

# **Project Development Phase**

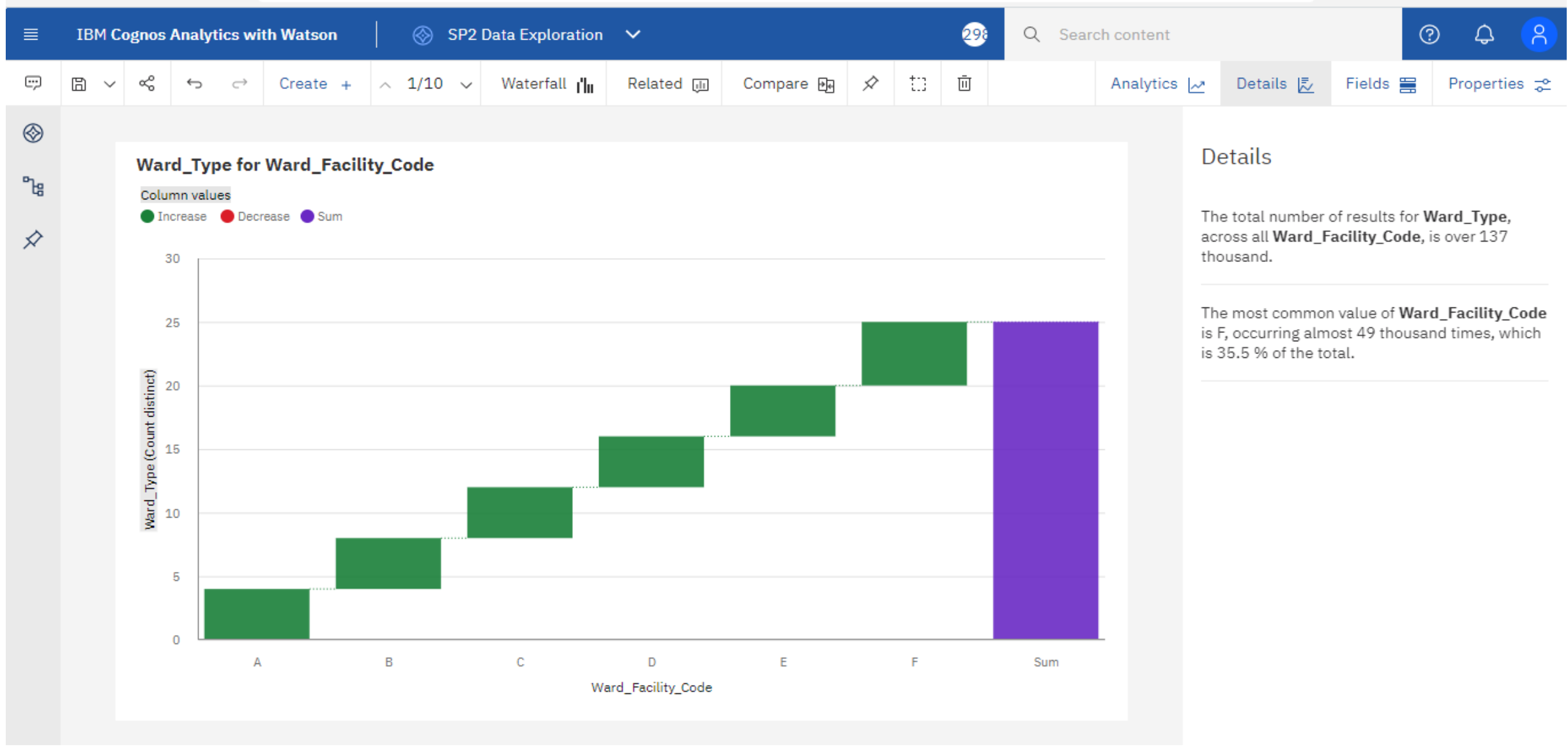
## **Delivery of Sprint-2**

<b>Date:</b>	<b>08.11.2022</b>
<b>Team ID :</b>	<b>PNT2022TMID23616</b>
<b>Project Name :</b>	<b>Analytics for Hospital Health-Care Data</b>

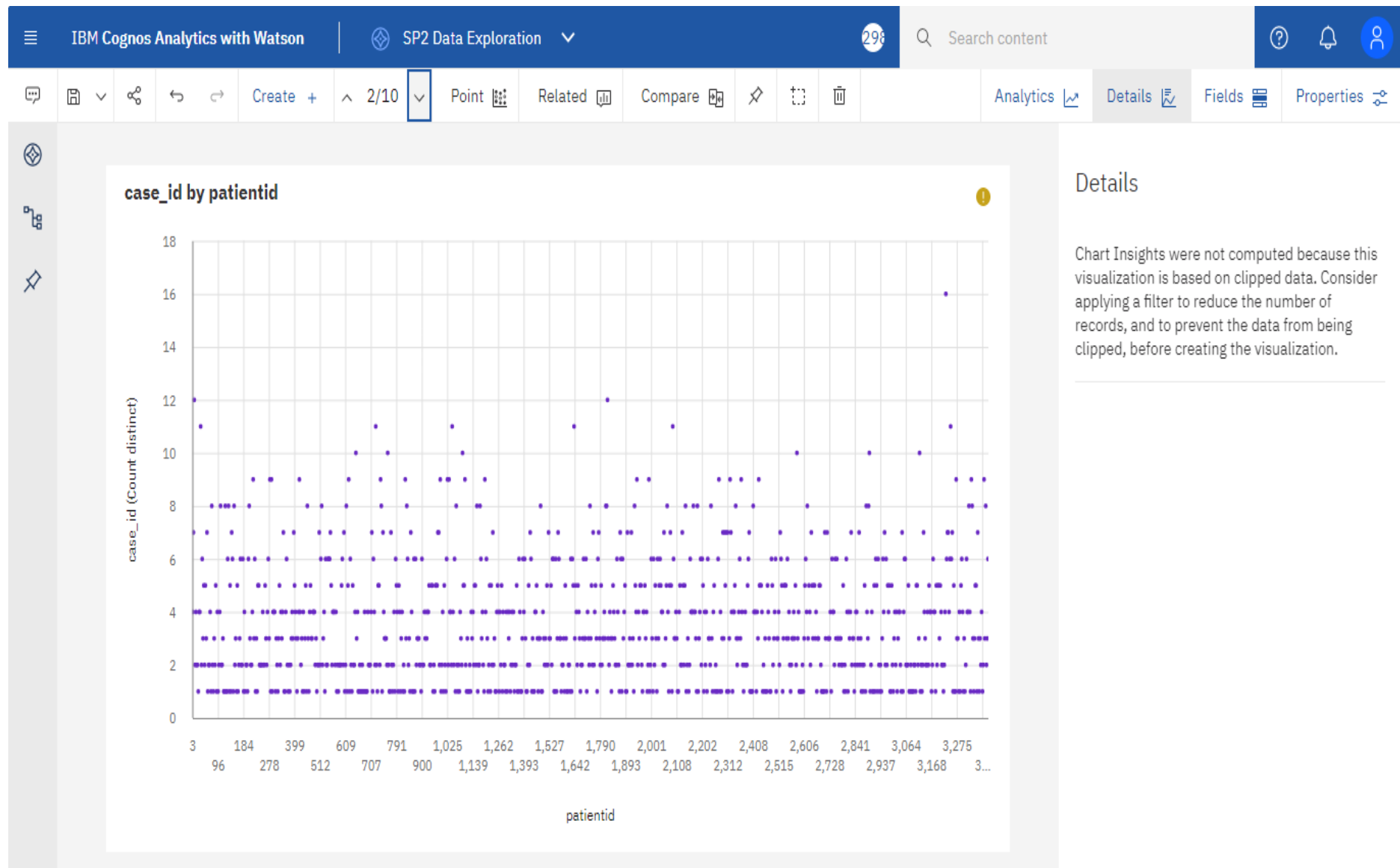
## **A) Data Explorations:**

- 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**

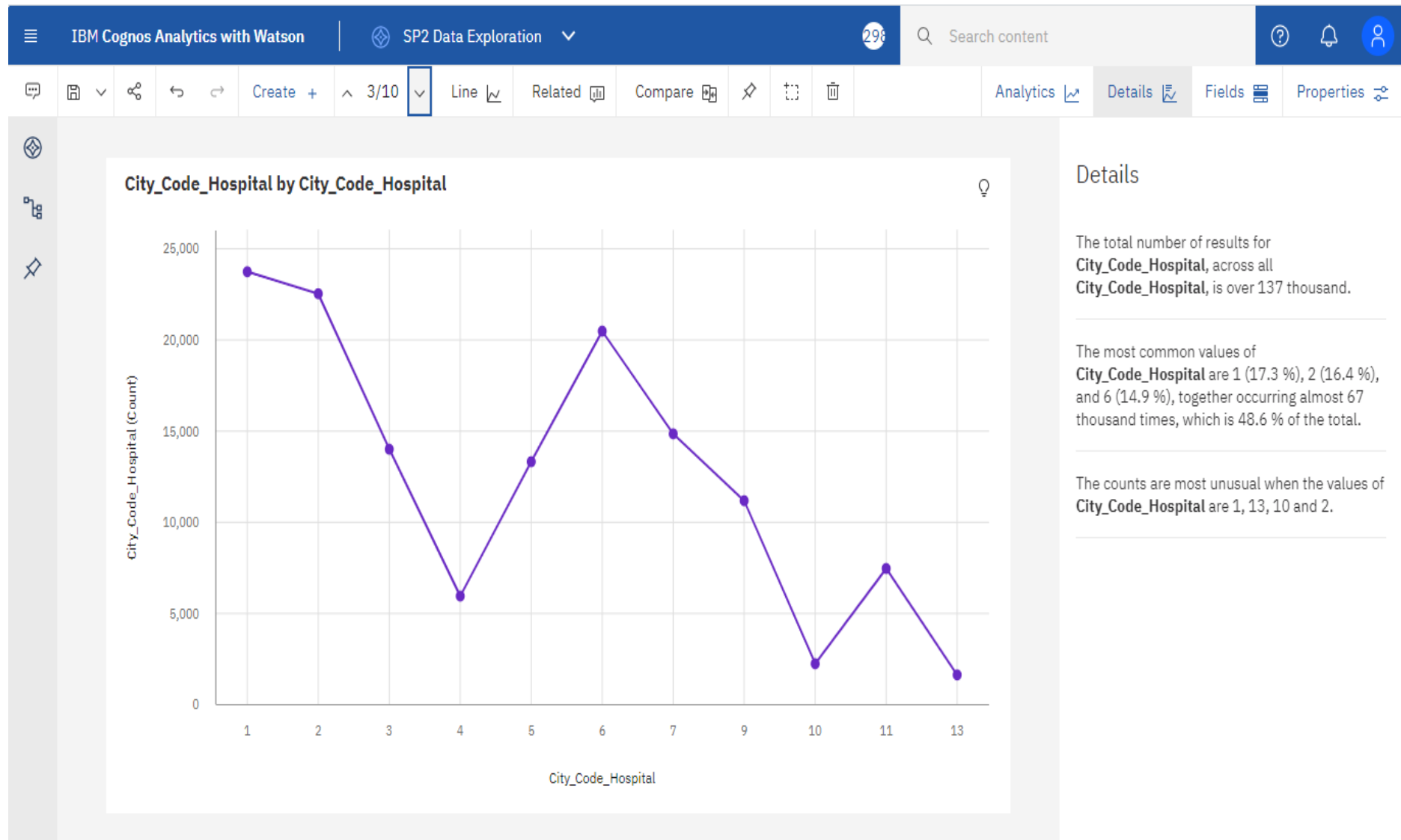
# 1.Ward\_Type for Ward\_Facility\_Code



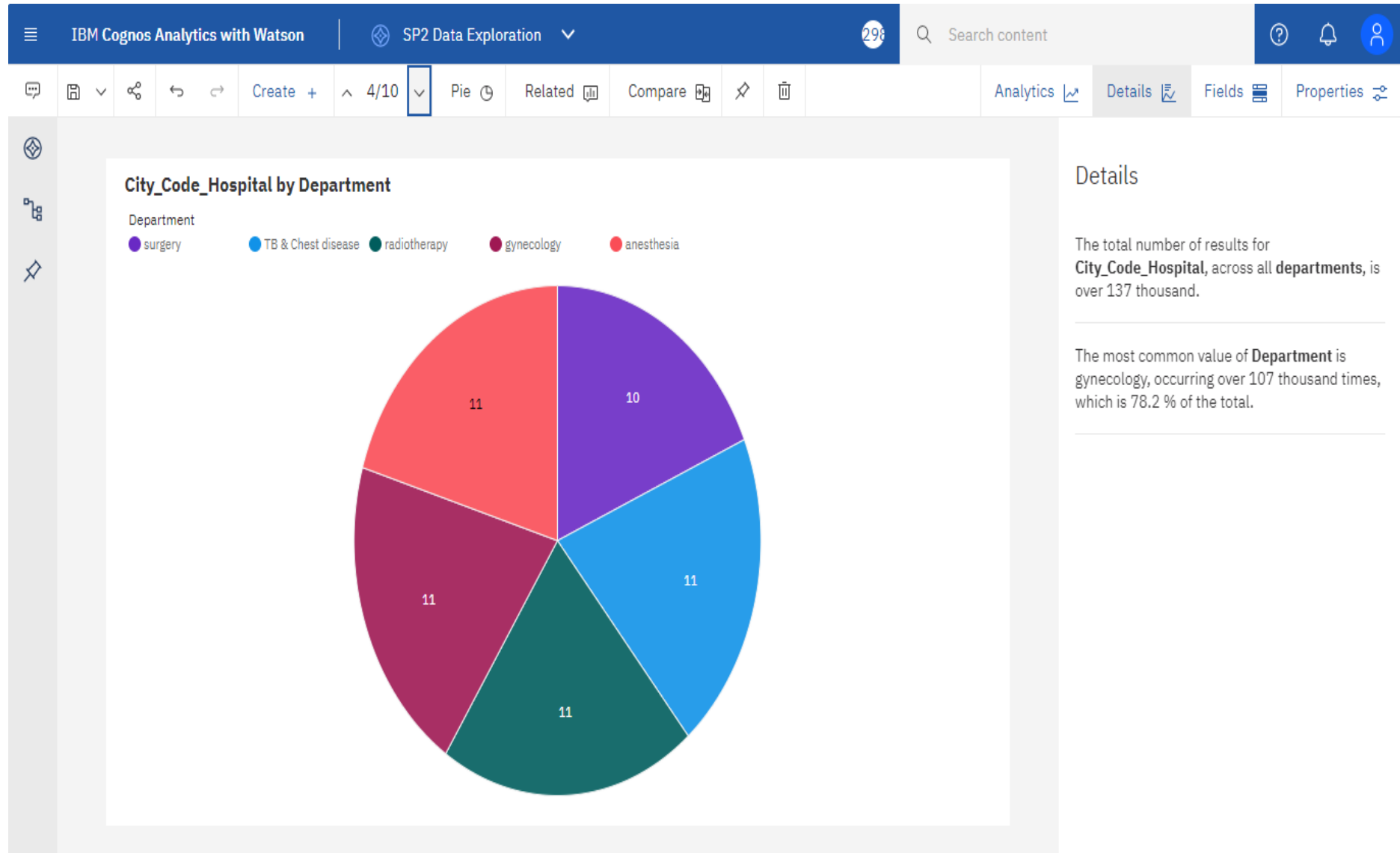
## 2. case\_id by patient\_id



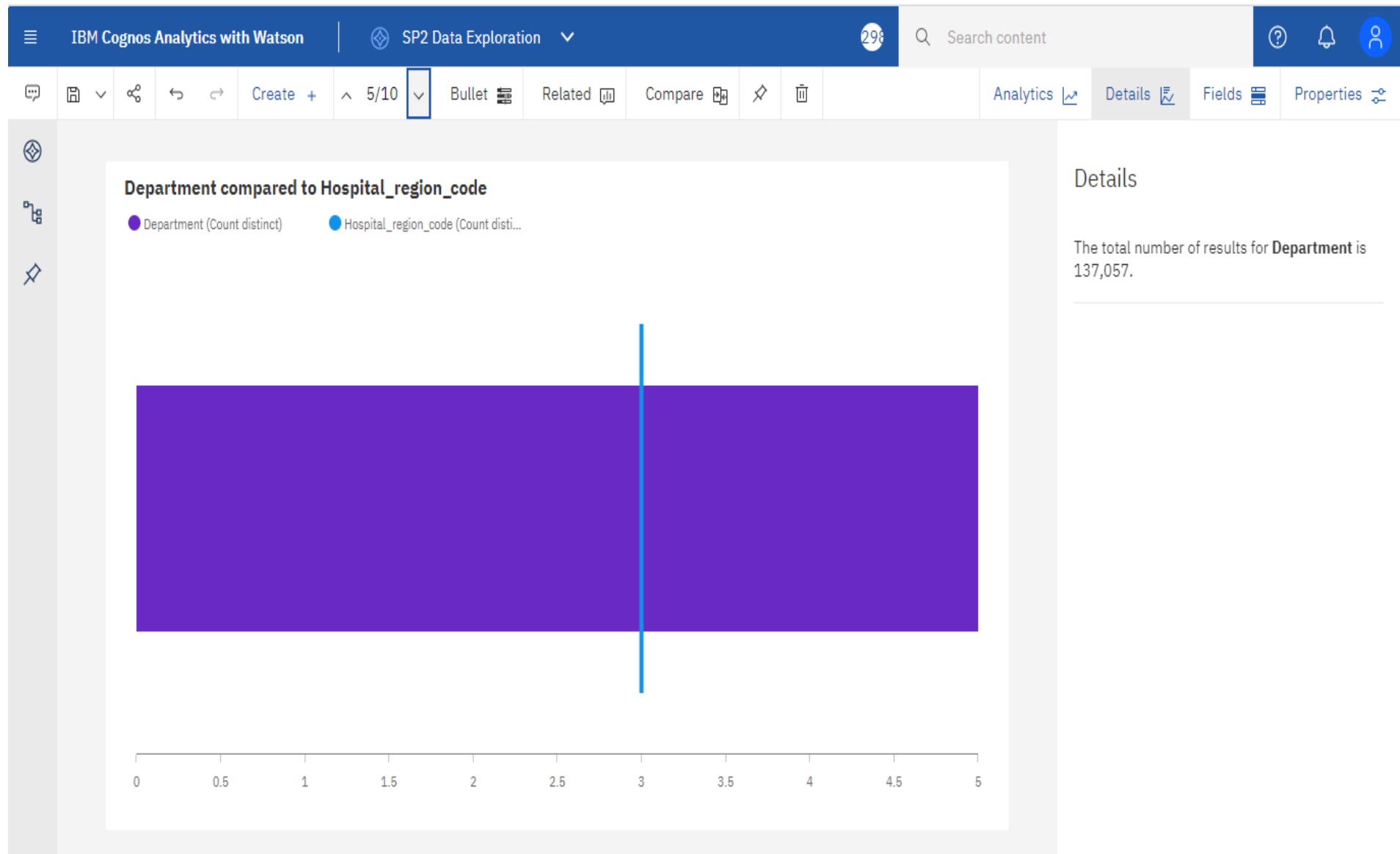
### 3. City\_Code\_Hospital by City\_Code\_Hospital



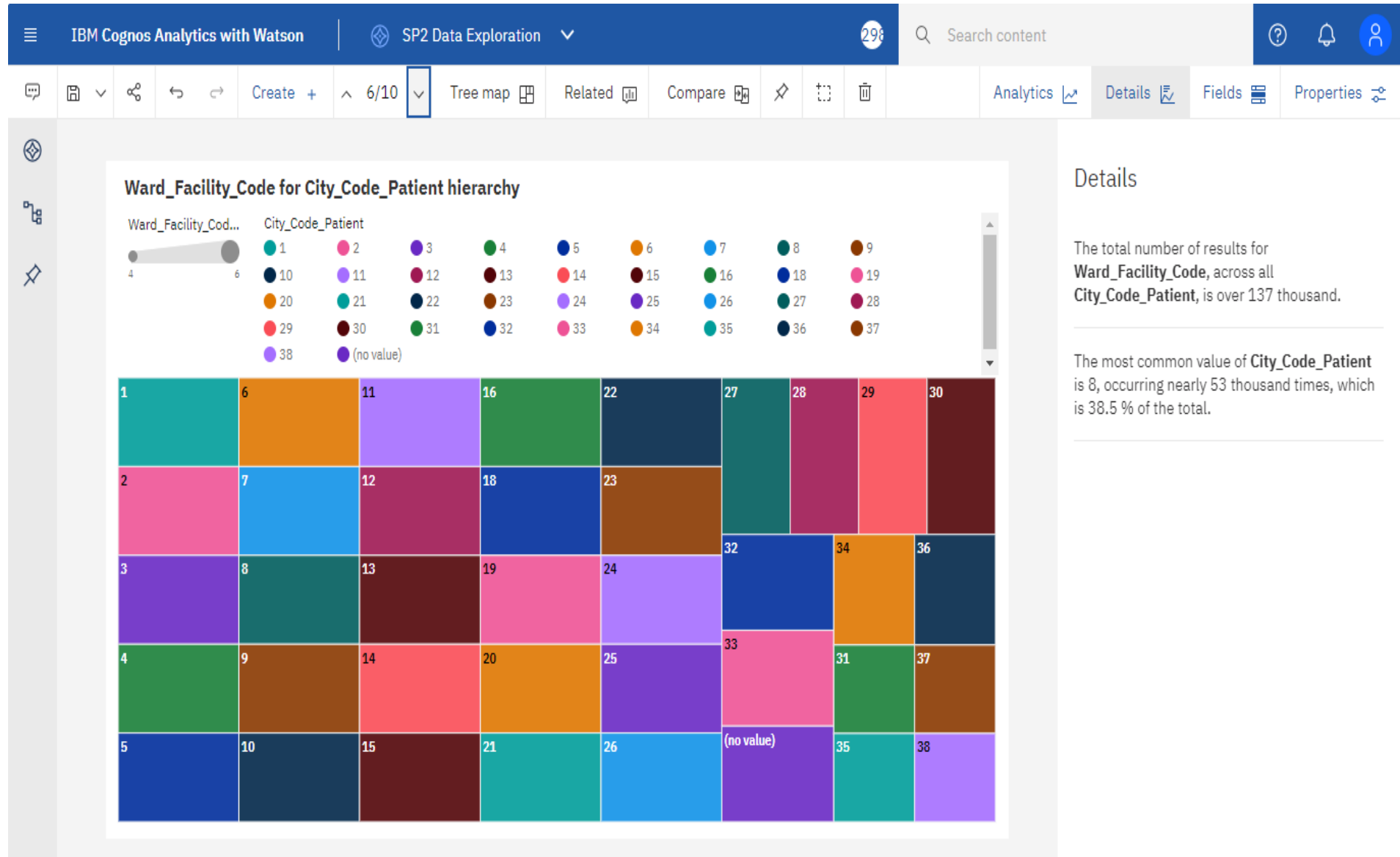
## 4. City\_Code\_Hospital by Department



## 5. Department compared to Hospital\_region\_code

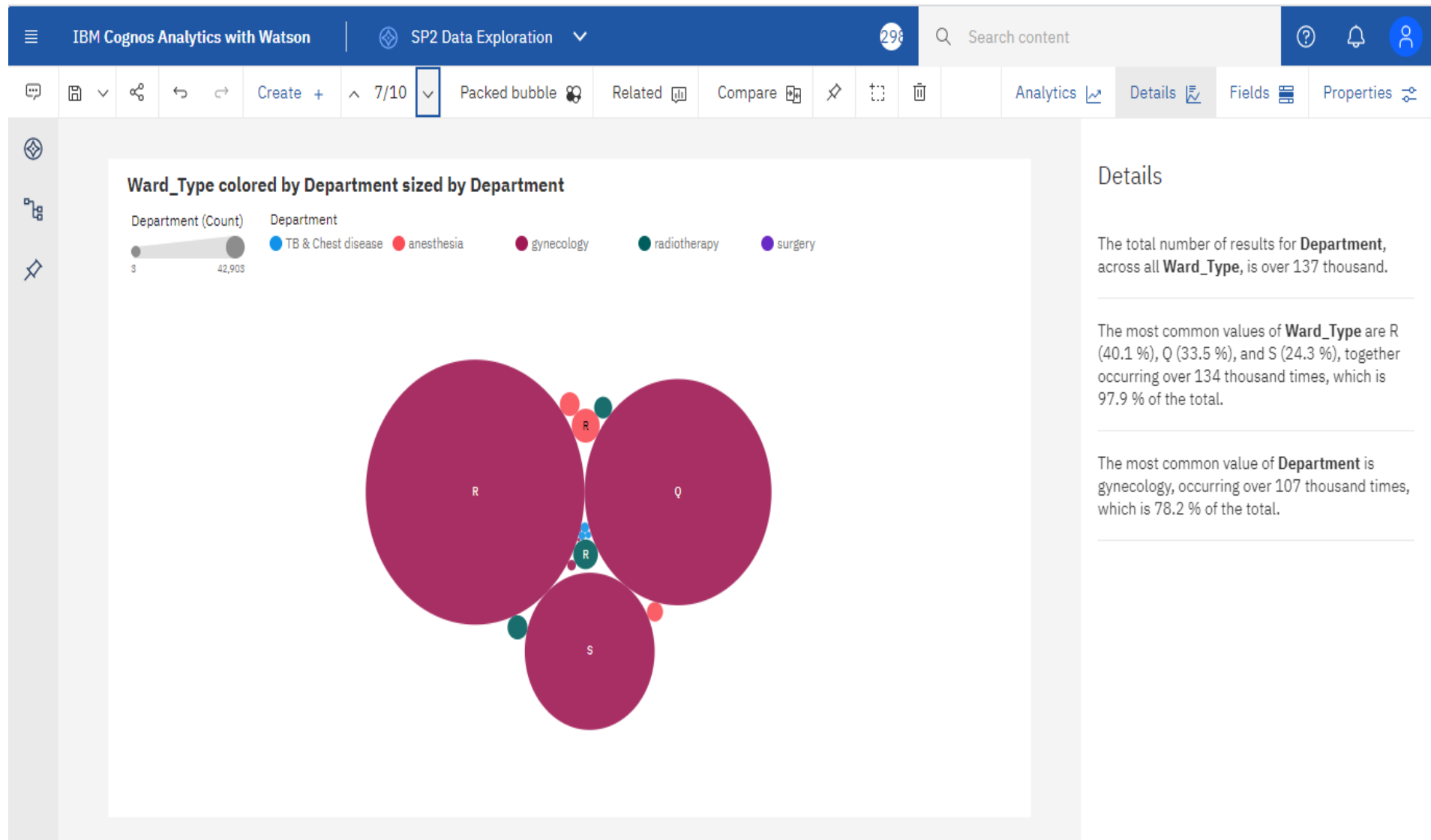


## 6. Ward\_Facility\_Code for City\_Code\_Patient hierarchy

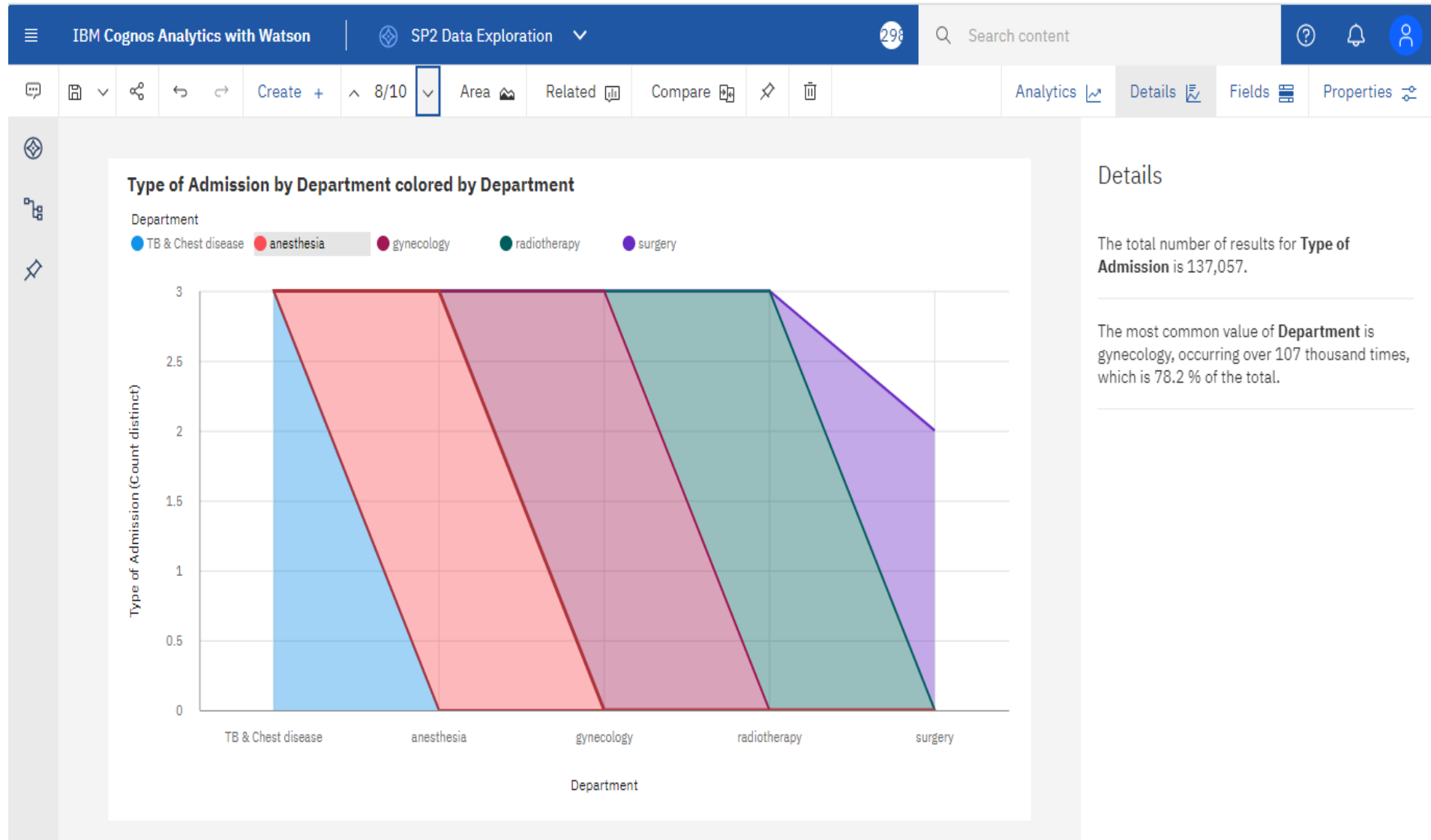




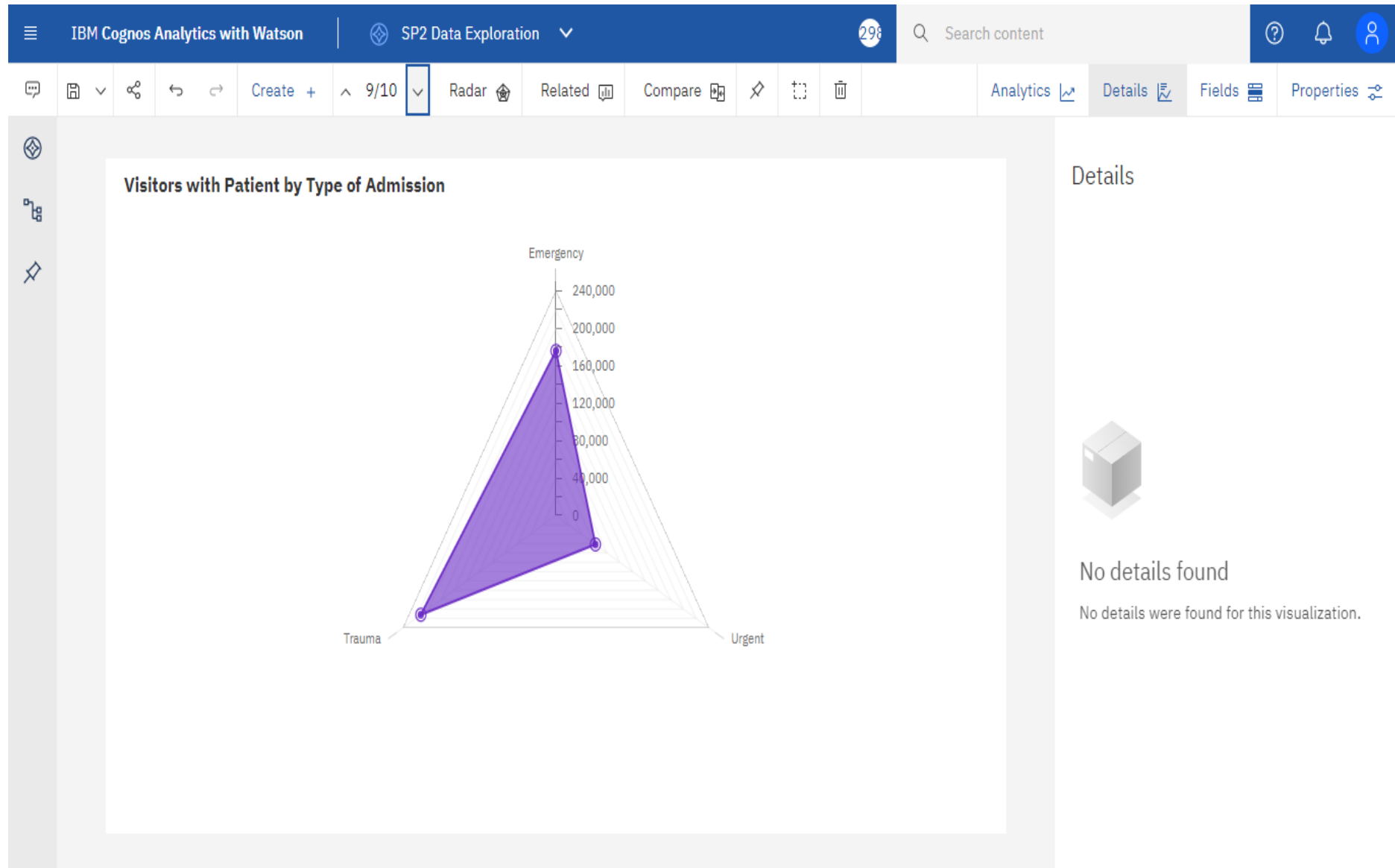
## 7. Ward\_Type colored by Department sized by Department



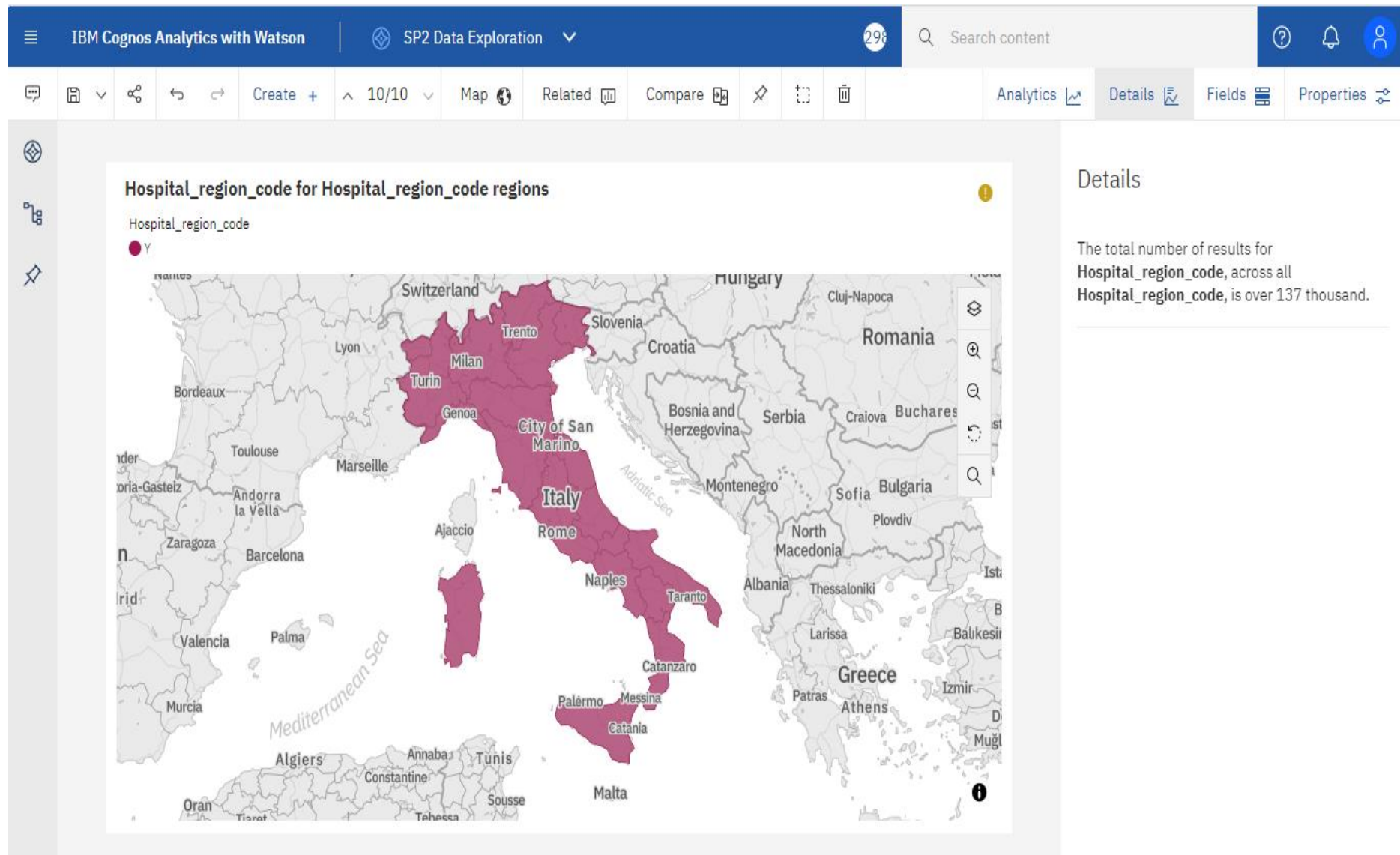
## 8. Type of Admission by Department colored by Department



## 9. Visitors with Patient by Type of Admission



# 10. Hospital\_region\_code for Hospital\_region\_code regions



## **B) Data Visualizations**

- 1) Length of Stay for each case of patients.**
- 2) Stay by Patient ID using Column Chart**
- 3) Severity of illness by Patient-Id using Tree Map**
- 4) Age, Department Wise Patient using Table**
- 5) Room Availability by Pie Chart**
- 6) Department wise no. of admissions by Waterfall Chart**

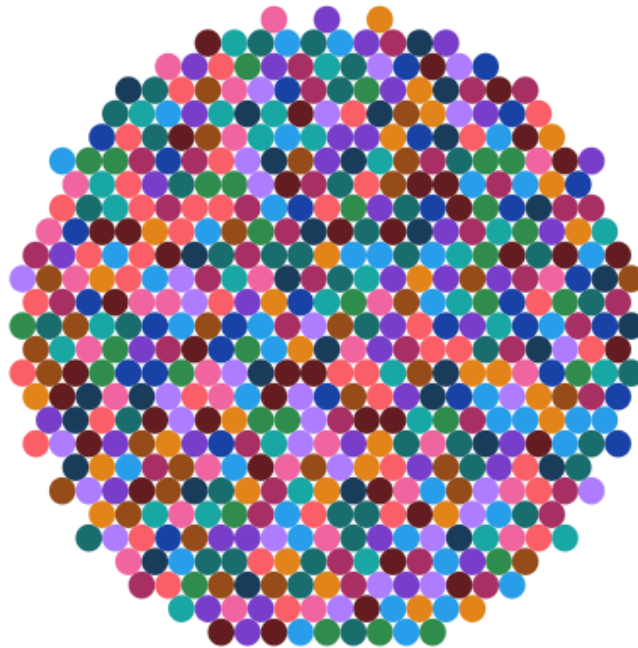
# 1. Length of Stay for each case of patients

Stay colored by case\_id

1

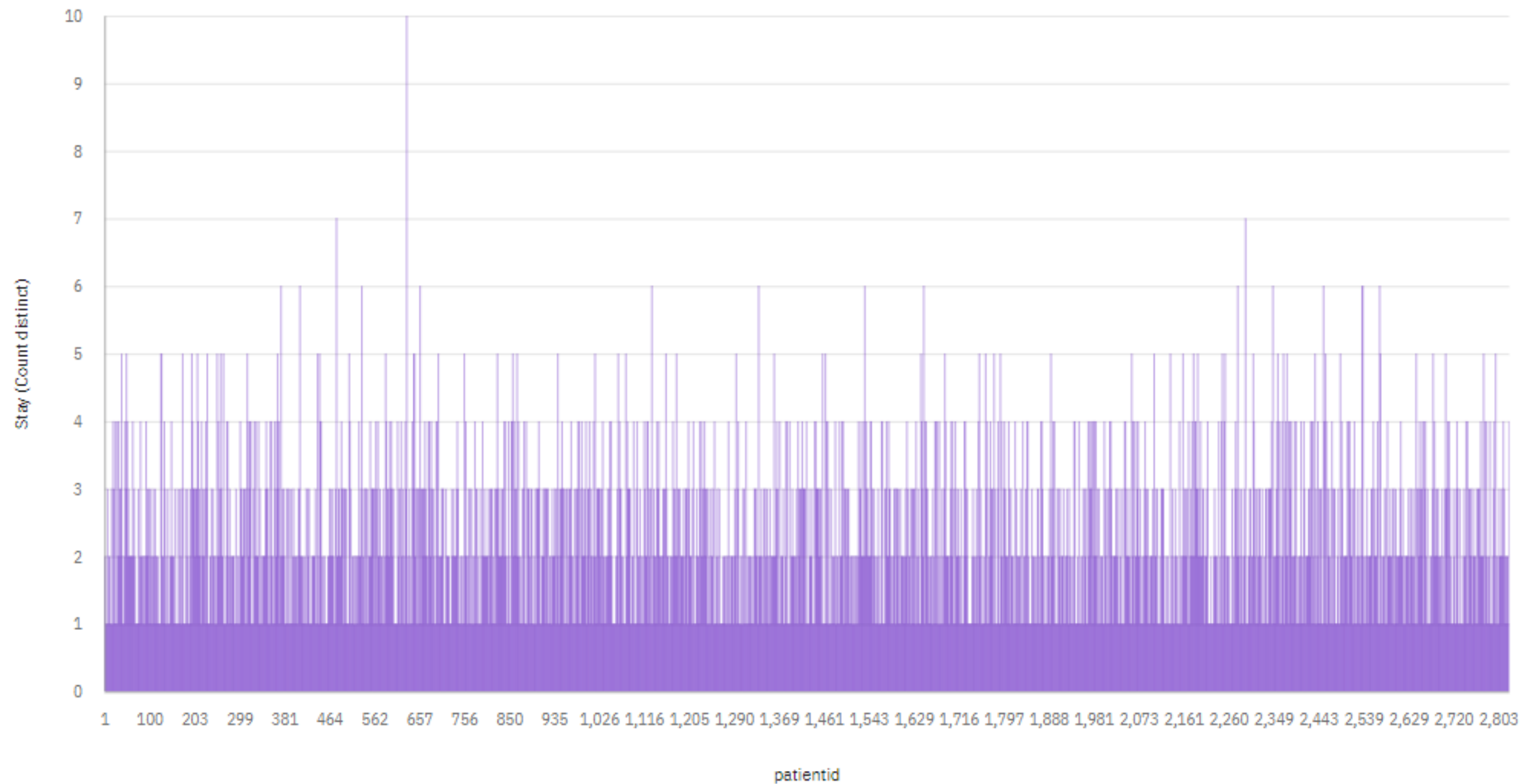
case\_id

318439	318440	318441	318442	318443	318444	318445	318446	318447	318448	318449	318450	318451	318452	318453	318454	318455
318456	318457	318458	318459	318460	318461	318462	318463	318464	318465	318466	318467	318468	318469	318470	318471	318472
318473	318474	318475	318476	318477	318478	318479	318480	318481	318482	318483	318484	318485	318486	318487	318488	318489
318490	318491	318492	318493	318494	318495	318496	318497	318498	318499	318500	318501	318502	318503	318504	318505	318506
318507	318508	318509	318510	318511	318512	318513	318514	318515	318516	318517	318518	318519	318520	318521	318522	318523
318524	318525	318526	318527	318528	318529	318530	318531	318532	318533	318534	318535	318536	318537	...		



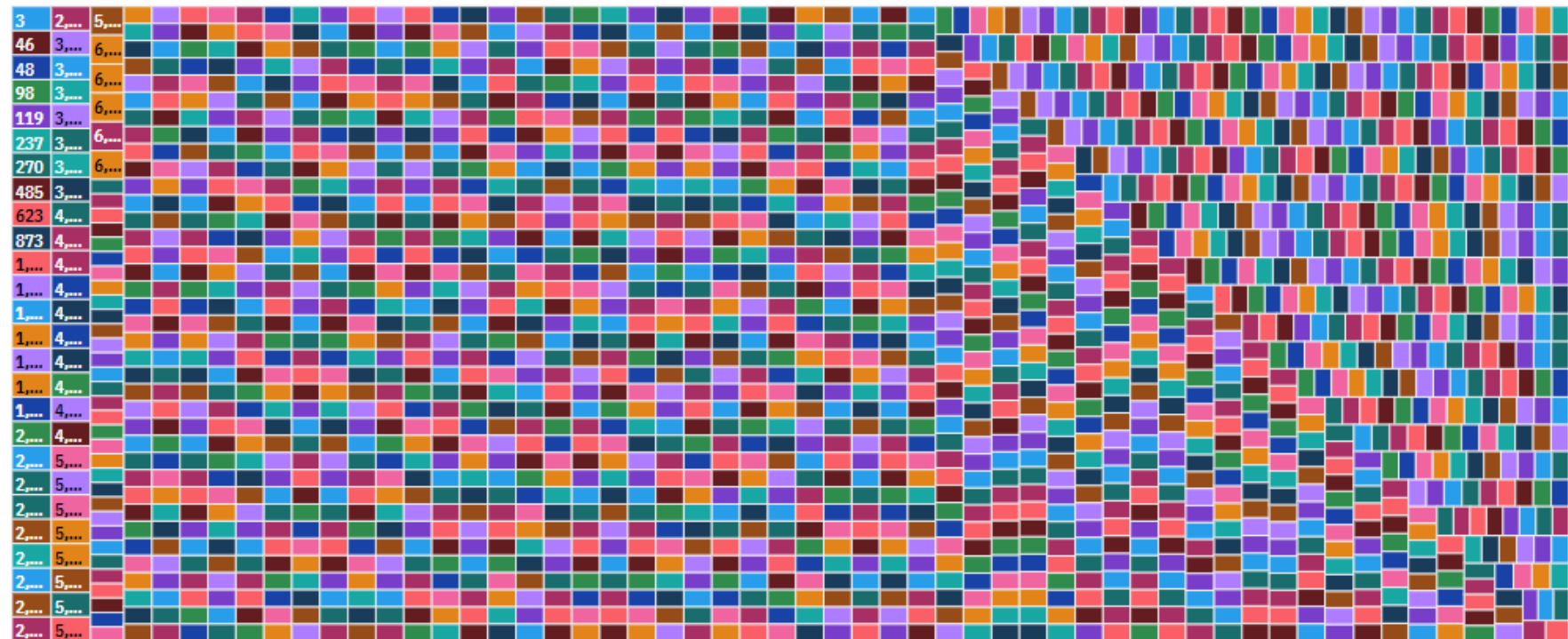
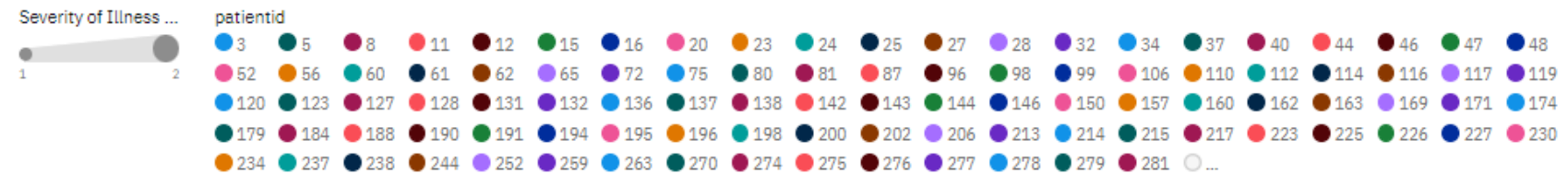
## 2.Stay by Patient ID using Column Chart

Stay by patientid



### 3. Severity of illness by Patient-Id using Tree Map

Severity of Illness for patientid hierarchy





## 4.Age, Department Wise Patient using Table

Department, patientid and Age

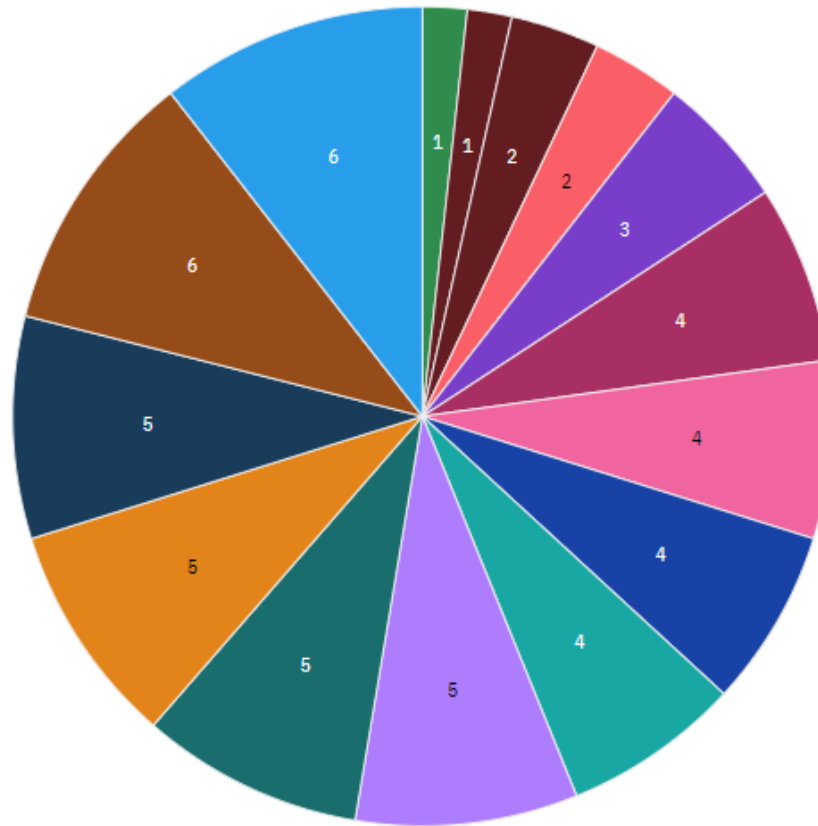
Age	Department	patientid
0-10	TB & Chest disease	215
	anesthesia	185
	gynecology	2,003
	radiotherapy	446
	surgery	37
Summary		2,886
11-20	TB & Chest disease	304
	anesthesia	582
	gynecology	5,466
	radiotherapy	727
	surgery	24
Summary		7,103
21-30	TB & Chest disease	572
	anesthesia	1,499
	gynecology	14,340
	radiotherapy	1,279
	surgery	27

## 5.Room Availability by Pie Chart

Ward\_Type by Available Extra Rooms in Hospital

Available Extra Rooms in Hospital

● 21 ● 13 ● 12 ● 11 ● 0 ● 8 ● 9 ● 10 ● 7 ● 4 ● 5 ● 1 ● 6 ● 2 ● 3



## 6.Department wise no. of admissions by Waterfall Chart

Type of Admission for Department



Column values

● Increase ● Decrease ● Sum

