

# PROJECT DEVELOPMENT PHASE

## SPRINT DELIVERY -2

**TEAM ID :PNT2022TMID29950**

**BATCH NO : B10-4A6E**

**PROJECT : Analytics for Hospitals Health-Care Data**

**DATE :29 OCT 2022**

# ANALYTICS FOR HOSPITAL HEALTH-CARE DATA

## PROJECT CONTRIBUTORS

CHIDANANDA M  
VIGNESH A  
DINESH S  
SRINATH S

TEAM ID:PNT2022TMID29950



# Project Development Phase

## Sprint-1:

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

## Sprint-3:

- ✓ Dashboard Creation

## Sprint-2:

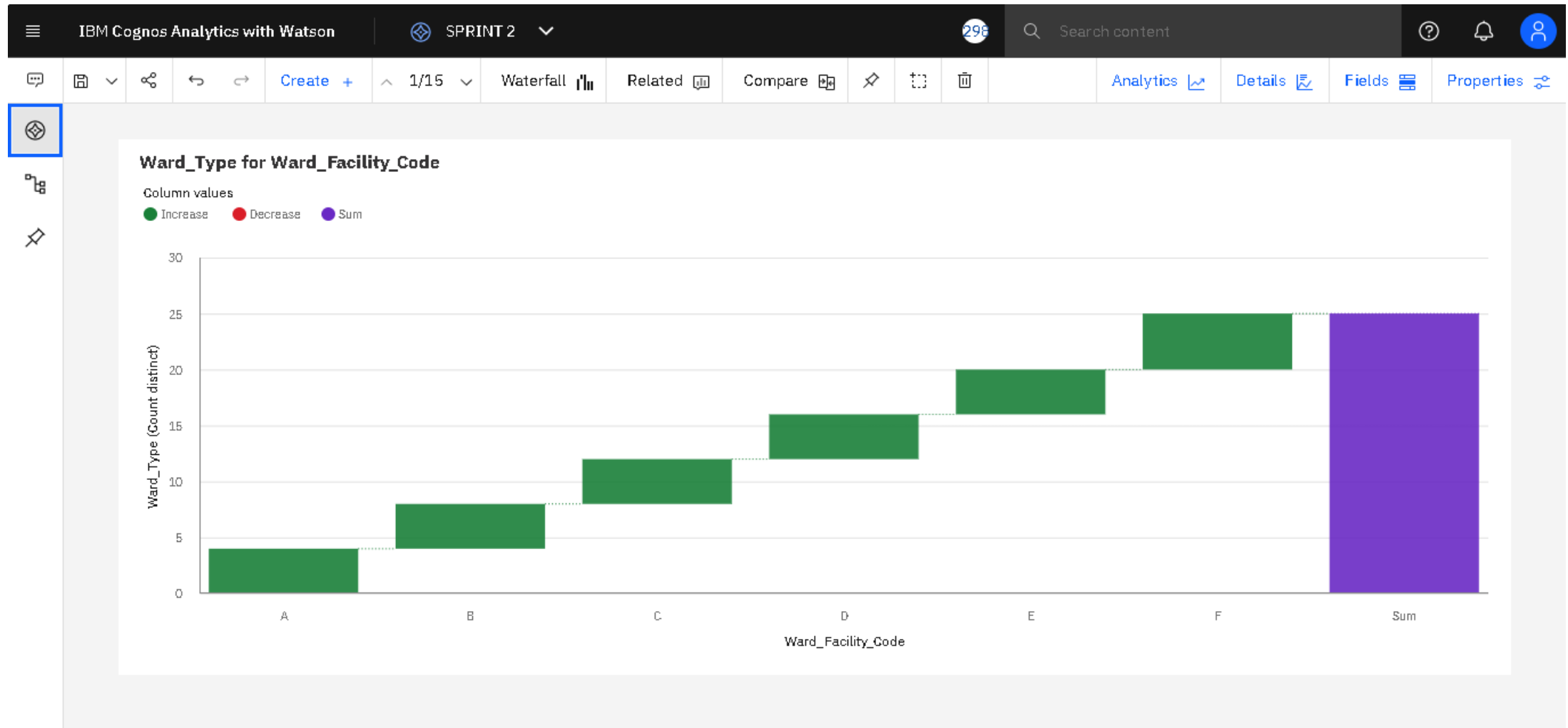
- ✓ Data Exploration
- ✓ Data Visualization

## Sprint-4:

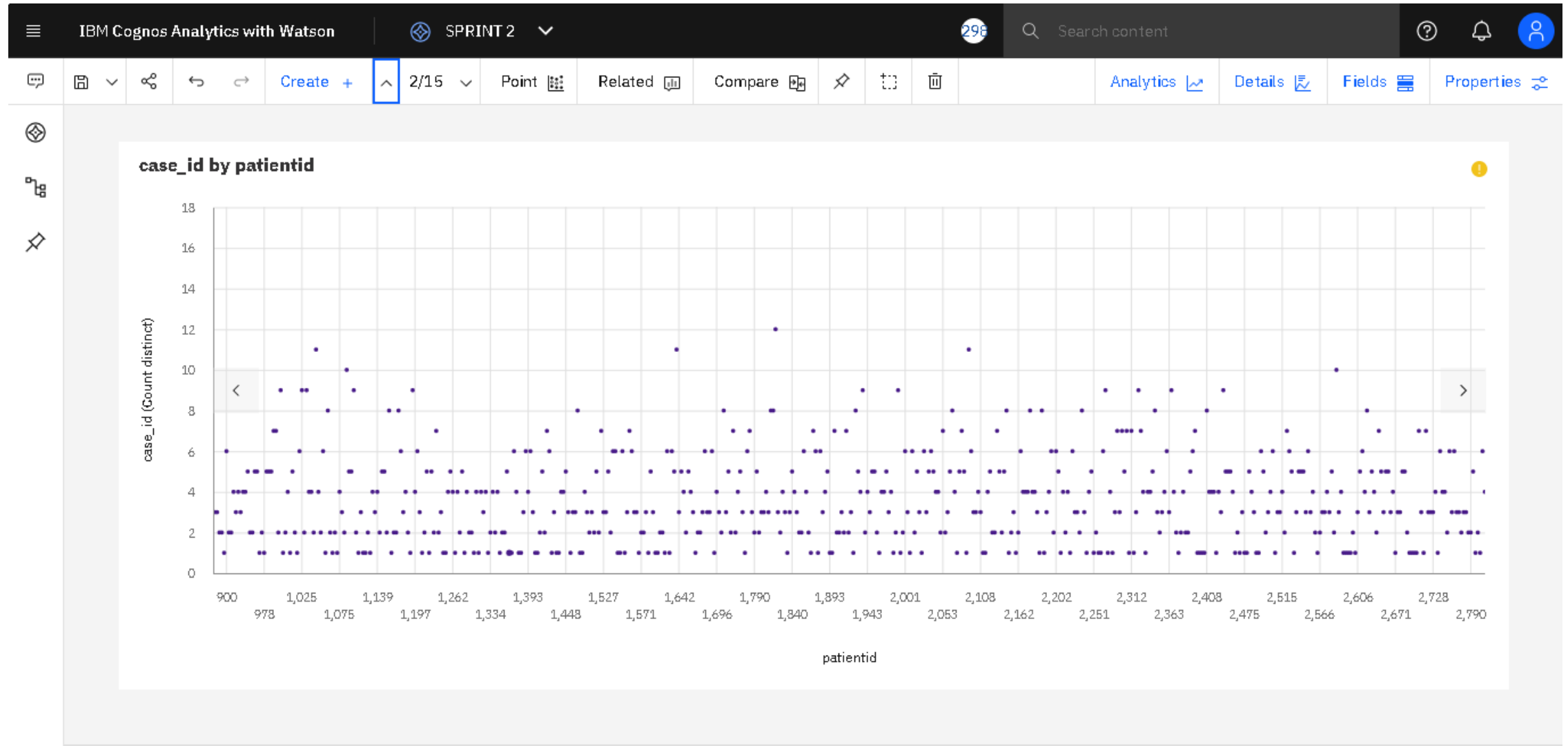
- ✓ Report Creation
- ✓ Story Creation

# DATA EXPLORATION

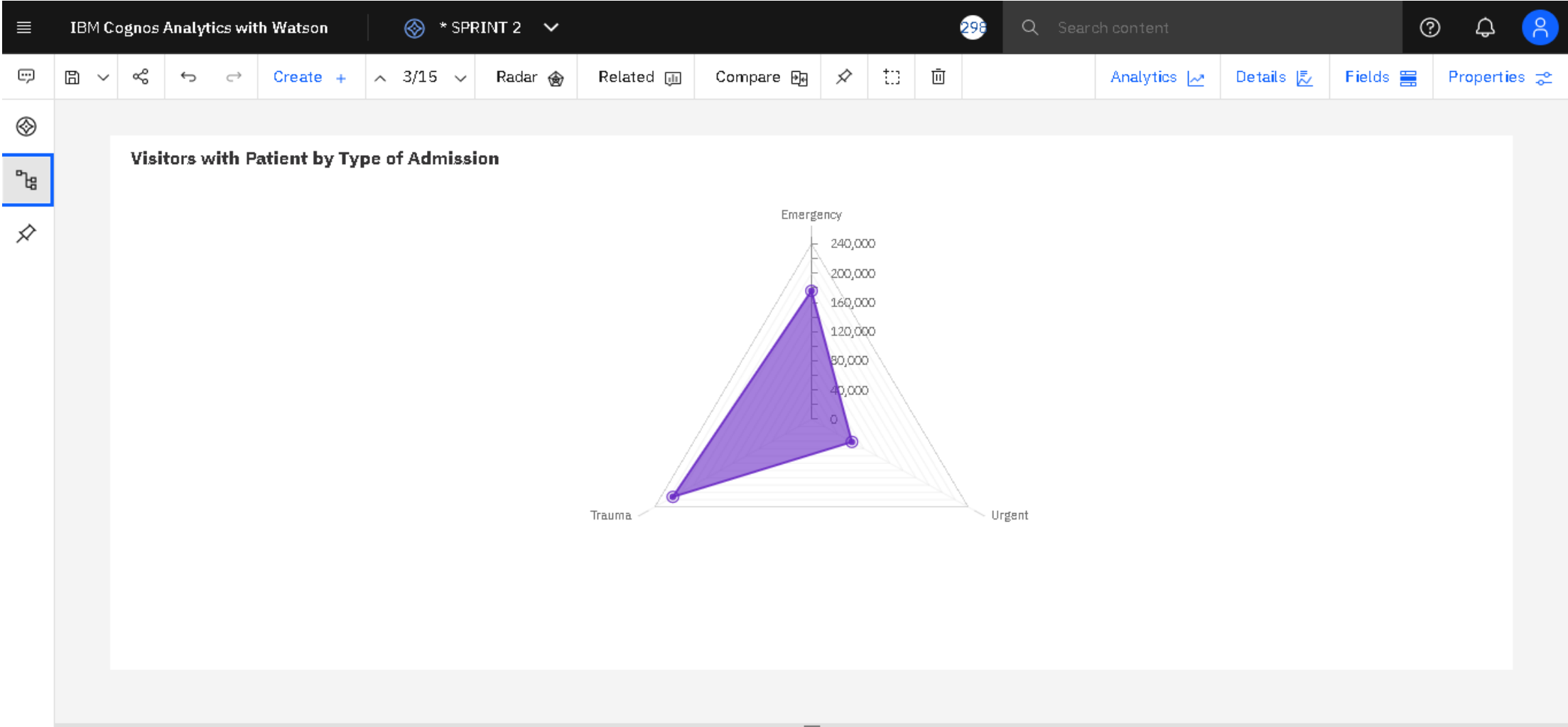
Ward\_Type for Ward\_Facility\_Code:



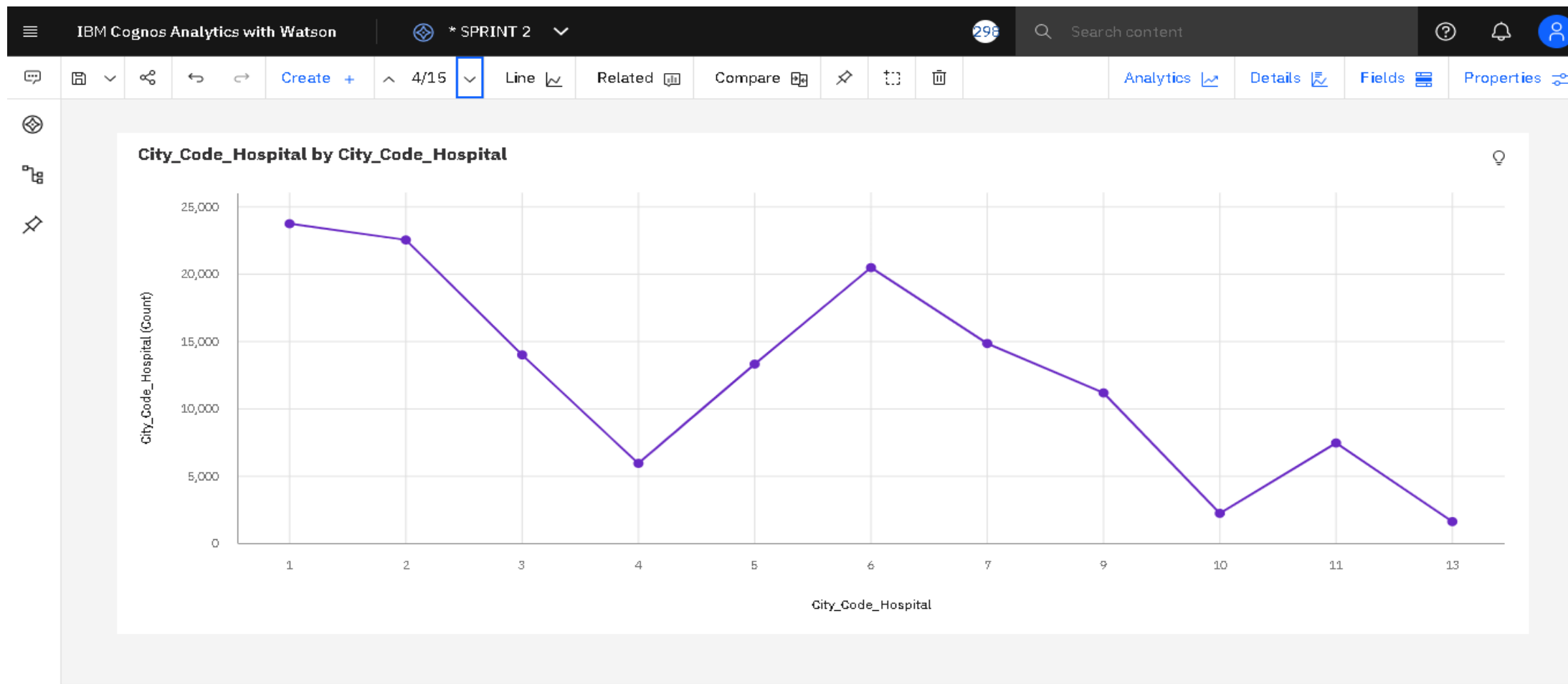
# Case\_id by Patient id:



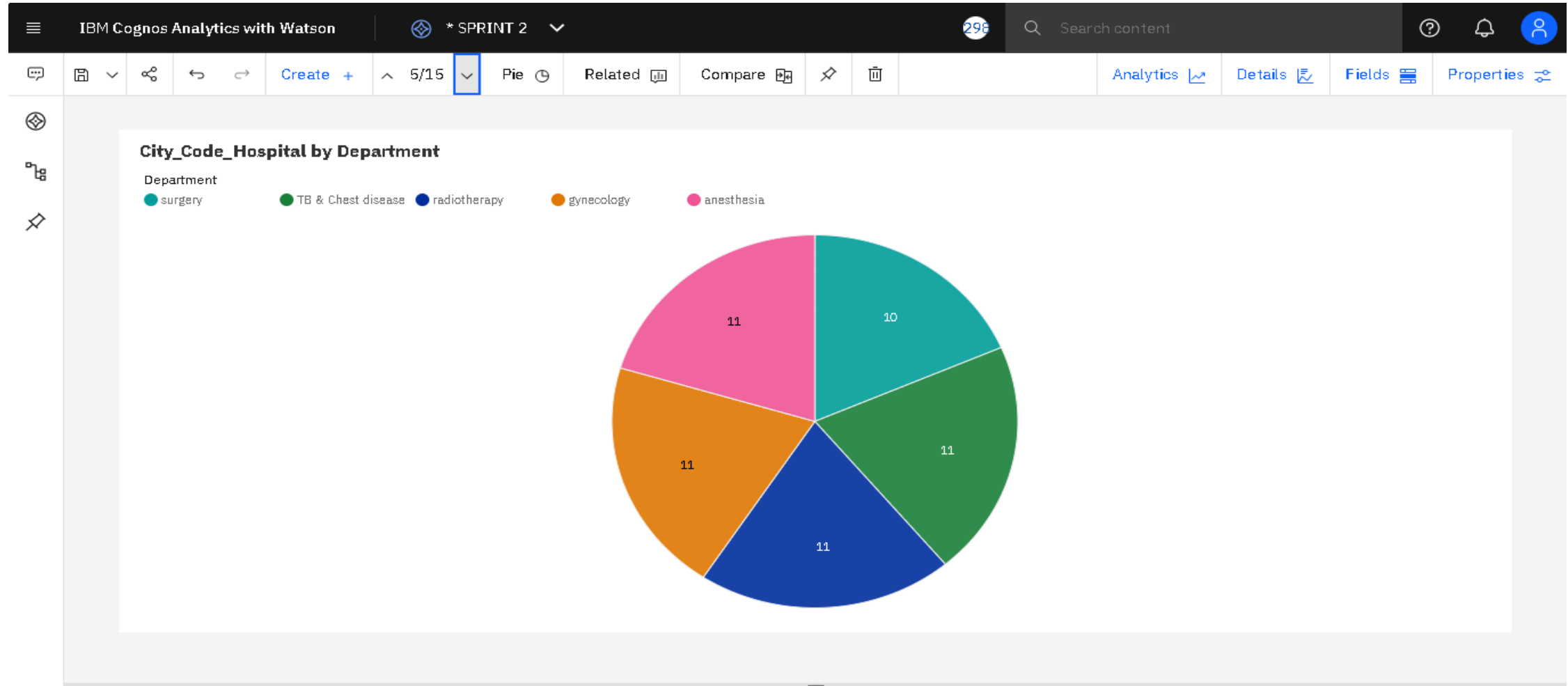
# Visitors with Patient by Type of Admission:



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



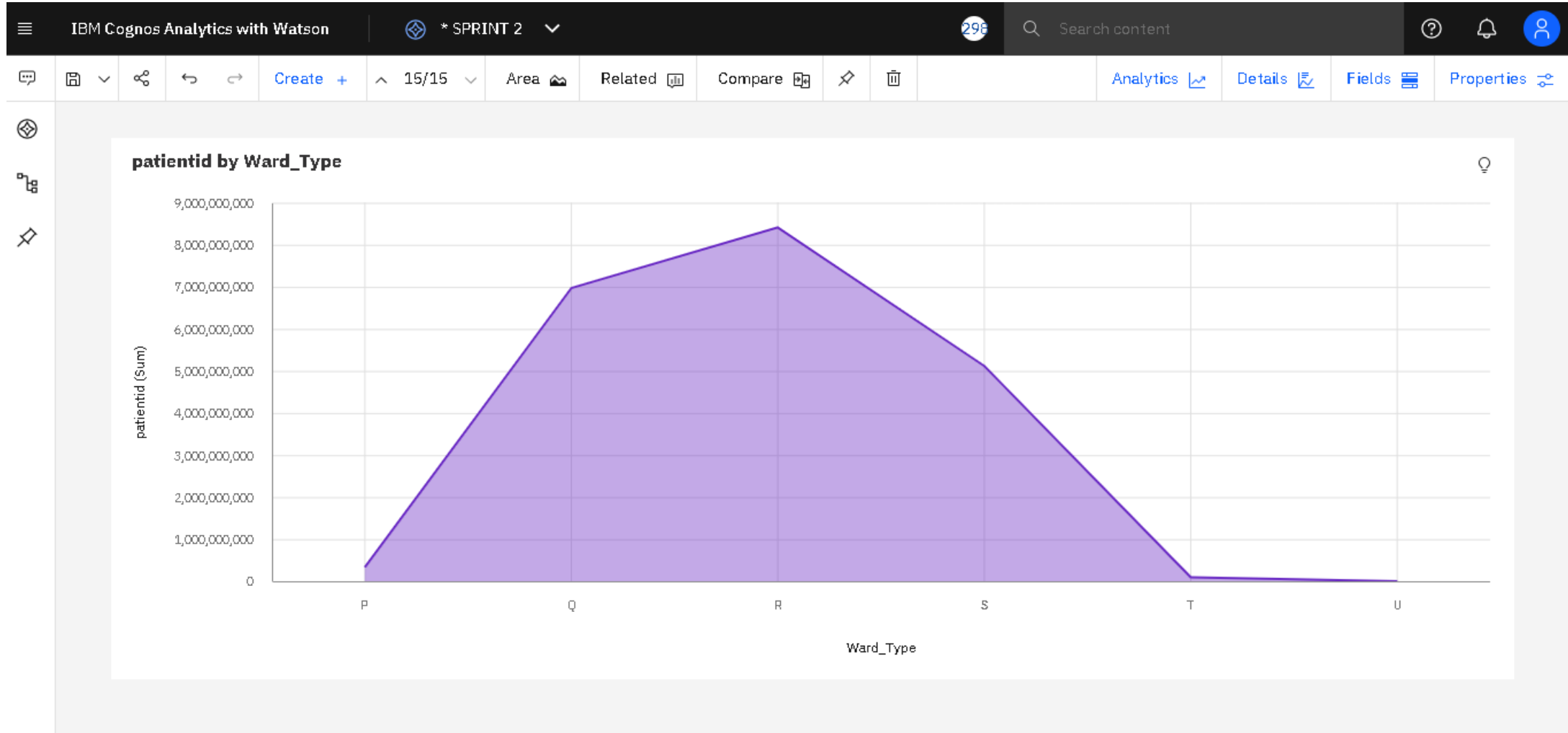
# City\_Code\_Hospital by Department:



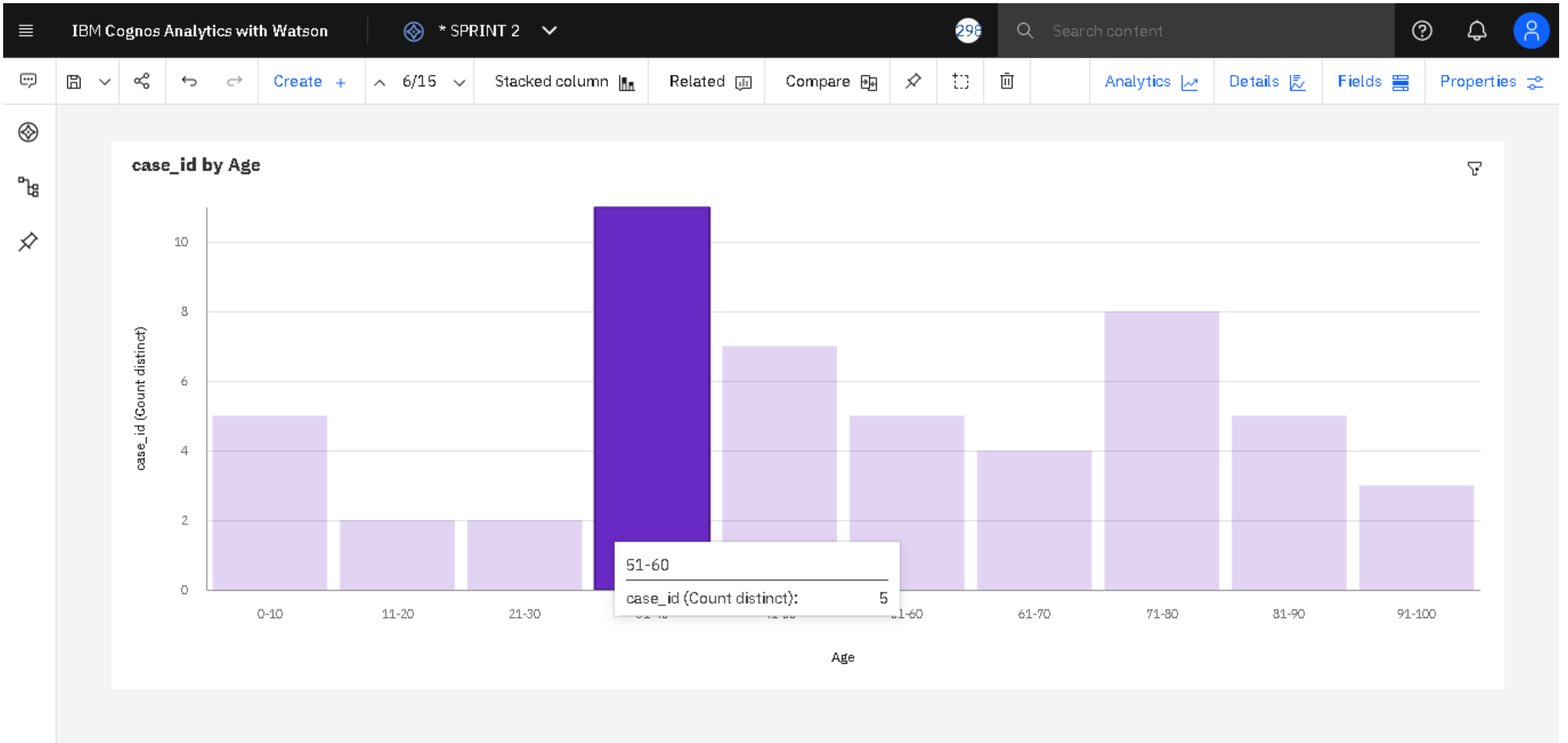


# DATA VISUALIZATIONS

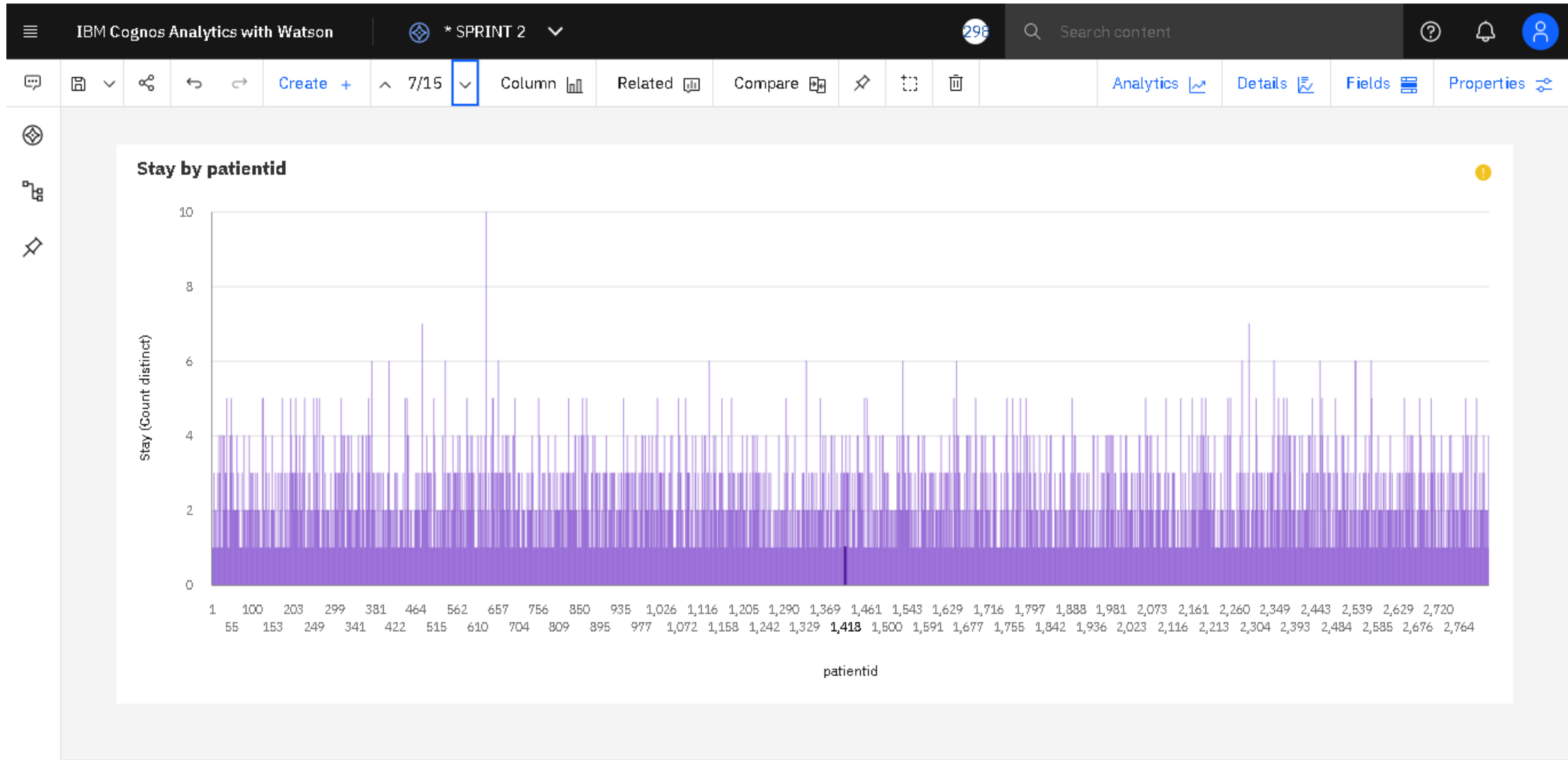
## 1.NUMBER OF PATIENTS BY WARD TYPE



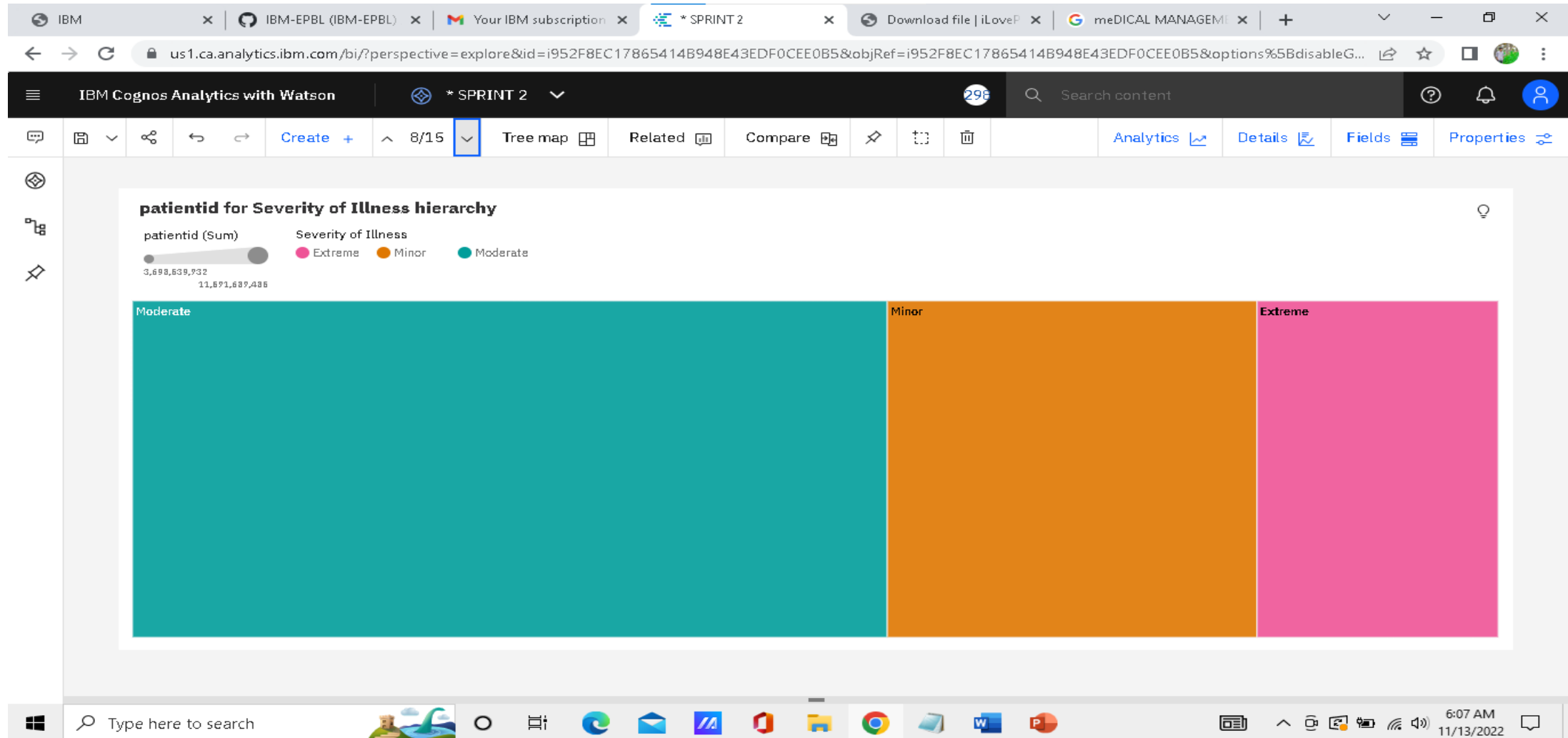
# AGE WISE PATIENTS WITH DEPARTMENT AND SEVERITY OF ILLNESS



# STAY BY PATIENT ID



# SEVERITY OF ILLNESS BY PATIENT-ID USING TREE MAP



# AGE AND DEPARTMENT WISE PATIENT USING TABLE

IBM Cognos Analytics with Watson

\* SPRINT 2

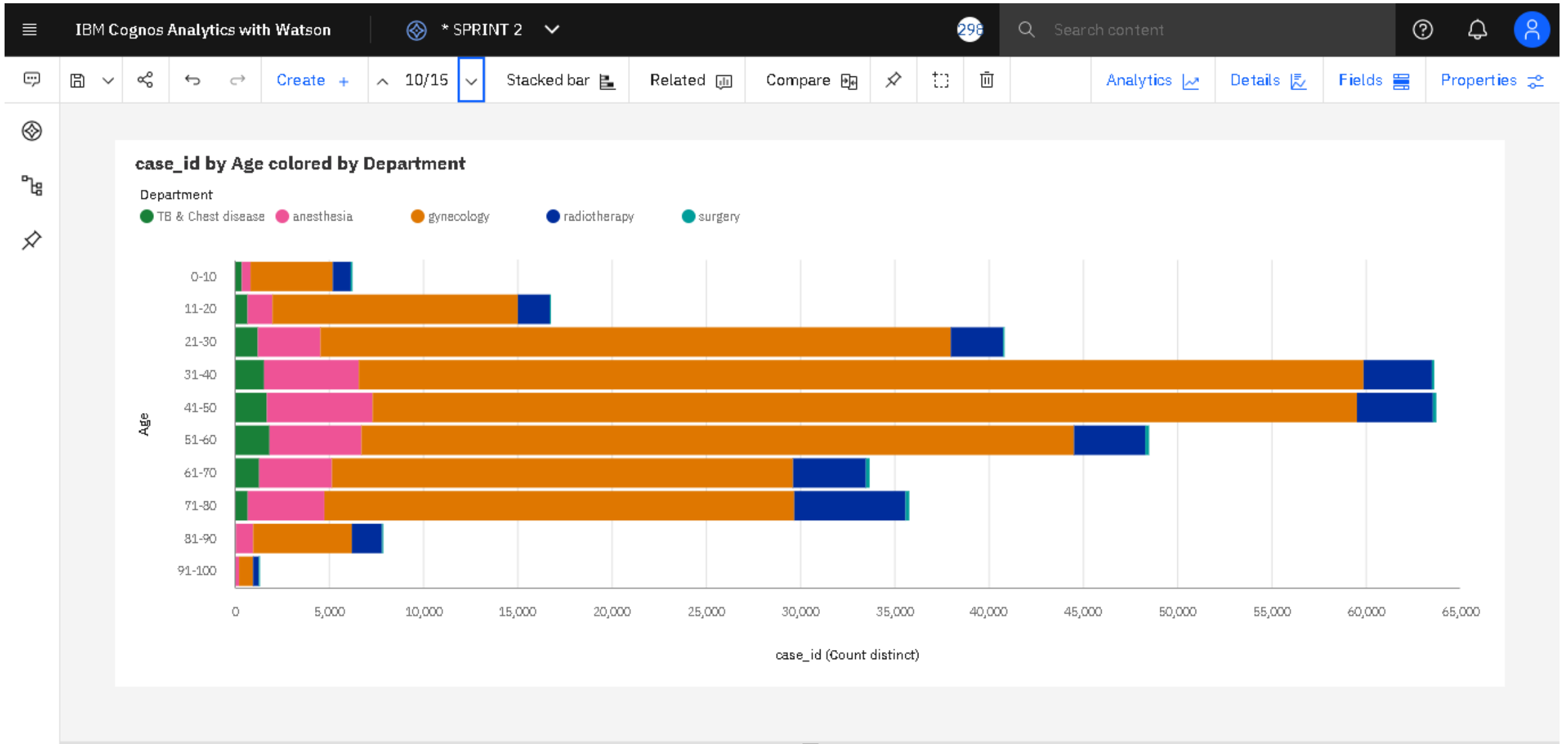
Search content

Age and Department

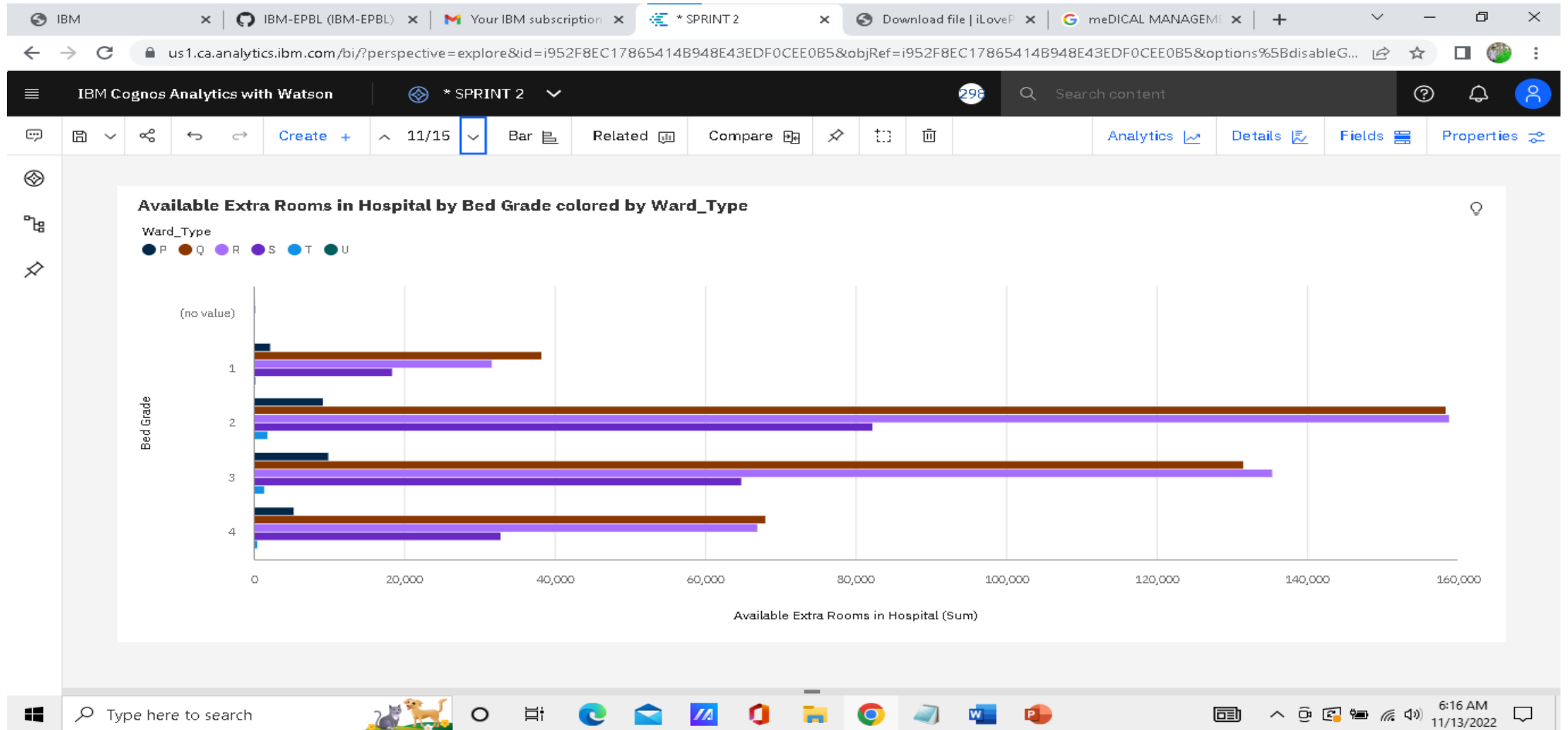
Age	Department
31-40	anesthesia
	gynecology
	radiotherapy
	surgery
41-50	TB & Chest disease
	anesthesia
	gynecology
	radiotherapy
51-60	surgery
	TB & Chest disease
	anesthesia
	gynecology
	radiotherapy

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# CASE ID BY AGE COLOURED BY DEPARTMENT



# AVAILABILITY OF EXTRA BEDS IN HOSPITAL BY BED GRADE



# AGE AND DEPARTMENT WISE PATIENT USING TABLE

IBM Cognos Analytics with Watson | \* SPRINT 2 | Search content

Create + | 12/15 | Table | Related | Compare | Analytics | Details | Fields | Properties

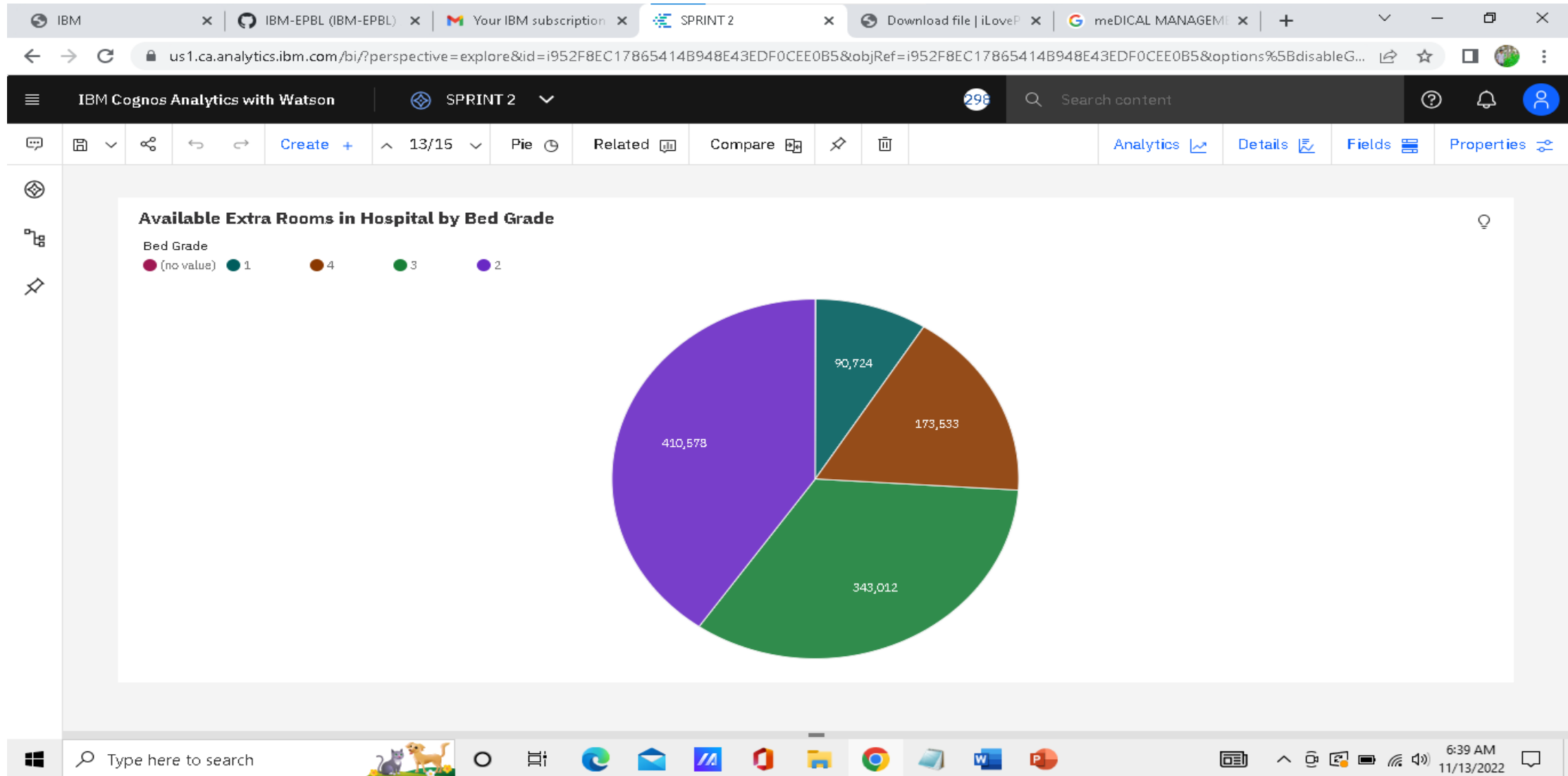
### Age and Department

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

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# AVAILABILITY OF EXTRA ROOMS BY BED GRADE



# WARD TYPE FOR BED GRADE AND AVAILABLE EXTRA ROOMS

IBM Cognos Analytics with Watson | SPRINT 2 | 298 | Search content

Analytics | Details | Fields | Properties

Create + ^ 14/15 ▾ Crosstab | Related | Compare | | | | | | | |

### Ward\_Type for Bed Grade and Available Extra Rooms in Hospital

Ward_Type	1	2	3	4	Summary
0	(no value)	3	2	1	3
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

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