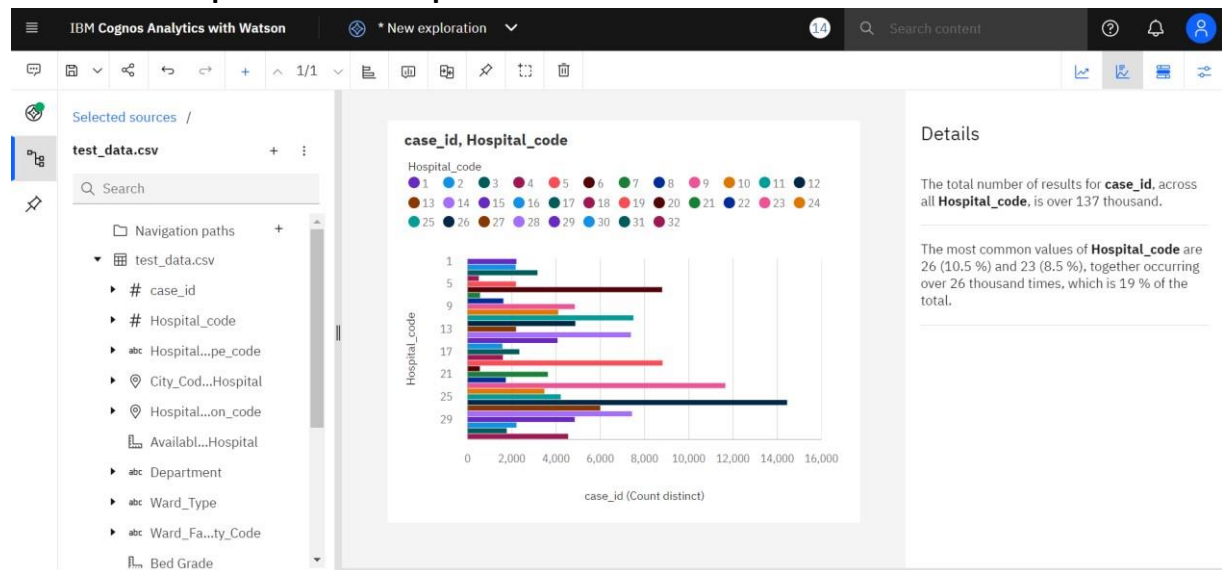


Exploration and Visualizations

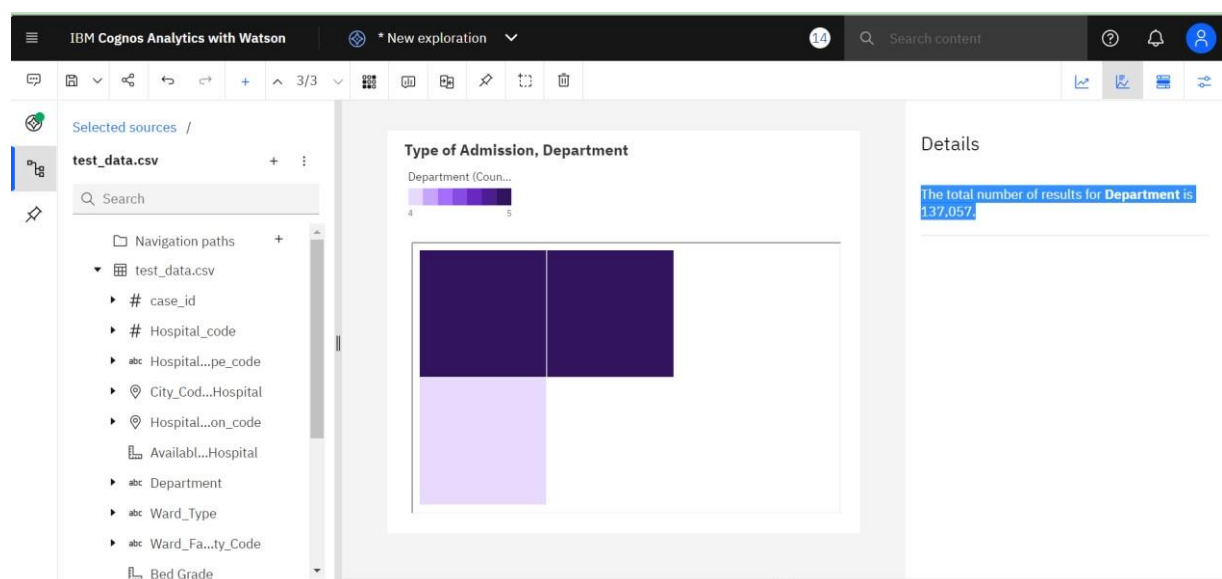
Team ID	PNT2022TMID21554
Project Name	Analytics for Hospital's Health-Care Data

Exploration of the Dataset Using IBM Cognos Analytics :

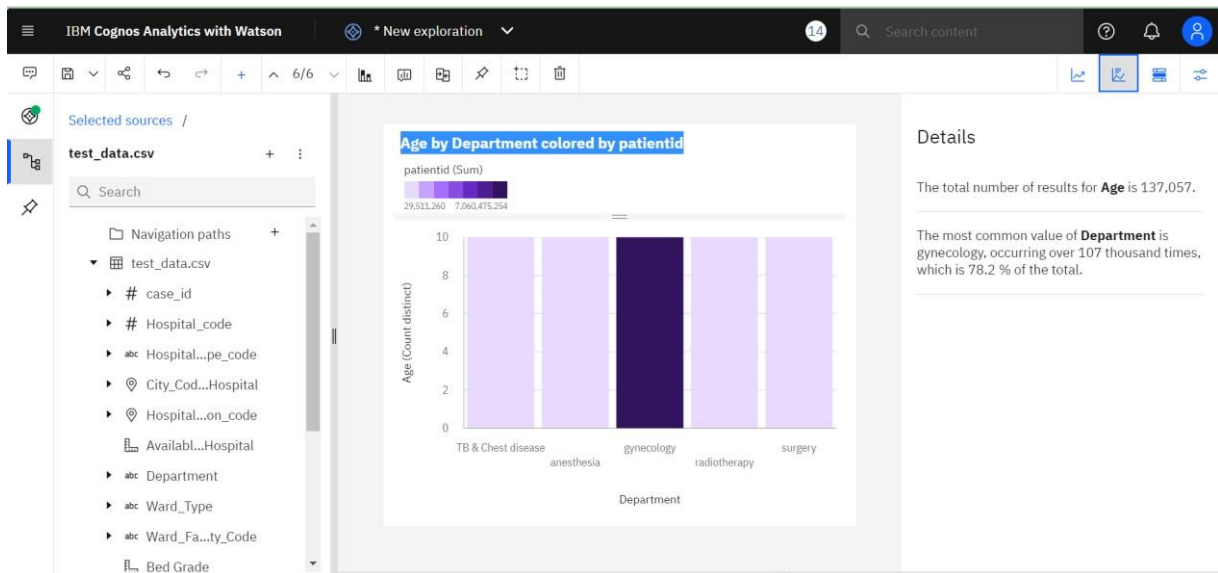
Case ID of each patient with Hospital Code:



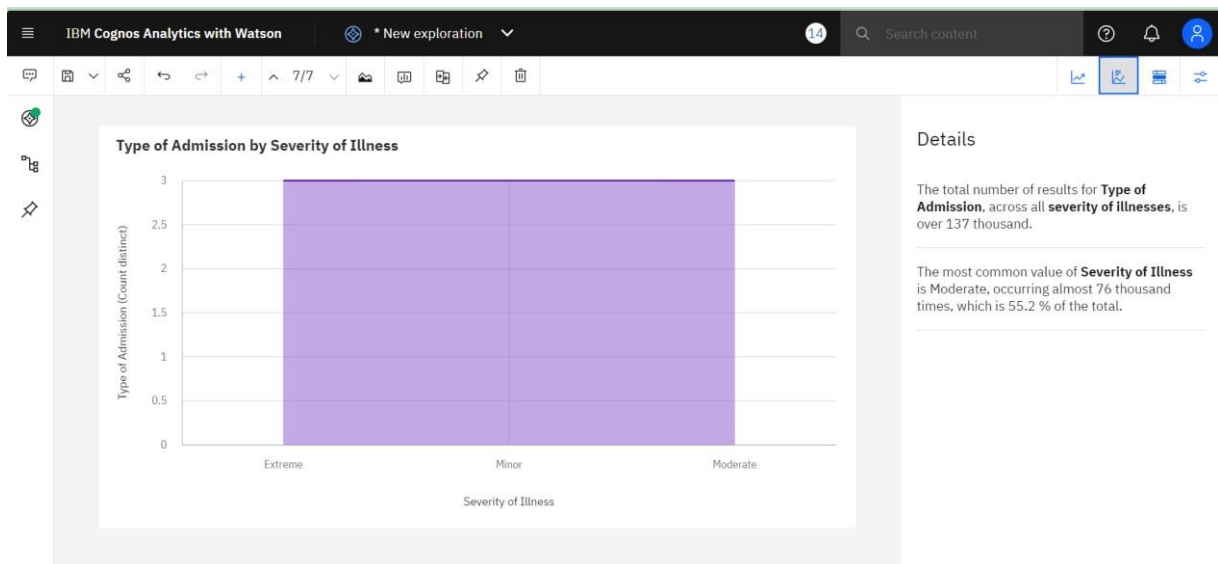
The total number of results for **Department** is 137,057.



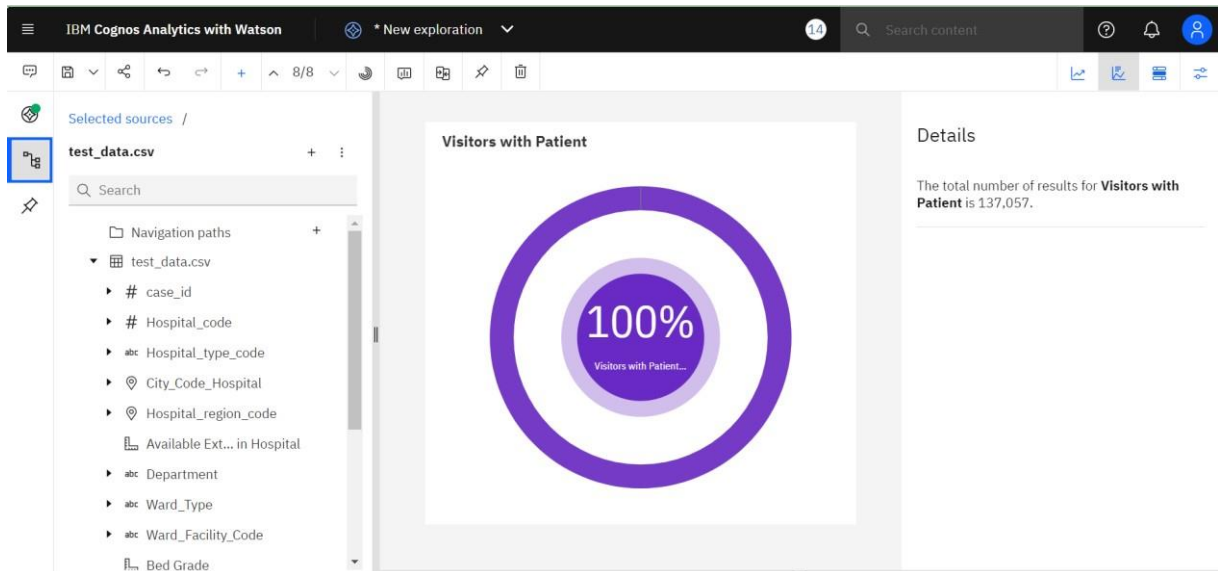
Age by Department colored by patientid



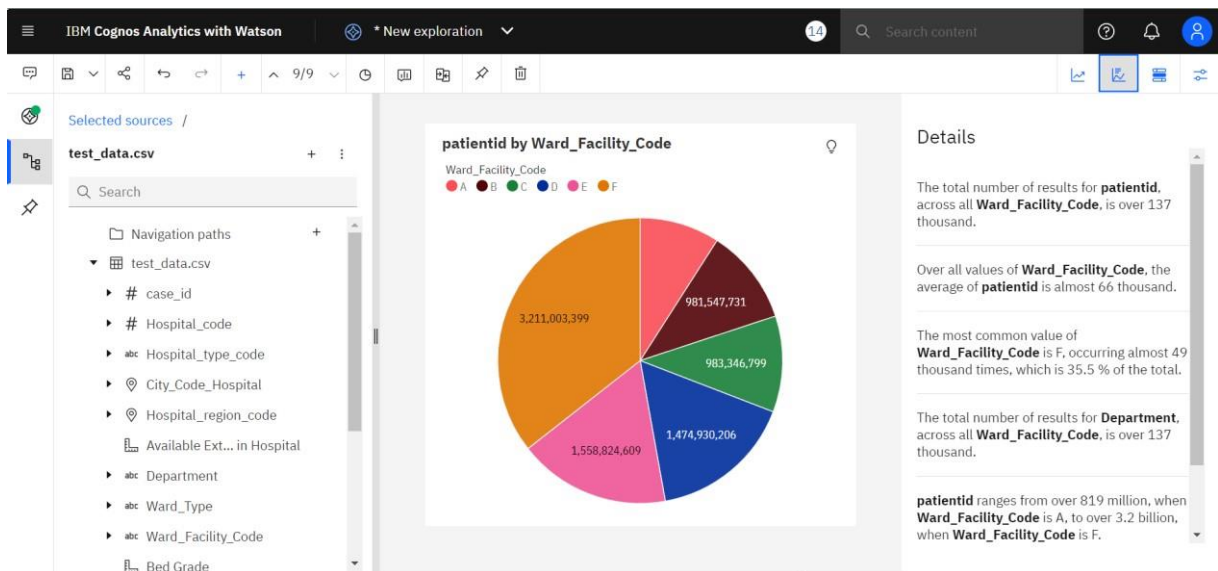
Type of Admission by Severity of Illness



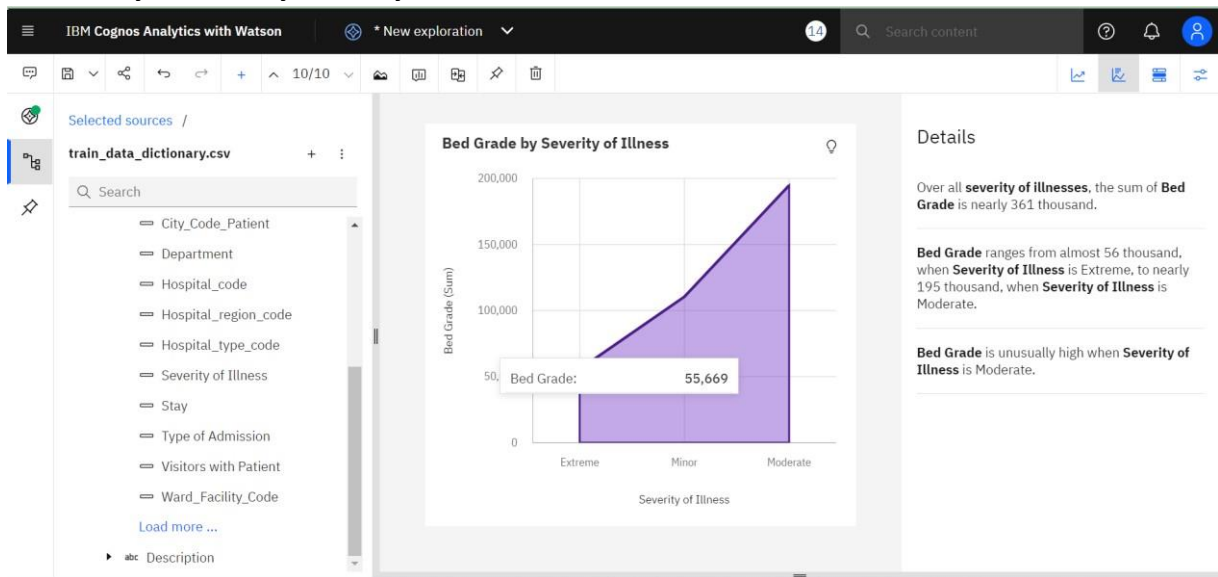
Visitors with Patient:



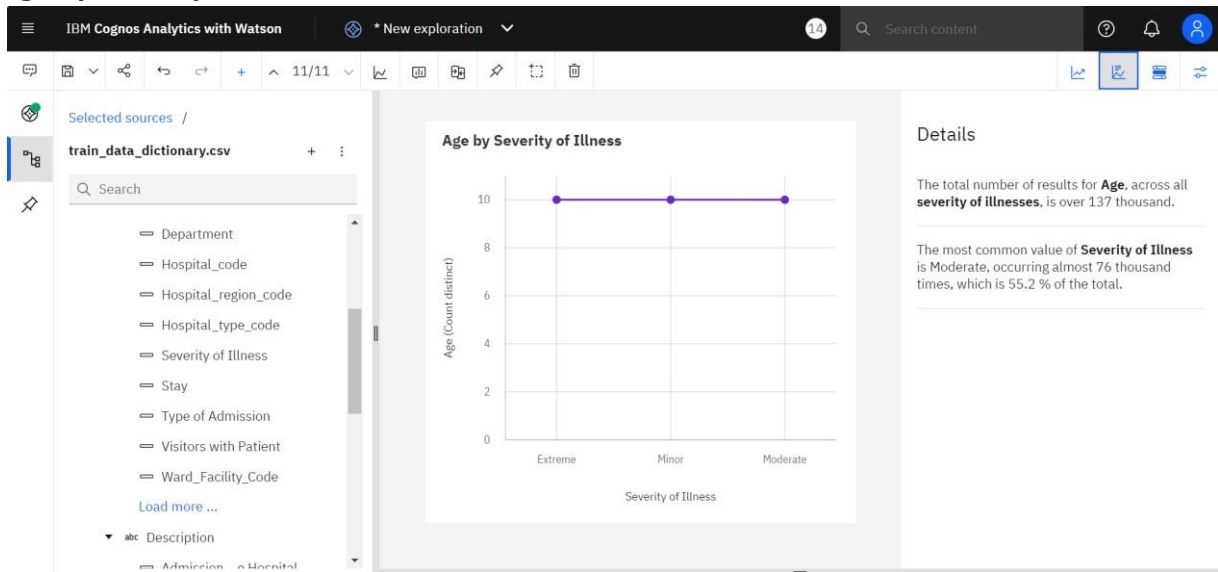
Patientid by Ward_Facility_Code



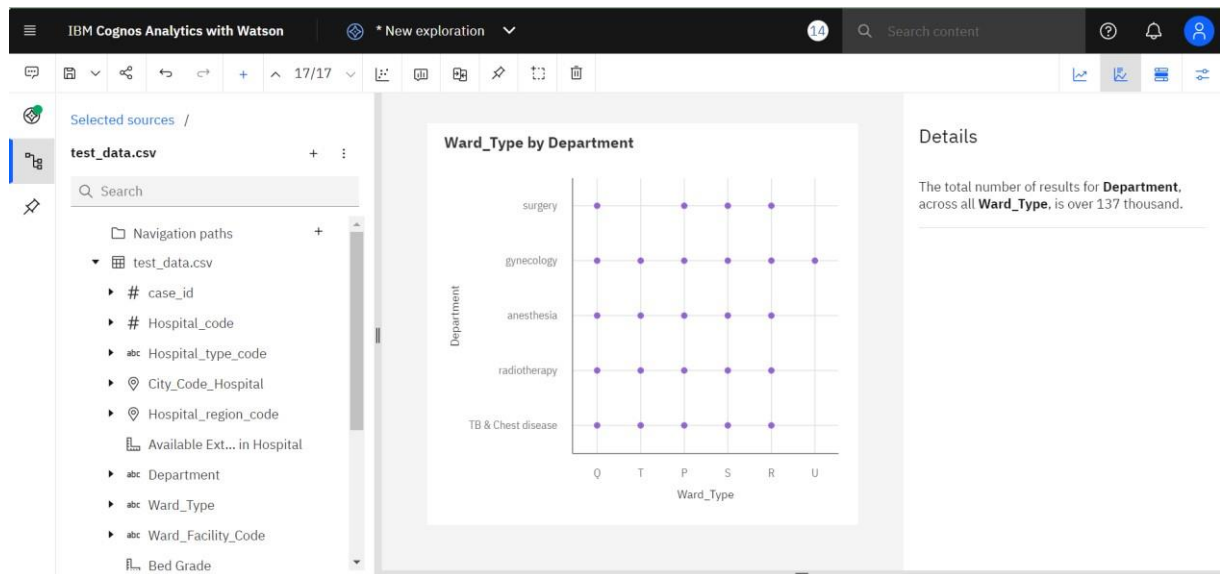
Availability of Beds by Severity of Illness:



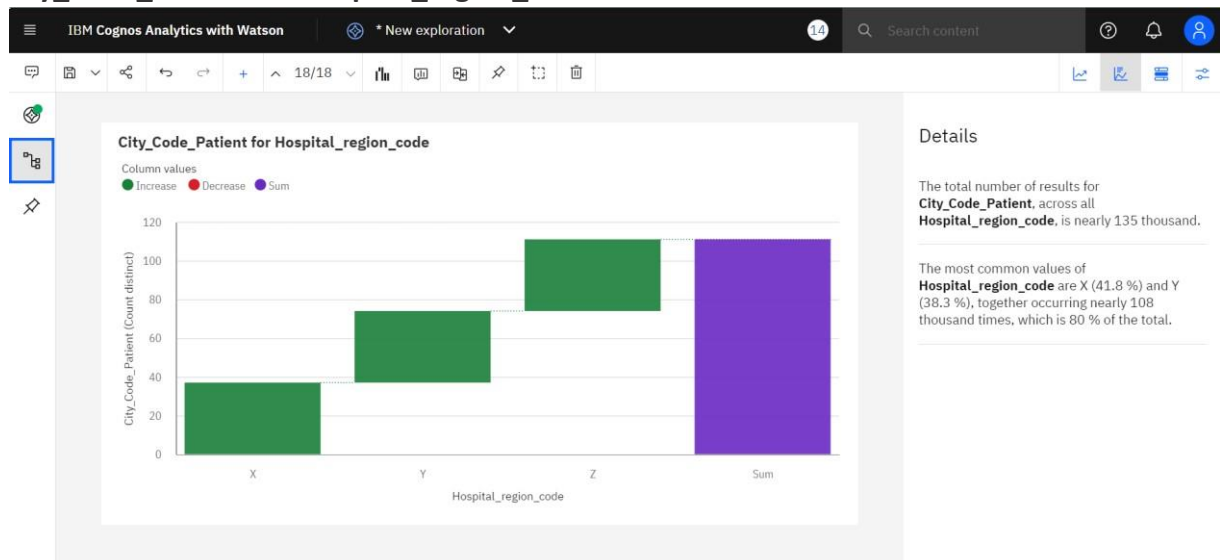
Age by Severity of Illness



Ward_Type by Department



City_Code_Patient for Hospital_region_code



IBM Cognos Analytics with Watson

* New exploration

14

Search

Selected sources /

test_data.csv

Navigation paths

- test_data.csv
 - # case_id
 - # Hospital_code
 - abc Hospital_type_code
 - City_Code_Hospital
 - Hospital_region_code
 - Available Ext... in Hospital
 - abc Department
 - abc Ward_Type
 - abc Ward_Facility_Code
 - Bed Grade

Age

- 0-10
- 11-20
- 21-30
- 31-40
- 41-50
- 51-60
- 61-70
- 71-80
- 81-90
- 91-100

Decision Tree on Hospital type code

IBM Cognos Analytics with Watson

* New exploration

14

Search content

Hospital_type_code

Tree sunburst

Nodes

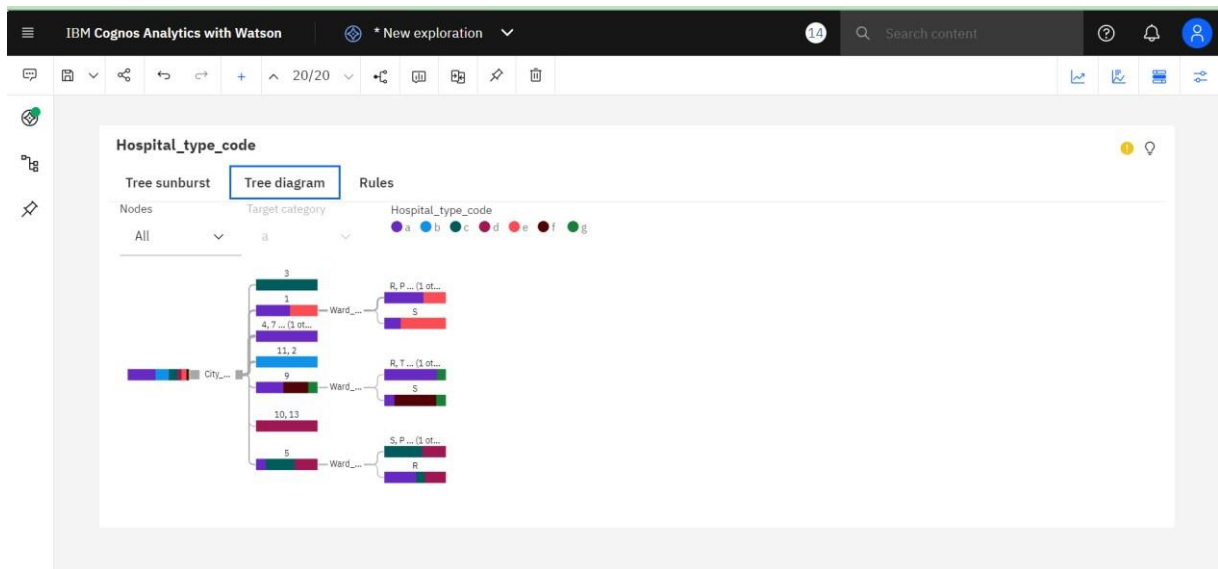
All

Target category

a

Hospital_type_code

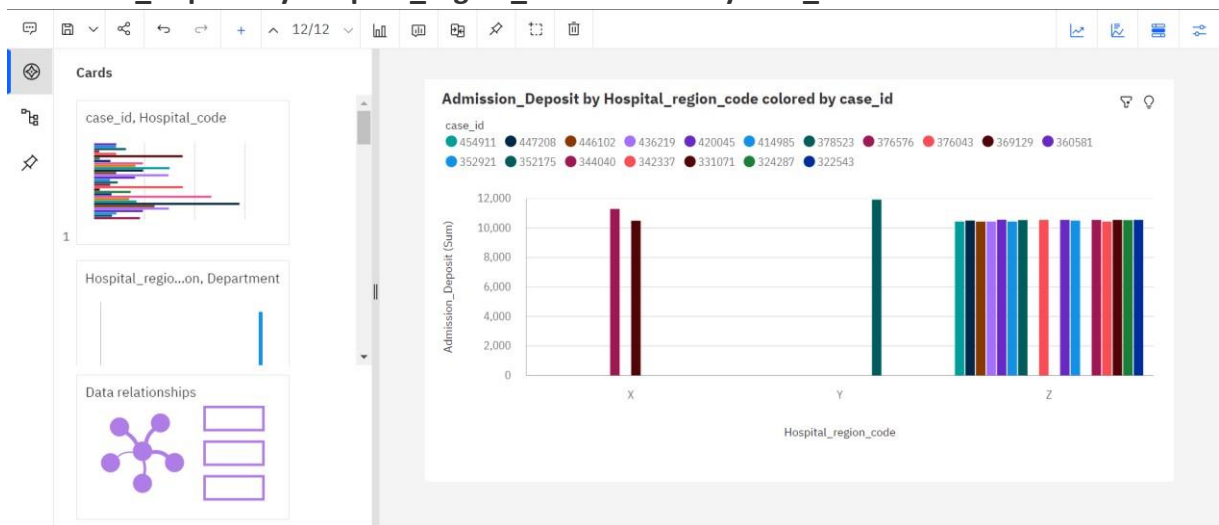
a b c d e f g



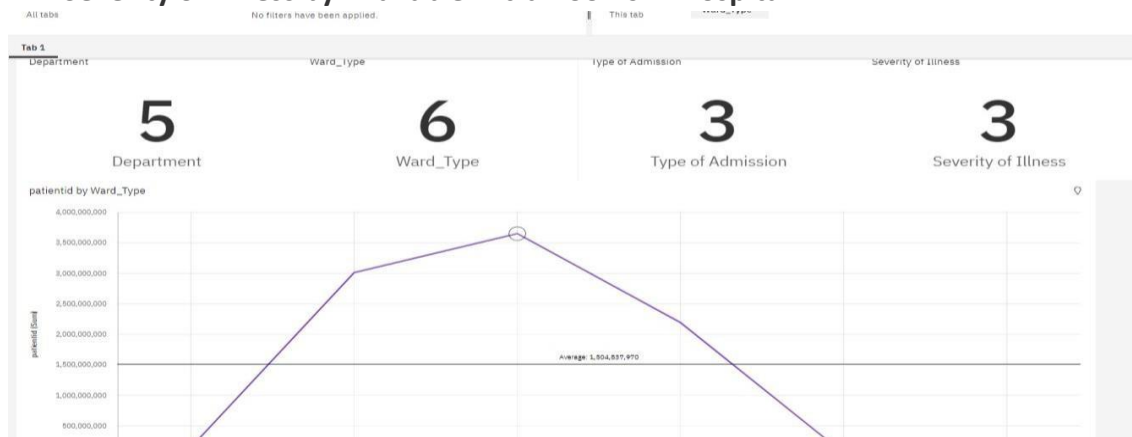
Data Visualizations:

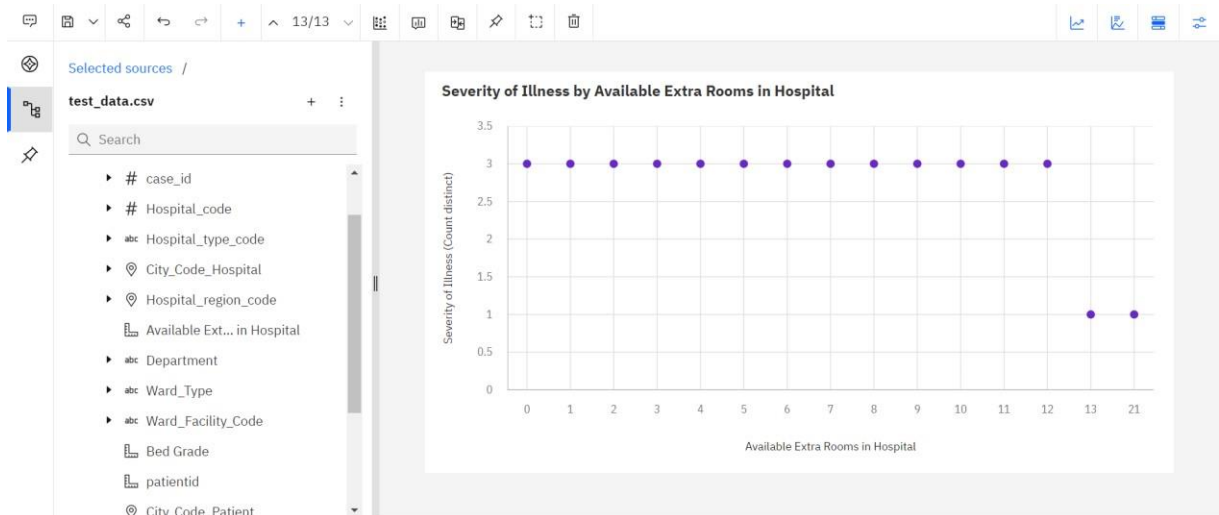
1. NUMBER OF PATIENTS BY WARD TYPE

Admission_Deposit by Hospital_region_code colored by case_id

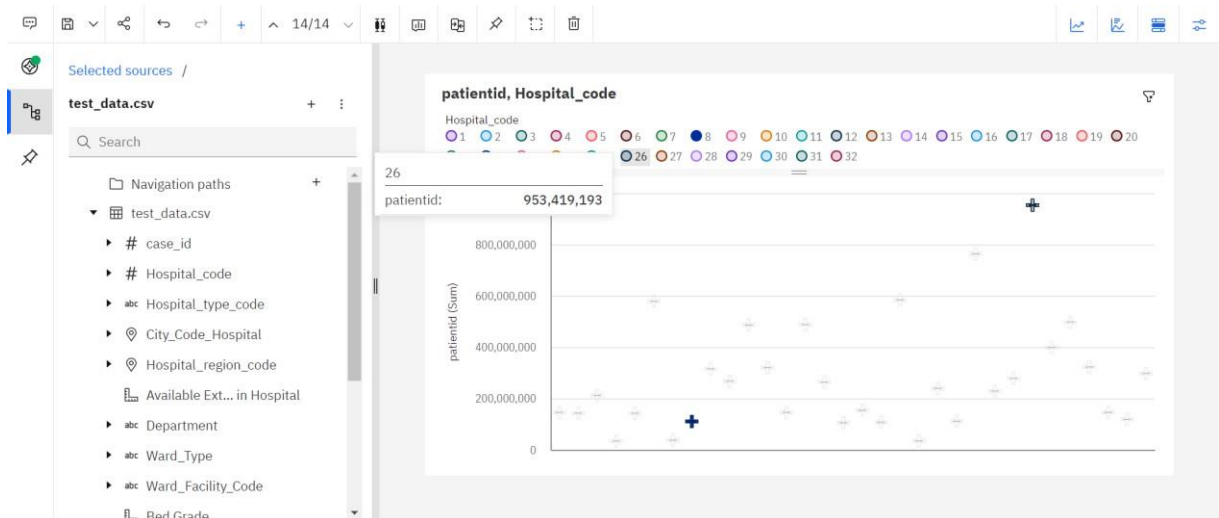


Severity of Illness by Available Extra Rooms in Hospital

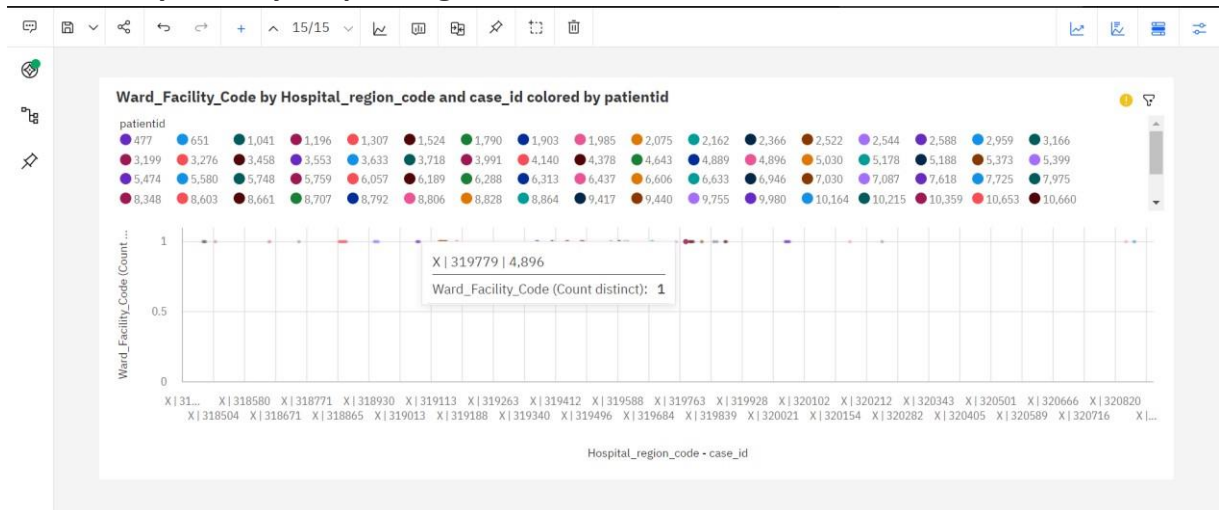




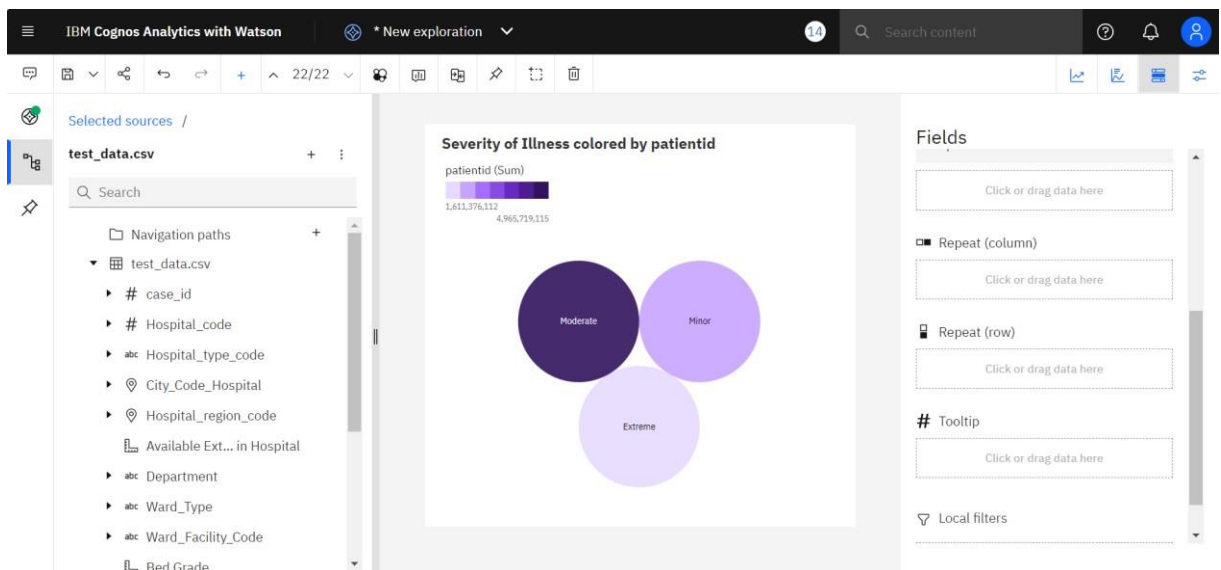
Patient ID with Hospital_Code



Ward Facility Code by Hospital region code



Severity of illness with patient ID:



Ward Type with patient ID

Ward_Type and patientid

patientid	Ward_Type
74,641	U
44,496,794	T
141,226,952	P
2,188,942,517	S
3,007,314,459	Q
3,646,972,459	R

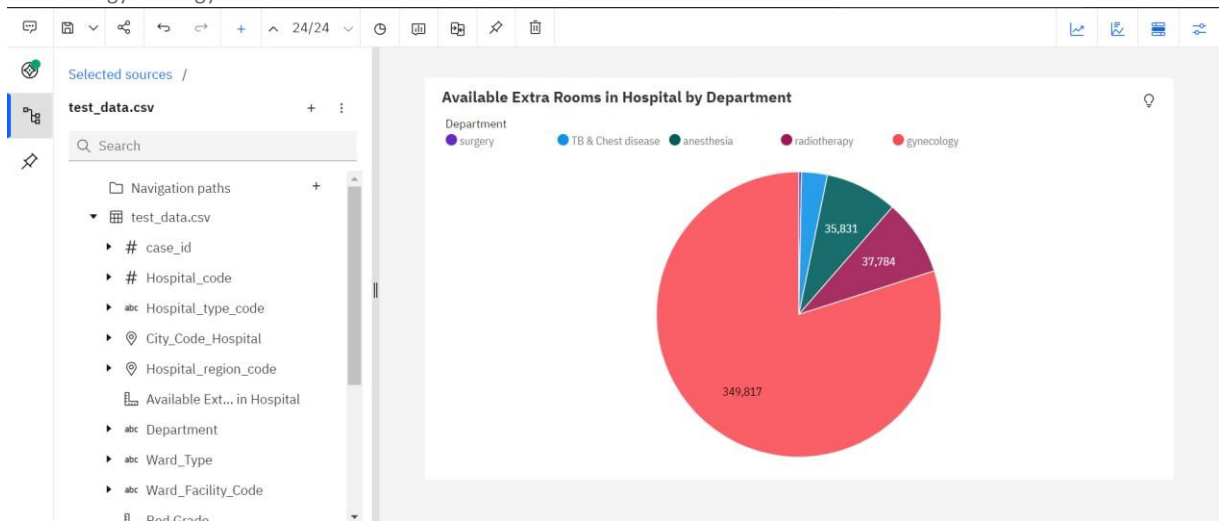
Available Extra Rooms in Hospital by Department

35,83137,784349,817

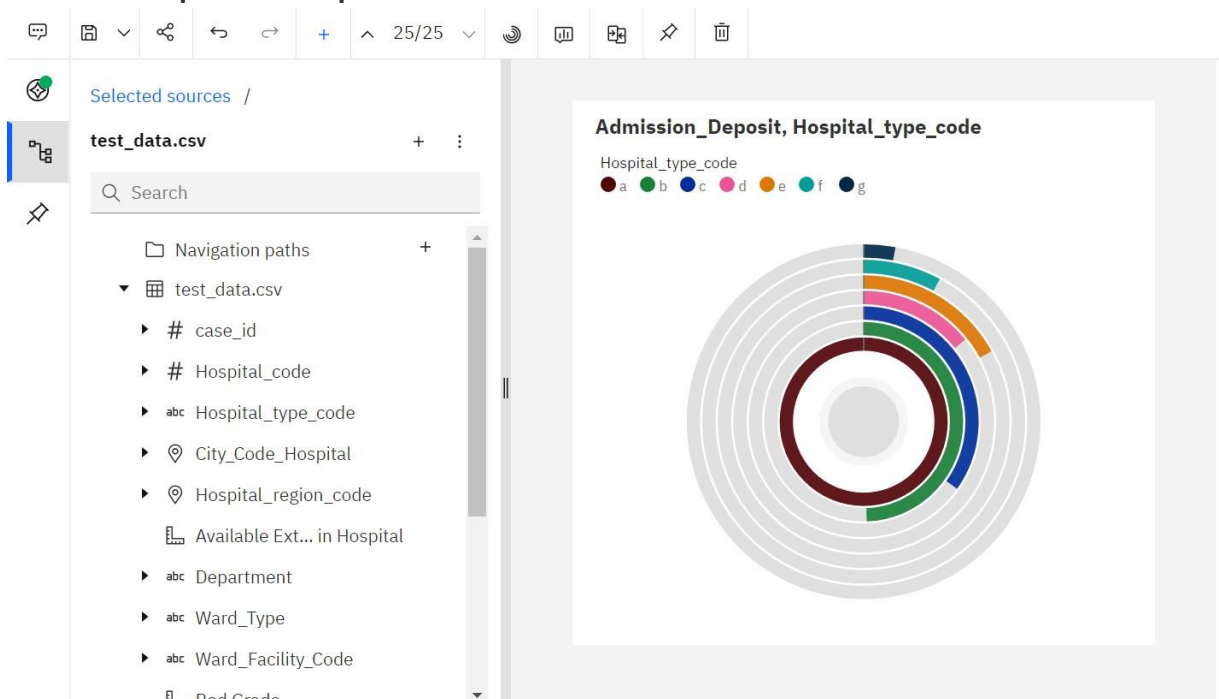
Department

- surgery

- TB & Chest disease
- anesthesia
- radiotherapy
- gynecology



Admission Deposit to Hospital



Link:

https://eu1.ca.analytics.ibm.com/bi/?perspective=explore&pathRef=.my_folders%2FSprint%2B2&subView=model000001844d35362c_00000004