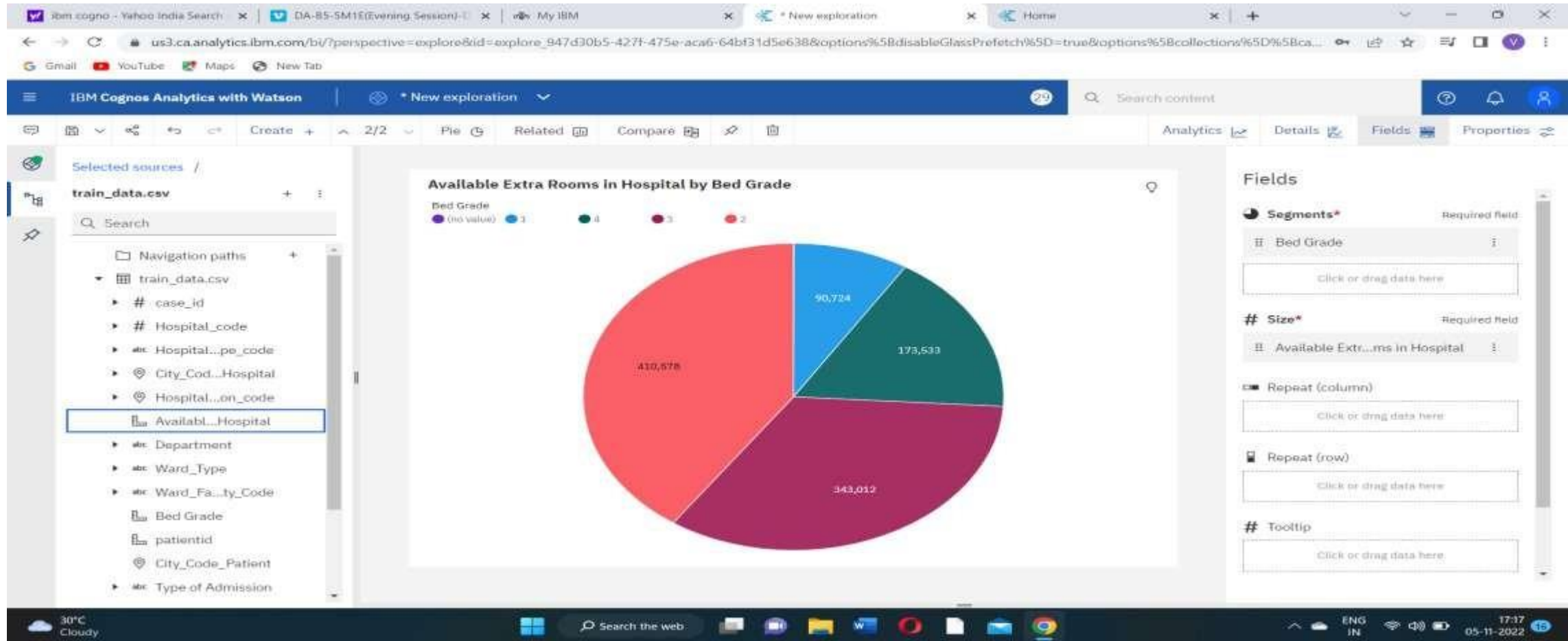


The screenshot displays the IBM Cognos Analytics interface. The browser address bar shows the URL: [us3.ca.analytics.ibm.com/bi/?perspective=explore&id=iCEA0347D88BA47F19C5690216EF467B5&options%5BdisableGlassPr...](https://us3.ca.analytics.ibm.com/bi/?perspective=explore&id=iCEA0347D88BA47F19C5690216EF467B5&options%5BdisableGlassPr...). The application title is "IBM Cognos Analytics with Watson". The table is titled "Department and Age" and is displayed in a pivot table format. The table has two columns: "Age" and "Department". The "Age" column is divided into three sections: "31-40", "41-50", and "51-60". The "Department" column lists various medical departments: "anesthesia", "gynecology", "radiotherapy", "surgery", and "TB & Chest disease".

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

On the right, the 'Fields' pane shows the table structure with columns, rows, and values. The 'Columns' section lists 'Bed Grade' and 'Available Extra Rooms in Hospital'. The 'Rows' section lists 'Ward\_Type'. The 'Values' section lists 'Ward\_Type' as a required field. The 'Local filters' section is empty.