Project Development Phase

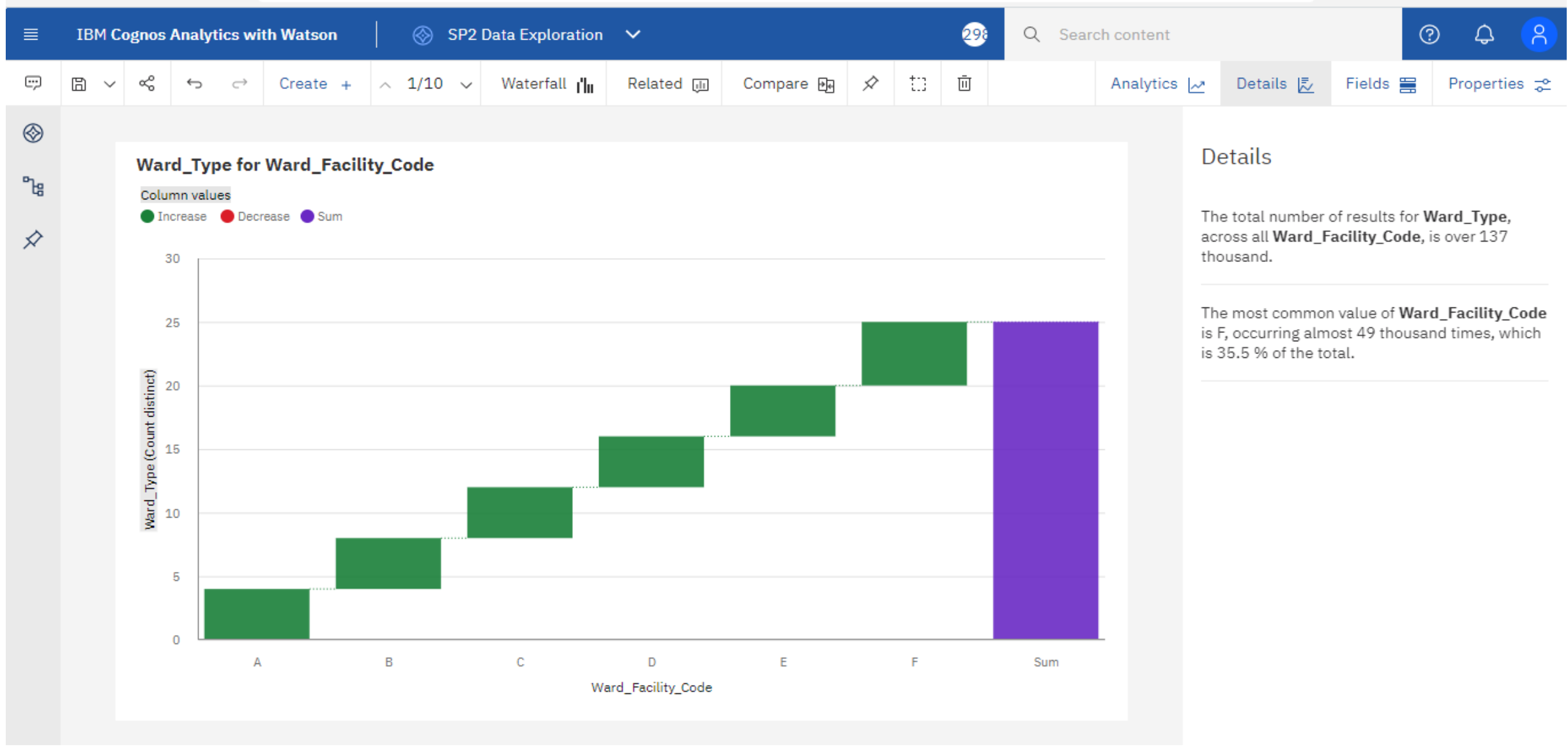# Delivery of Sprint-2

Date:	08.11.2022
Team ID :	PNT2022TMID23616
Project Name :	Analytics for Hospital Health-Care Data

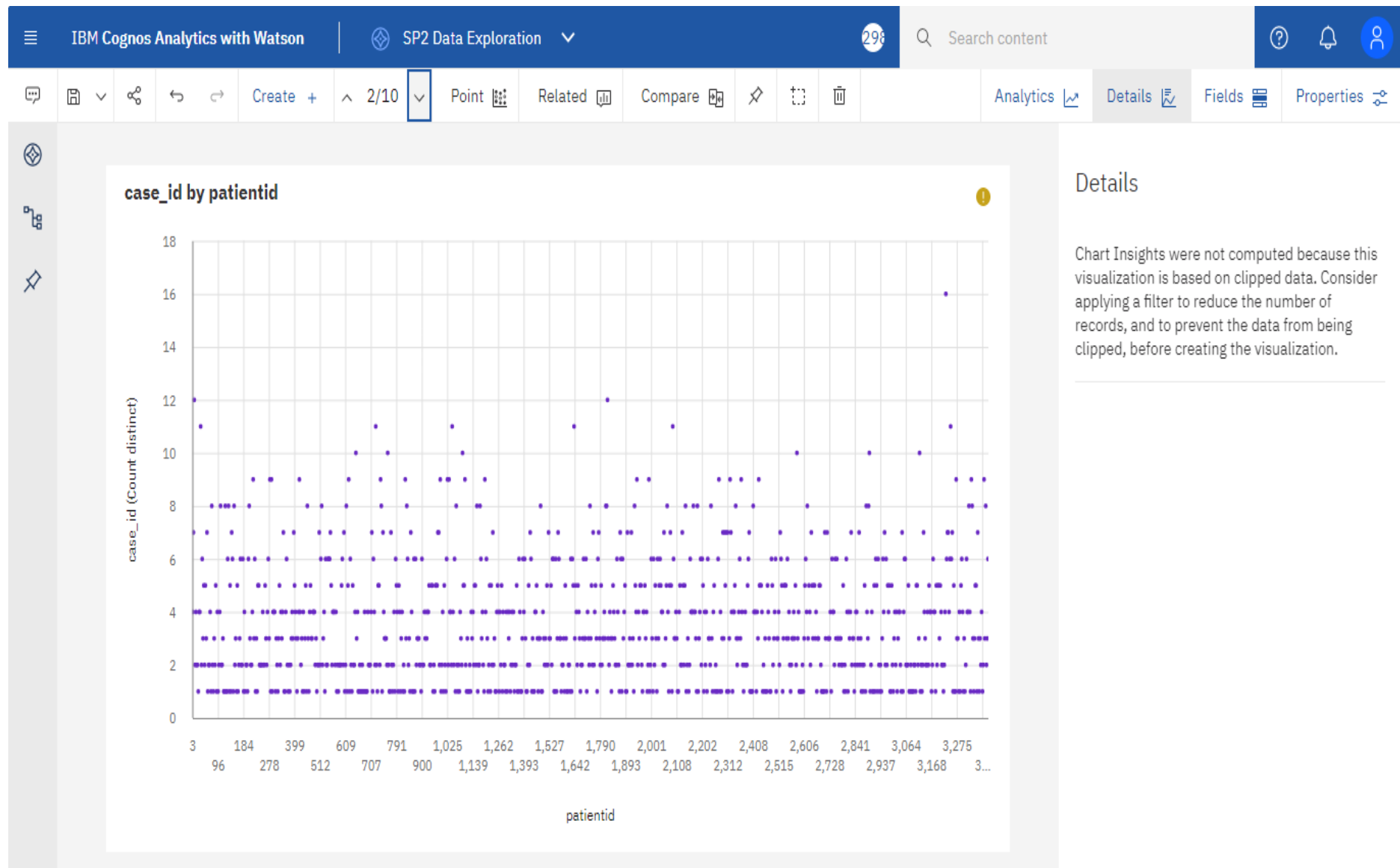## A) Data Explorations:

1. Ward_Type for Ward_Facility_Code

2. case_id by patient_id

3. City_Code_Hospital by City_Code_Hospital

4. City_Code_Hospital by Department

5. Department compared to Hospital_region_code

6. Ward_Facility_Code for City_Code_Patient hierarchy

7. Ward_Type colored by Department sized by Department

8. Type of Admission by Department colored by Department

9. Visitors with Patient by Type of Admission

10. Hospital_region_code for Hospital_region_code regions

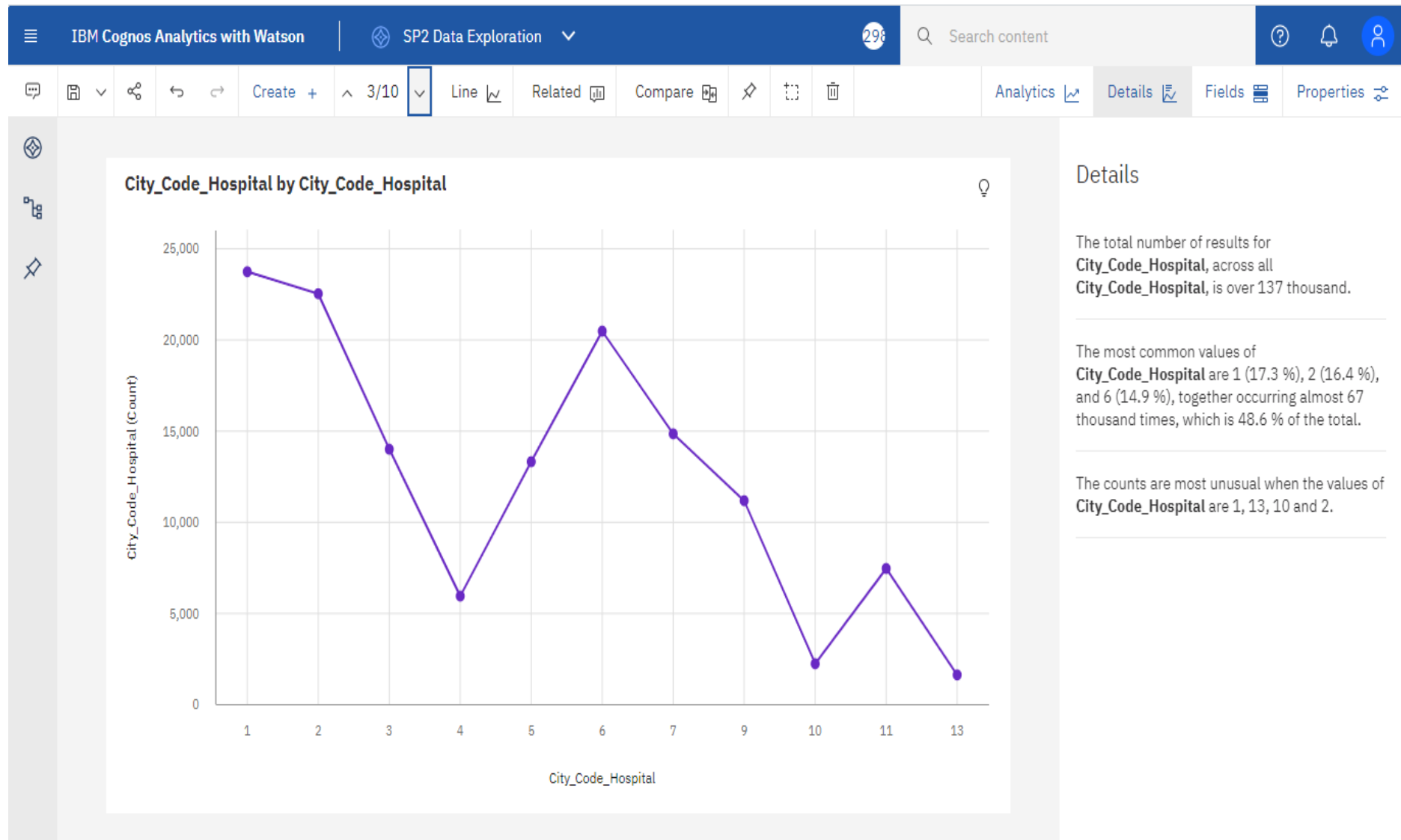# 1.Ward_Type for Ward_Facility_Code

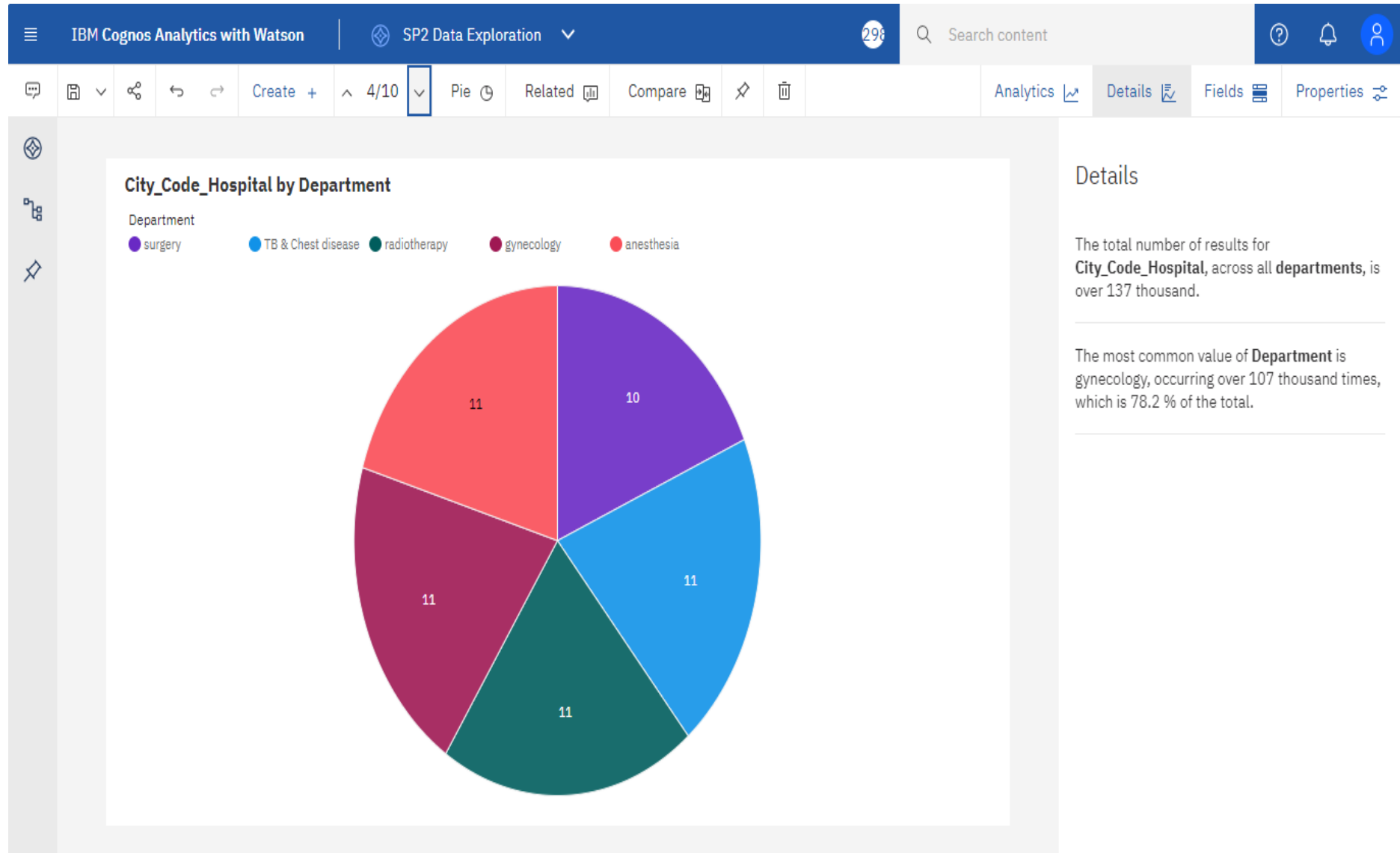# 2. case_id by patient_id

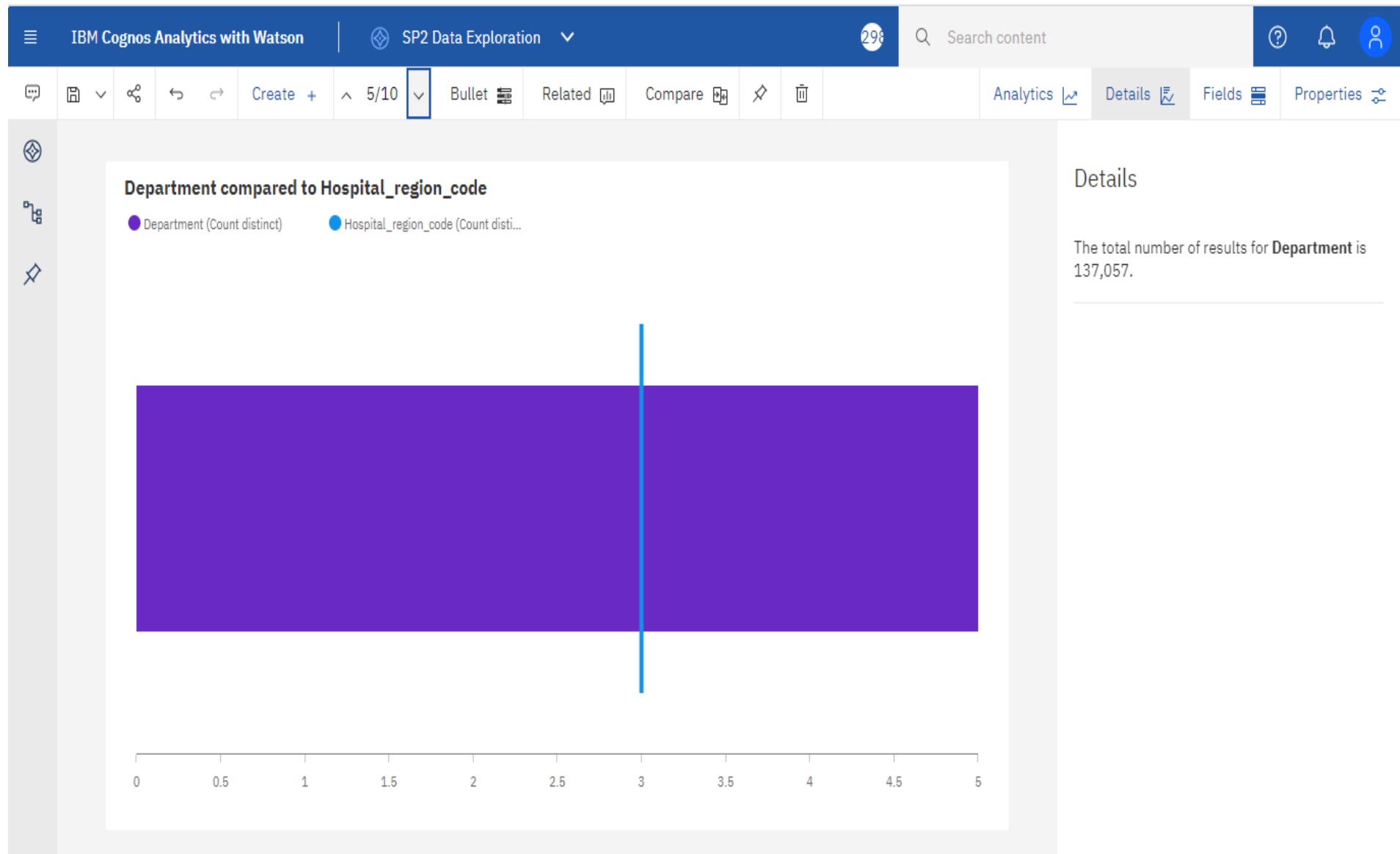# 3. City_Code_Hospital by City_Code_Hospital

4. City_Code_Hospital by Department

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Create +   ⌃ 4/10 ⌄   Pie ⏱   Related 📊   Compare 📑   📌 🗑   Analytics 📈   Details 📉   Fields ▤   Properties ⚙

City_Code_Hospital by Department

Department
- 🟣 surgery
- 🔵 TB & Chest disease
- 🟢 radiotherapy
- 🟣 gynecology
- 🔴 anesthesia

Details

The total number of results for **City_Code_Hospital**, across all **departments**, is over 137 thousand.

The most common value of **Department** is gynecology, occurring over 107 thousand times, which is 78.2 % of the total.
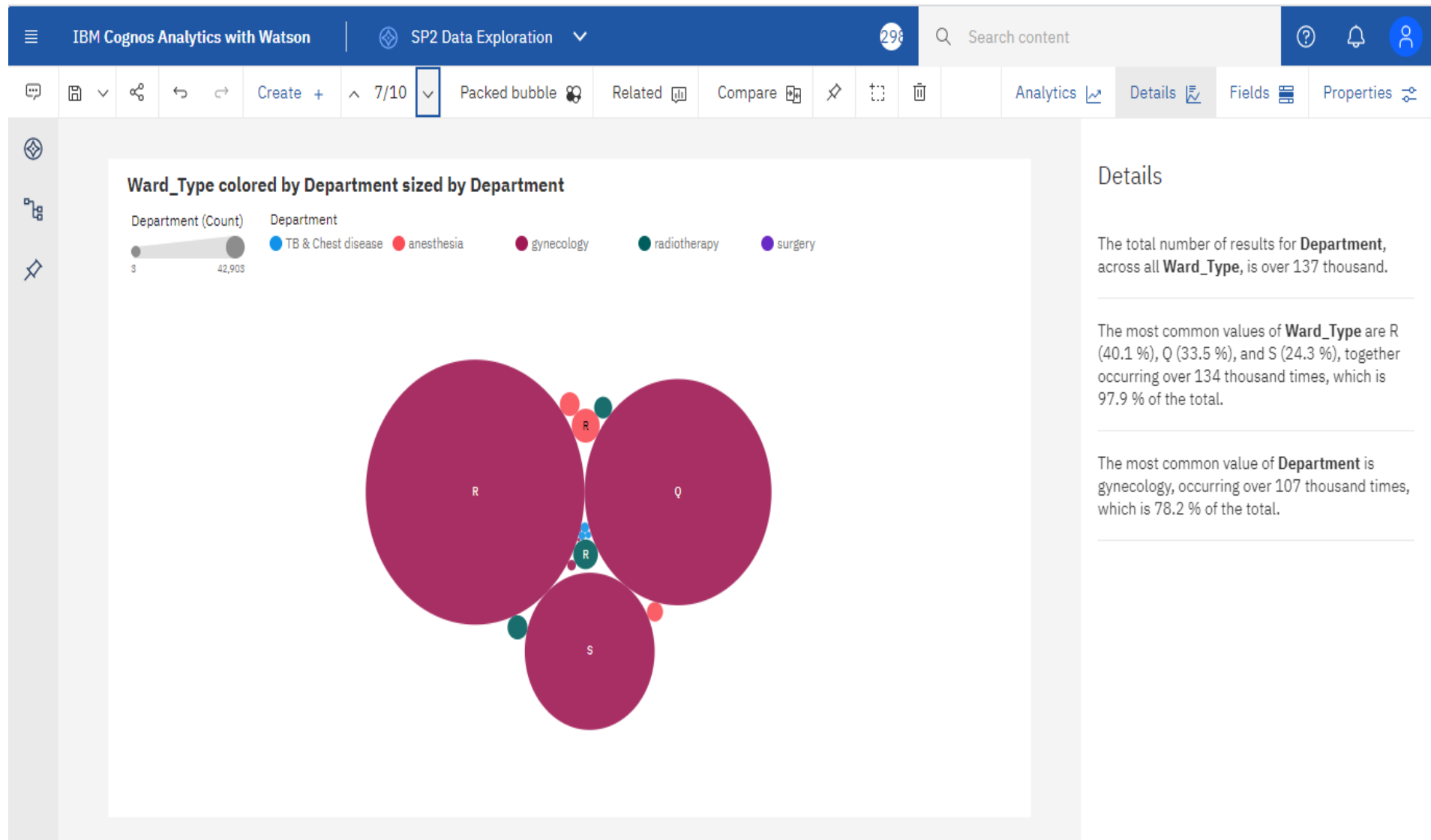
5. Department compared to Hospital_region_code
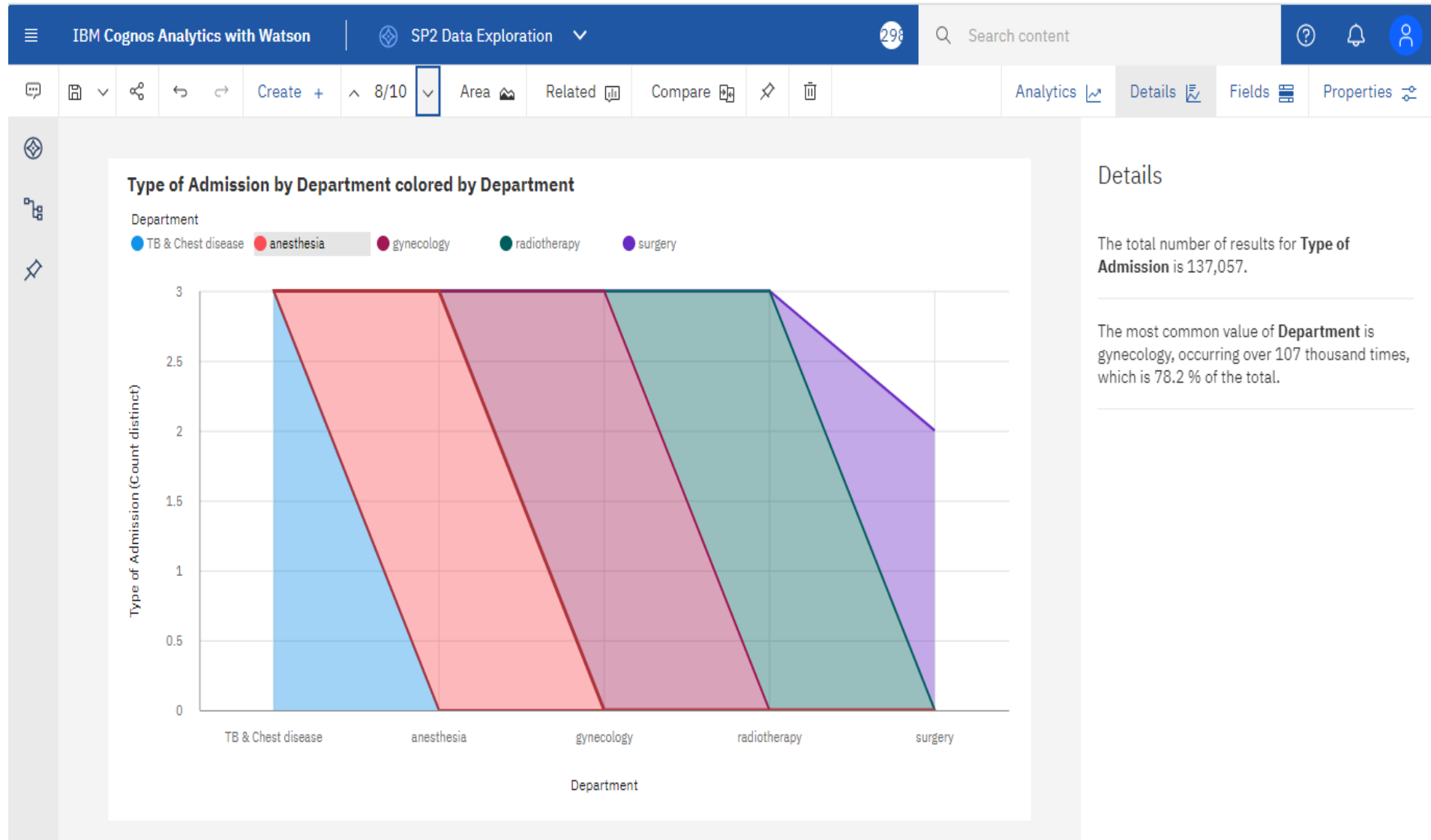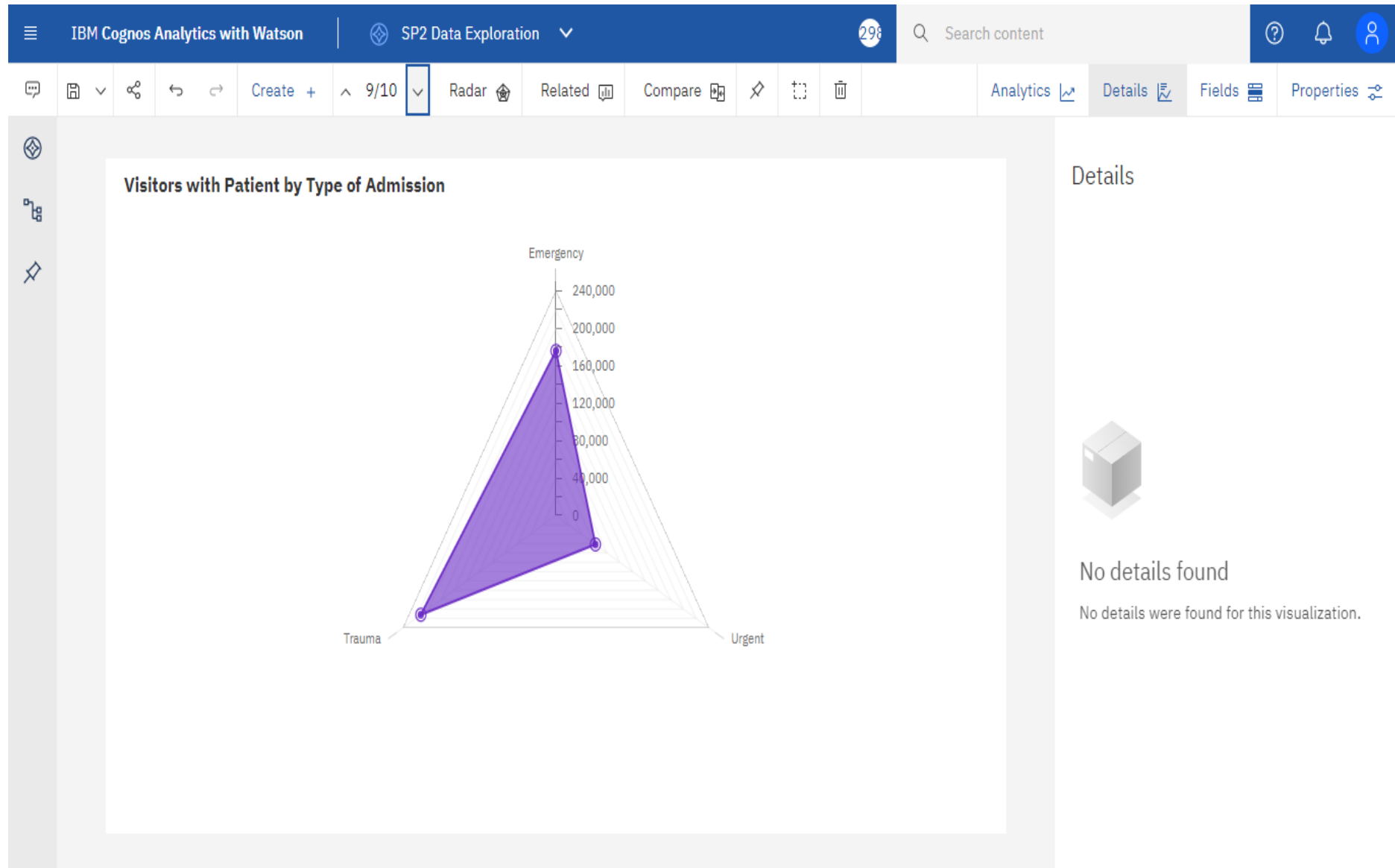
6. Ward_Facility_Code for City_Code_Patient hierarchy

7. Ward_Type colored by Department sized by Department

8. Type of Admission by Department colored by Department

9. Visitors with Patient by Type of Admission

10. Hospital_region_code for Hospital_region_code regions

B) <u>Data Visualizations</u>

1. Number Of Patients By Ward Types

2. Dashboard To Show Number Of Patients

3. Age Wise Patients With Department And Severity Filters

4. Dashboard With Hierarchy Bubble And Radial Visuals

5. Dashboard Showing Pie, Stacked Bar, Waterfall And Pie Charts

1.Number Of Patients By Ward Types
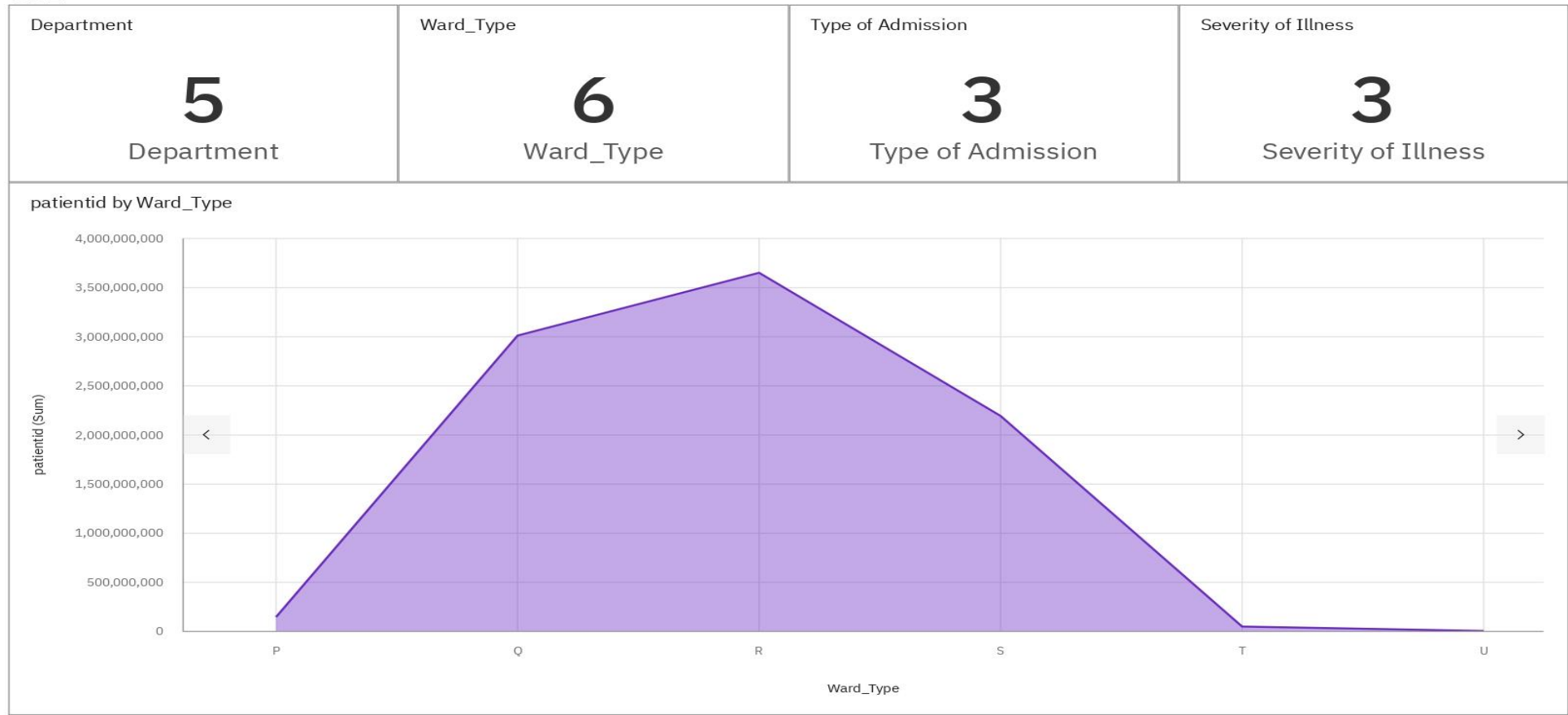
Tab 1

Department	Ward_Type	Type of Admission	Severity of Illness
5	**6**	**3**	**3**
Department	Ward_Type	Type of Admission	Severity of Illness

patientid by Ward_Type

2.Dashboard To Show Number Of Patients:

Tab 2

case_id by Ward_Type

City_Code_Hospital for City_Code_Hospital regions and case_id and case_id for City_Code_Hospital points

case_id by Department

case_id by Ward_Facility_Code

3.Age Wise Patients With Department And Severity Filters

Tab 3

case_id by Age

Department

Department
TB & Chest disease
anesthesia
gynecology
radiotherapy
surgery

Severity of Illness

Severity of Illness
Extreme
Minor
Moderate
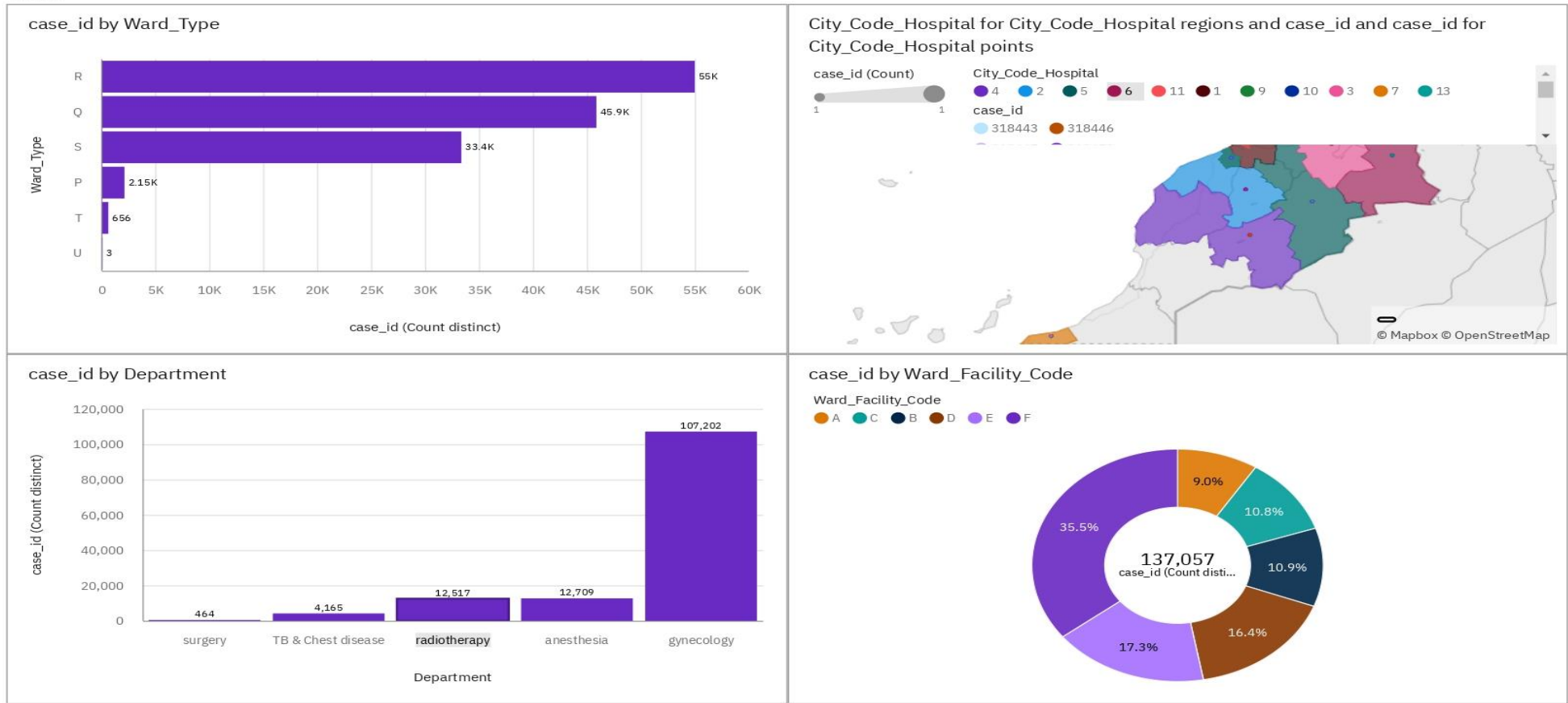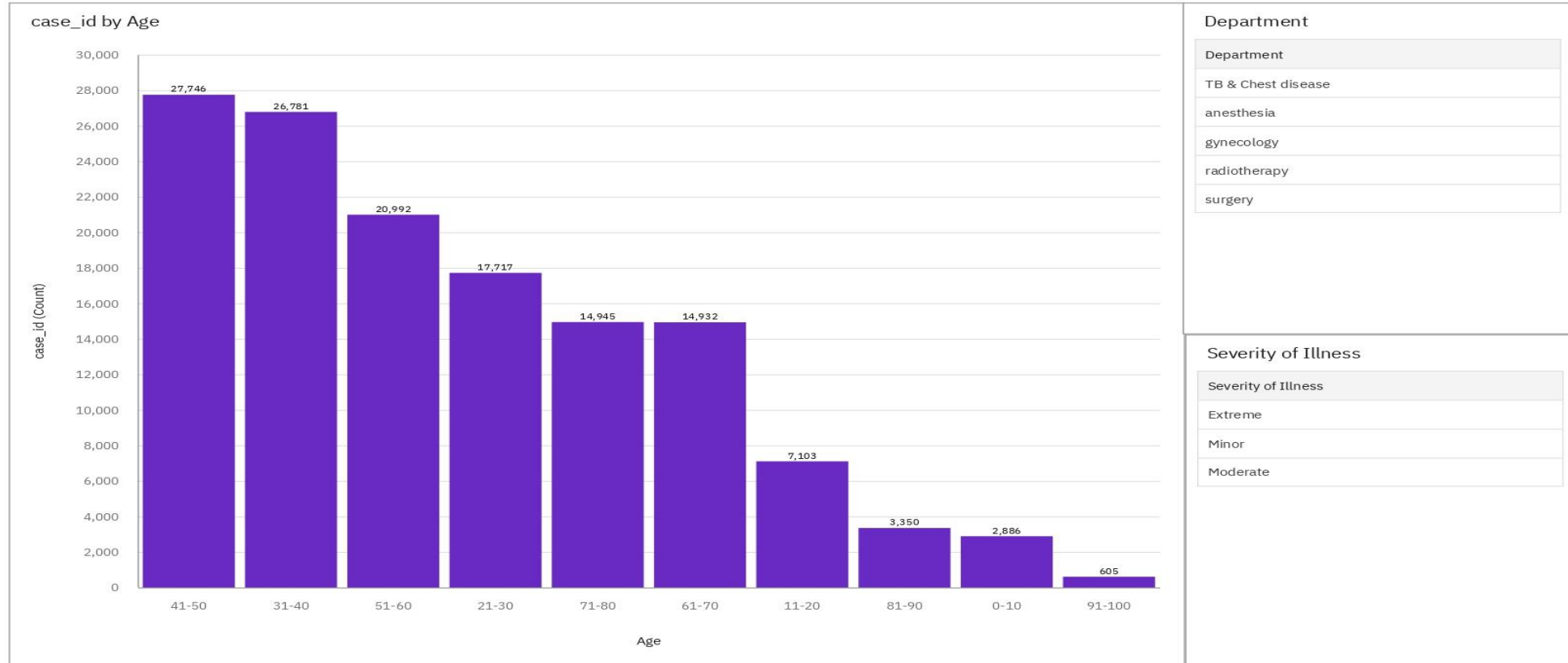
4.Dashboard With Hierarchy Bubble And Radial Visuals

Data Visualizations

Tab 4

Bed Grade, Department and Ward_Type hierarchy colored by Ward_Type and sized by case_id
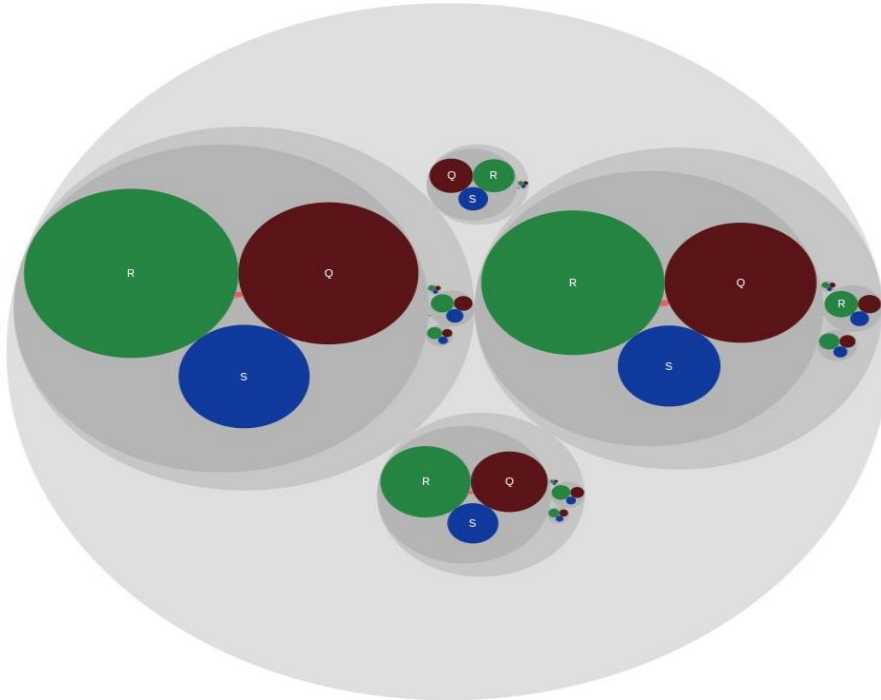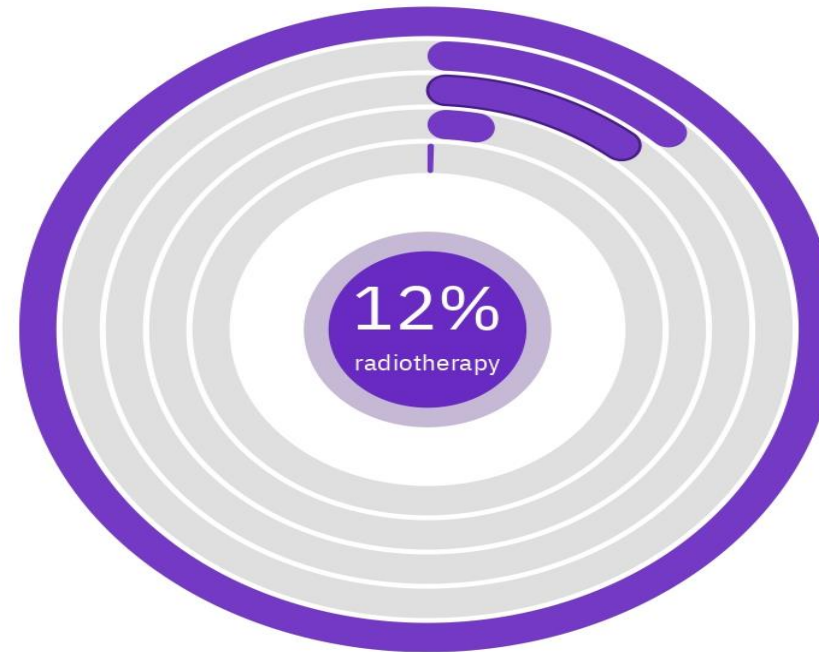
Admission_Deposit by Department

case_id (Count dis...

Ward_Type
● P ● Q ● R ● S ● T ● U

1   17,353

5.Dashboard Showing Pie, Stacked Bar, Waterfall And Pie Charts

Tab 5

case_id by Severity of Illness

Severity of Illness
- Extreme - Minor - Moderate

24,472

137,057
case_id (Count disti...

75,722

36,863

case_id by Age colored by Department

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

patientid for Department

Column values
- Increase - Decrease

case_id by Available Extra Rooms in Hospital

Available Extra Rooms in Hospital
- 21 - 13 - 12 - 0 - 11 - 10 - 9 - 8 - 7 - 1 - 6 - 5 - 3 - 4 - 2

42,584

39,235

39,482