Project Development Phase
Sprint - 1

Date	23 October 2022
Team ID	PNT2022TMID14777
Project Name	Project - Analytics for hospitals health care data

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Roll no: 7179KCTKCTKCTKCTKCTKCTKCT19BCS031

Project Development Phase:

Sprint-1:

- Data Collection
- Data Preparation

Sprint-2:

- Data Exploration

Sprint-3:

- Dashboard Creation

Sprint-4:

- Report Creation
- Story Creation

Analytics for Hospital's Health Care Data

TEAM LEAD : JANANI M
TEAM MEMBER 1 : KAVIPRIYA T
TEAM MEMBER 2 : SADHASIVAM S
TEAM MEMBER 3 : MANJEET SINGH

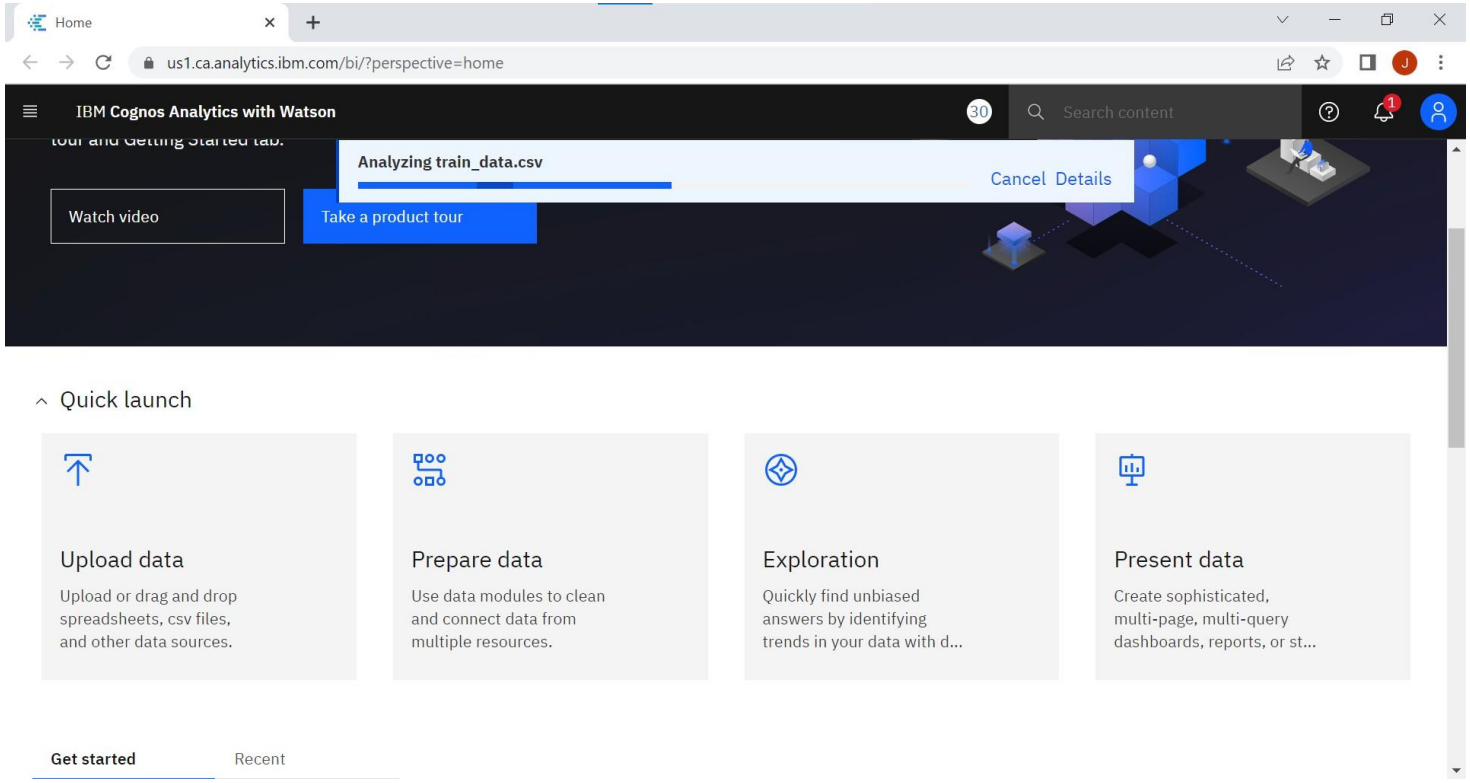
TEAM ID : PNT2022TMID14777

Sprint-1

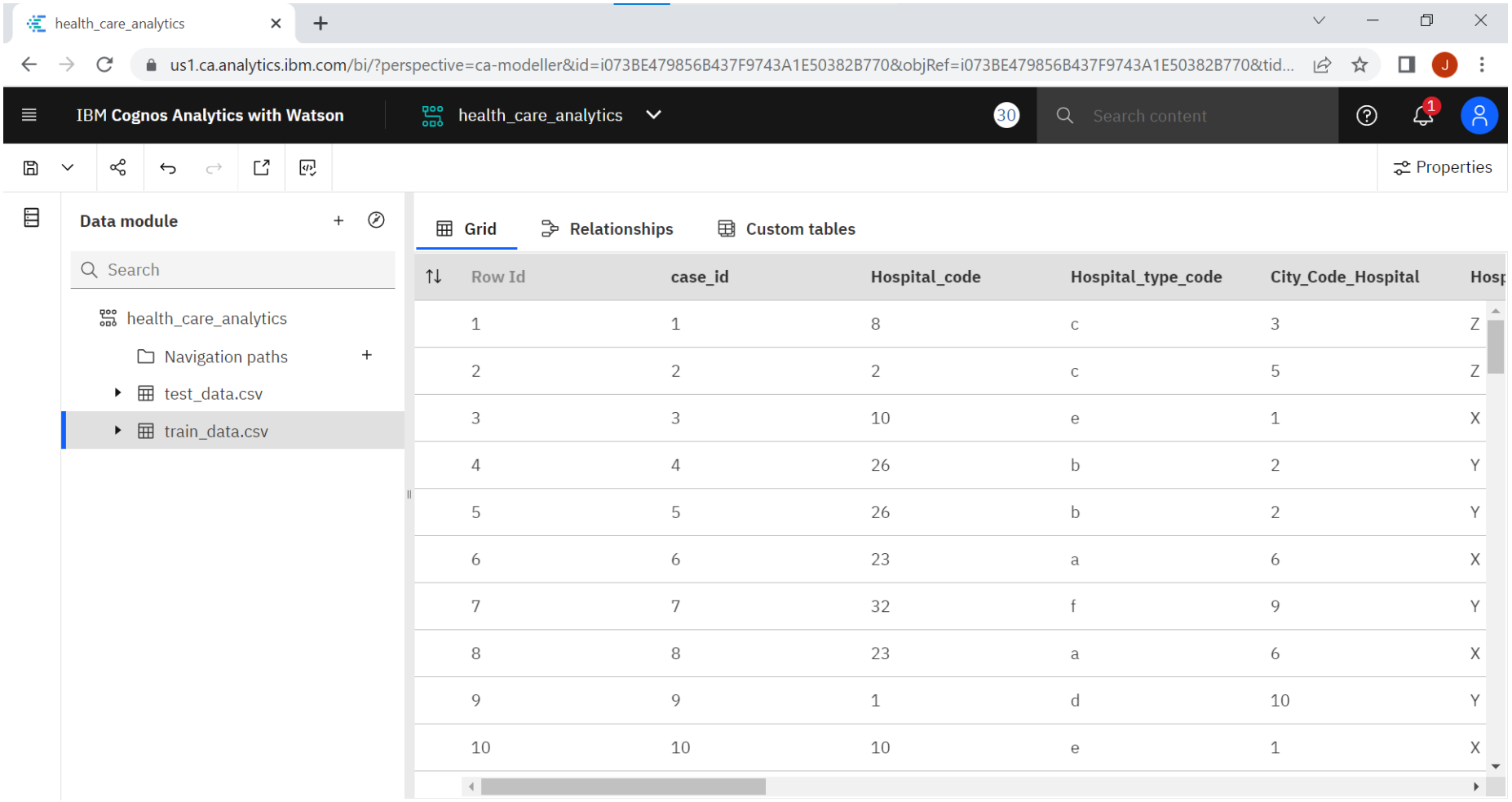
Data Collection

Downloading the Dataset link :
https://drive.google.com/drive/folders/1qozDgfVw04hGS8Di_SFhUNdUKUdjkhrT?usp=sharing

Tool used for uploading the dataset : IBM Cognos Analytics

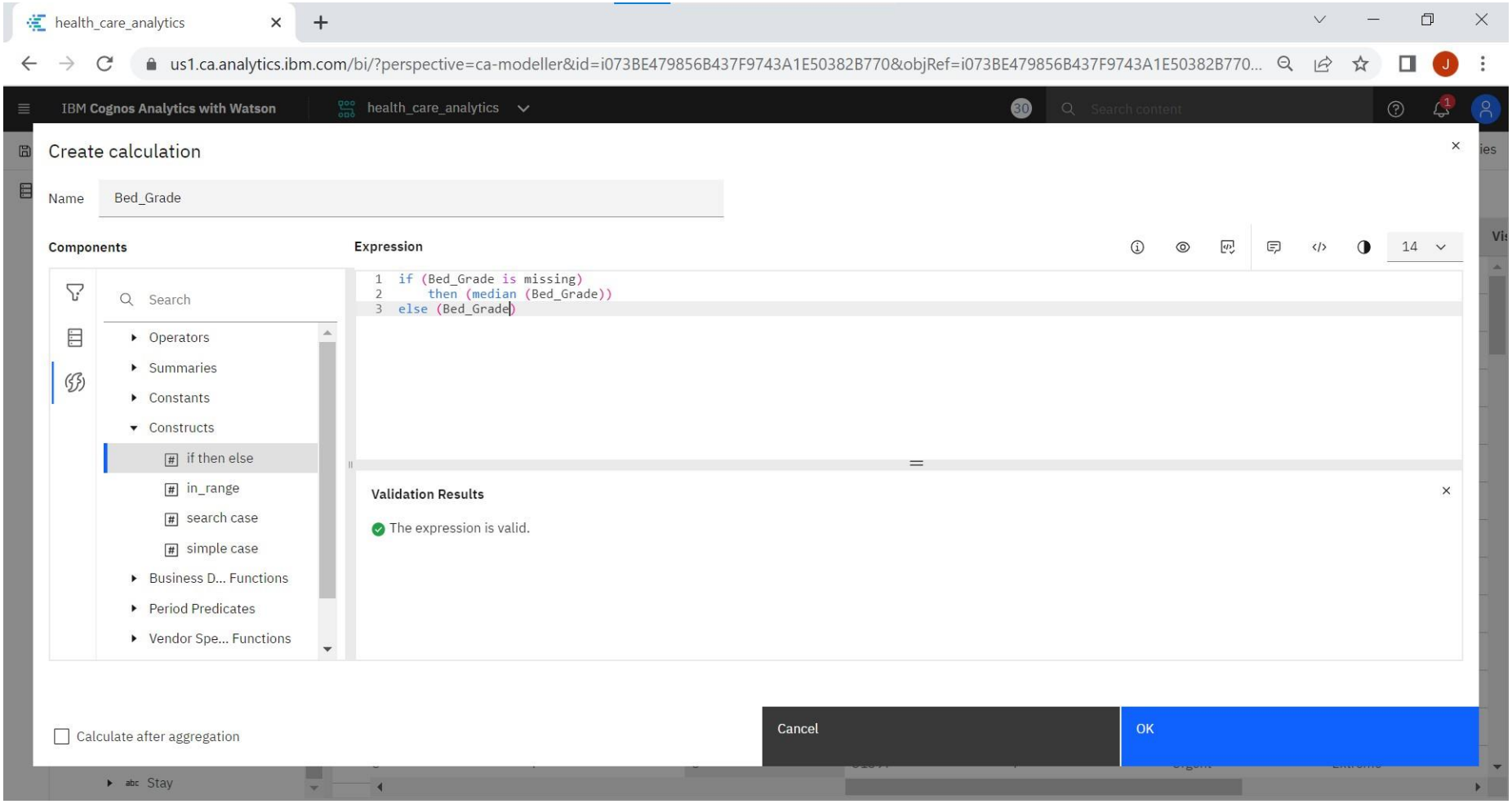


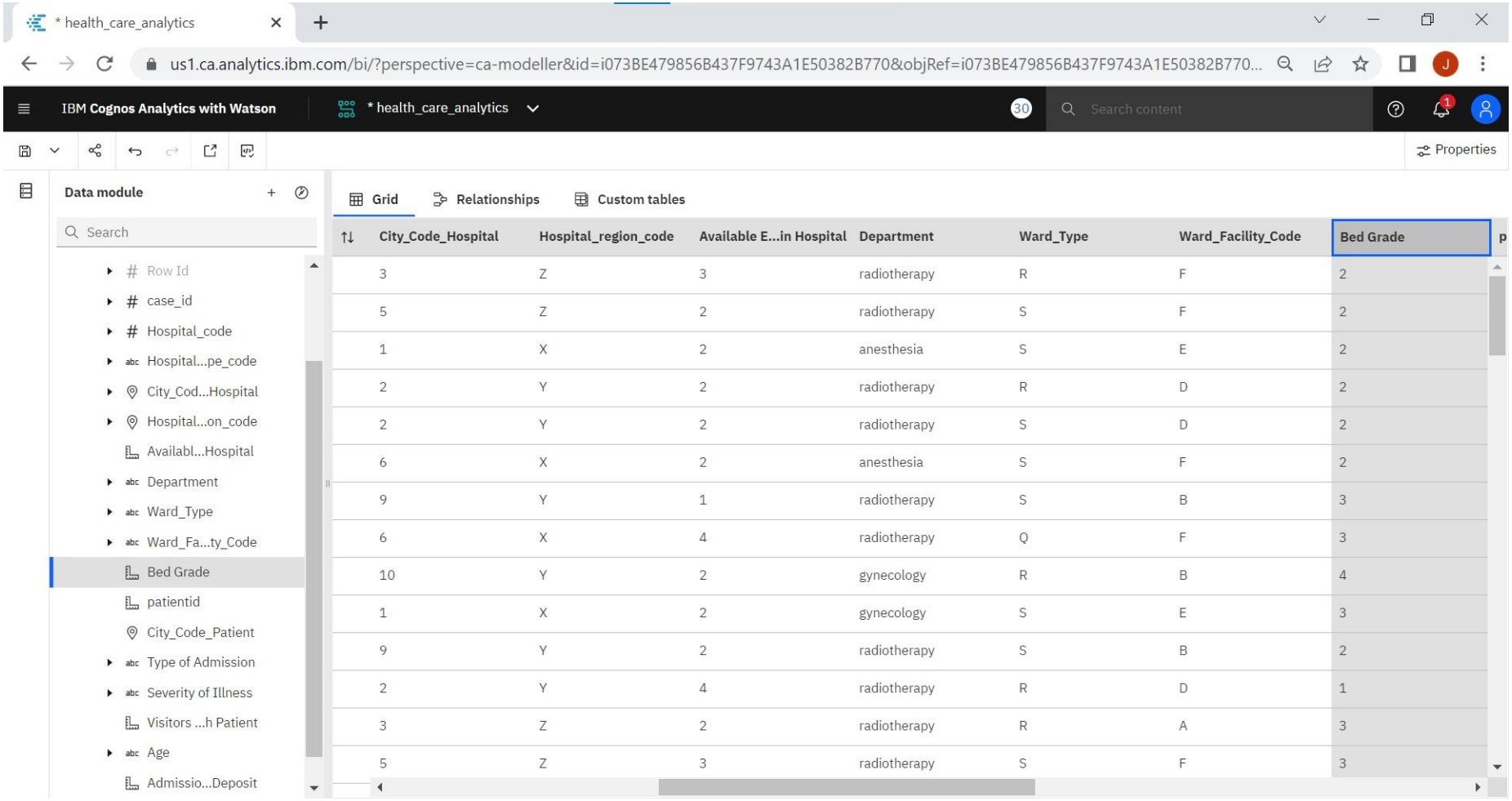
Data Preparation



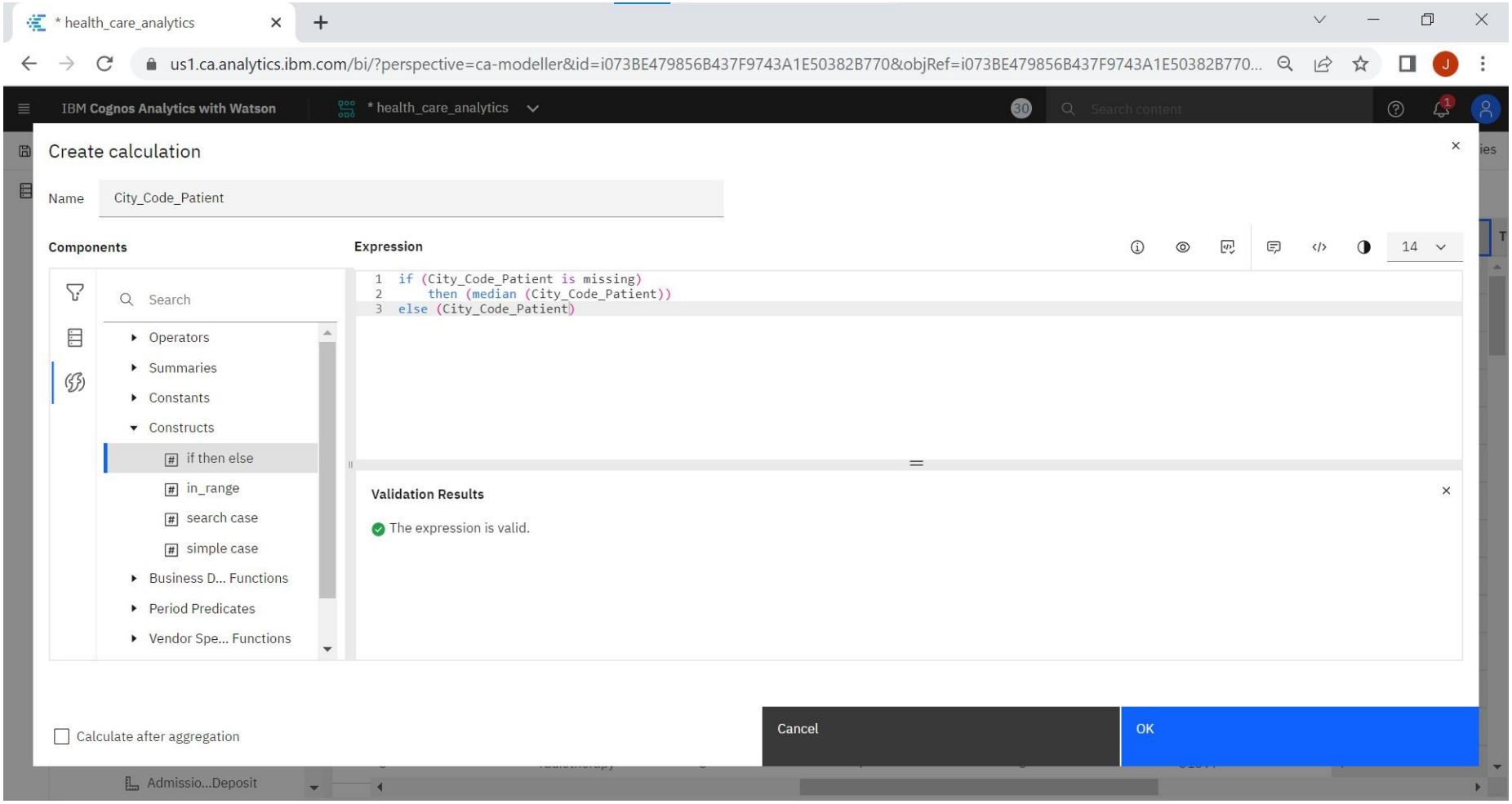
Row Id	case_id	Hospital_code	Hospital_type_code	City_Code_Hospital	Hosp
1	1	8	c	3	Z
2	2	2	c	5	Z
3	3	10	e	1	X
4	4	26	b	2	Y
5	5	26	b	2	Y
6	6	23	a	6	X
7	7	32	f	9	Y
8	8	23	a	6	X
9	9	1	d	10	Y
10	10	10	e	1	X

Handling missing values





City_Code_Hospital	Hospital_region_code	Available E...in Hospital	Department	Ward_Type	Ward_Facility_Code	Bed Grade	p
3	Z	3	radiotherapy	R	F	2	
5	Z	2	radiotherapy	S	F	2	
1	X	2	anesthesia	S	E	2	
2	Y	2	radiotherapy	R	D	2	
2	Y	2	radiotherapy	S	D	2	
6	X	2	anesthesia	S	F	2	
9	Y	1	radiotherapy	S	B	3	
6	X	4	radiotherapy	Q	F	3	
10	Y	2	gynecology	R	B	4	
1	X	2	gynecology	S	E	3	
9	Y	2	radiotherapy	S	B	2	
2	Y	4	radiotherapy	R	D	1	
3	Z	2	radiotherapy	R	A	3	
5	Z	3	radiotherapy	S	F	3	


* health_care_analytics
us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=i073BE479856B437F9743A1E50382B770&objRef=i073BE479856B437F9743A1E50382B770...
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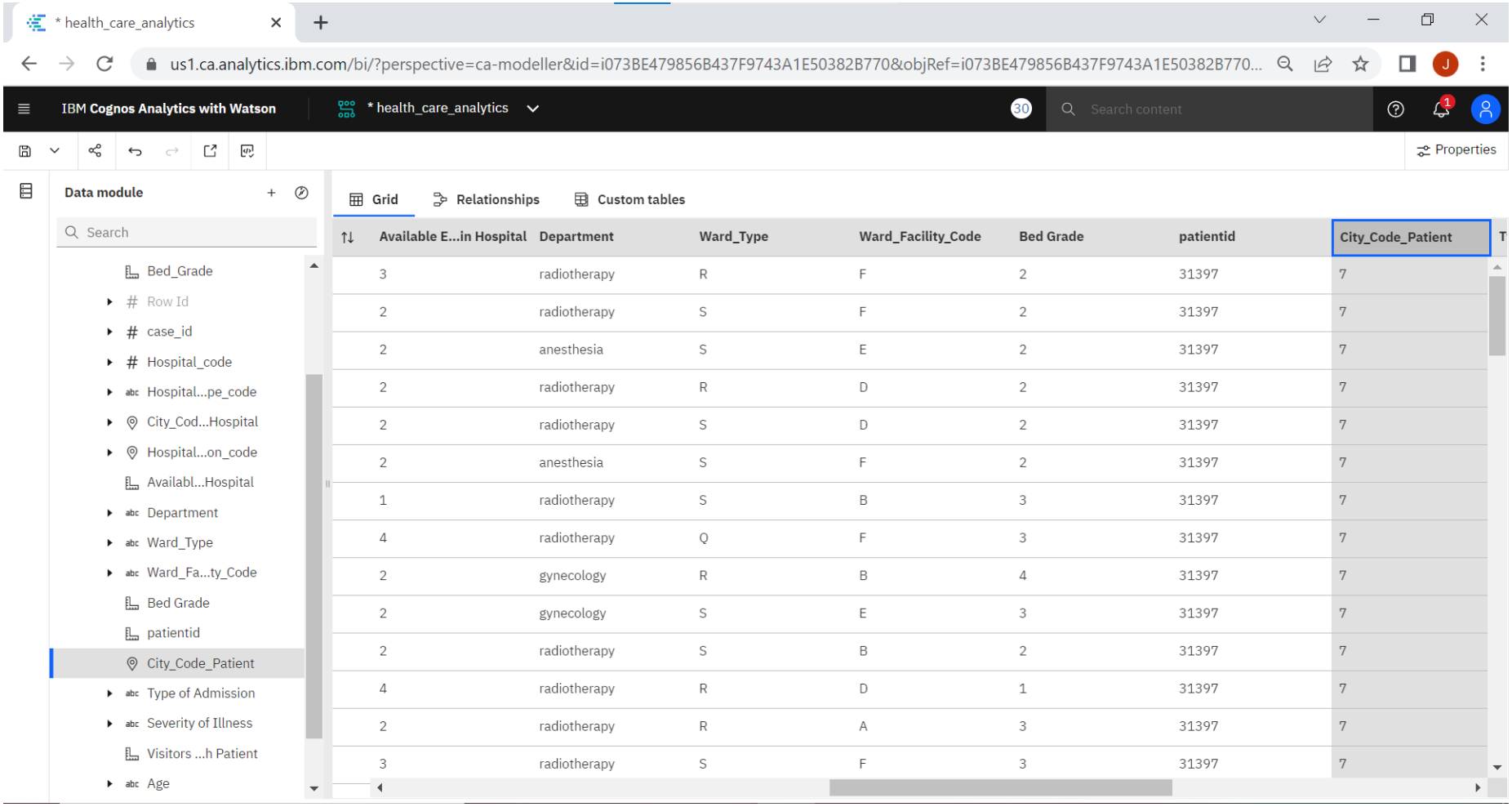
* health_care_analytics
Search content
Create calculation
Name
City_Code_Patient
Components
Expression
14
Search
Operators
Summaries
Constants
Constructs
if then else
in_range
search case
simple case
Business D... Functions
Period Predicates
Vendor Spe... Functions
1 if (City_Code_Patient is missing)
2 then (median (City_Code_Patient))
3 else (City_Code_Patient)
Validation Results
The expression is valid.
Calculate after aggregation
Cancel
OK
Admissio...Deposit


* health_care_analytics
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* health_care_analytics
Search content
Properties
Data module
Search
Grid
Relationships
Custom tables
Bed_Grade
Row Id
case_id
Hospital_code
Hospital...pe_code
City_Cod...Hospital
Hospital...on_code
Availabl...Hospital
Department
Ward_Type
Ward_Fa...ty_Code
Bed Grade
patientid
City_Code_Patient
Type of Admission
Severity of Illness
Visitors ...h Patient
Age
Available E...in Hospital
Department
Ward_Type
Ward_Facility_Code
Bed Grade
patientid
City_Code_Patient
3 radiotherapy R F 2 31397 7
2 radiotherapy S F 2 31397 7
2 anesthesia S E 2 31397 7
2 radiotherapy R D 2 31397 7
2 radiotherapy S D 2 31397 7
2 anesthesia S F 2 31397 7
1 radiotherapy S B 3 31397 7
4 radiotherapy Q F 3 31397 7
2 gynecology R B 4 31397 7
2 gynecology S E 3 31397 7
2 radiotherapy S B 2 31397 7
4 radiotherapy R D 1 31397 7
2 radiotherapy R A 3 31397 7
3 radiotherapy S F 3 31397 7

Data Preparation Link:

https://us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&pathRef=.my_folders%2Fhealth_care_analytics