

ANALYTICS FOR HOSPITALS' HEALTH CARE-DATA

PROJECT DEVELOPMENT PHASE

SPRINT 1

Team Id:PNT2022TMID04542

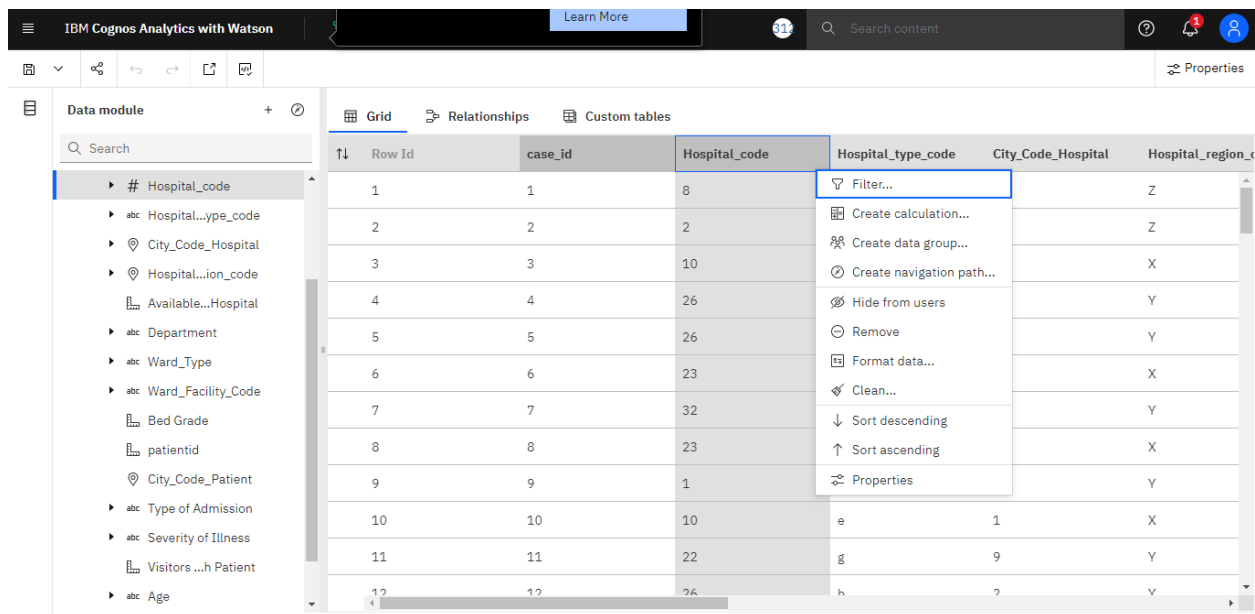
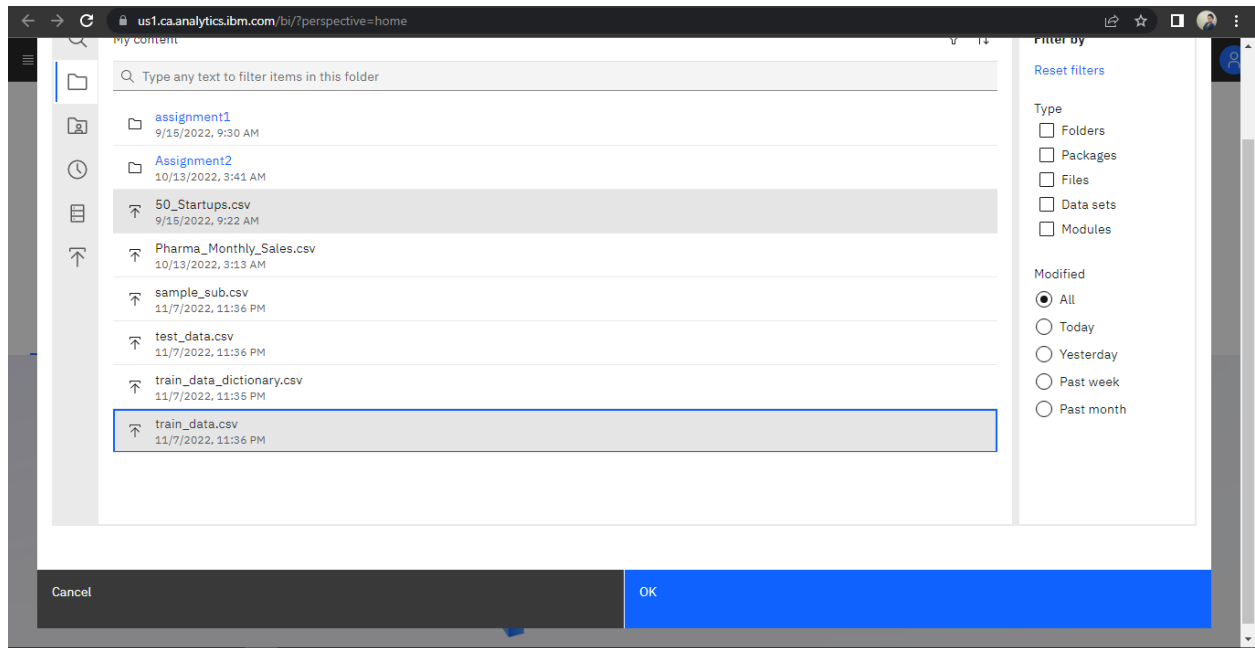
STEP 1:

Collecting and Uploading the dataset into IBM Cognos Analytics.

The screenshot displays the IBM Cognos Analytics with Watson interface. The top navigation bar includes a hamburger menu, the title 'IBM Cognos Analytics with Watson', a notification bell, a search bar labeled 'Search content', and a user profile icon. Below the navigation bar, there are four main action cards: 'Upload data' (with subtext 'Upload or drag and drop spreadsheets, csv files, and other data sources.'), 'Prepare data' (with subtext 'Use data modules to clean and connect data from multiple resources.'), 'Exploration' (with subtext 'Quickly find unbiased answers by identifying trends in your data with data explor...'), and 'Present data' (with subtext 'Create sophisticated, multi-page, multi-query dashboards, reports, or stori...').

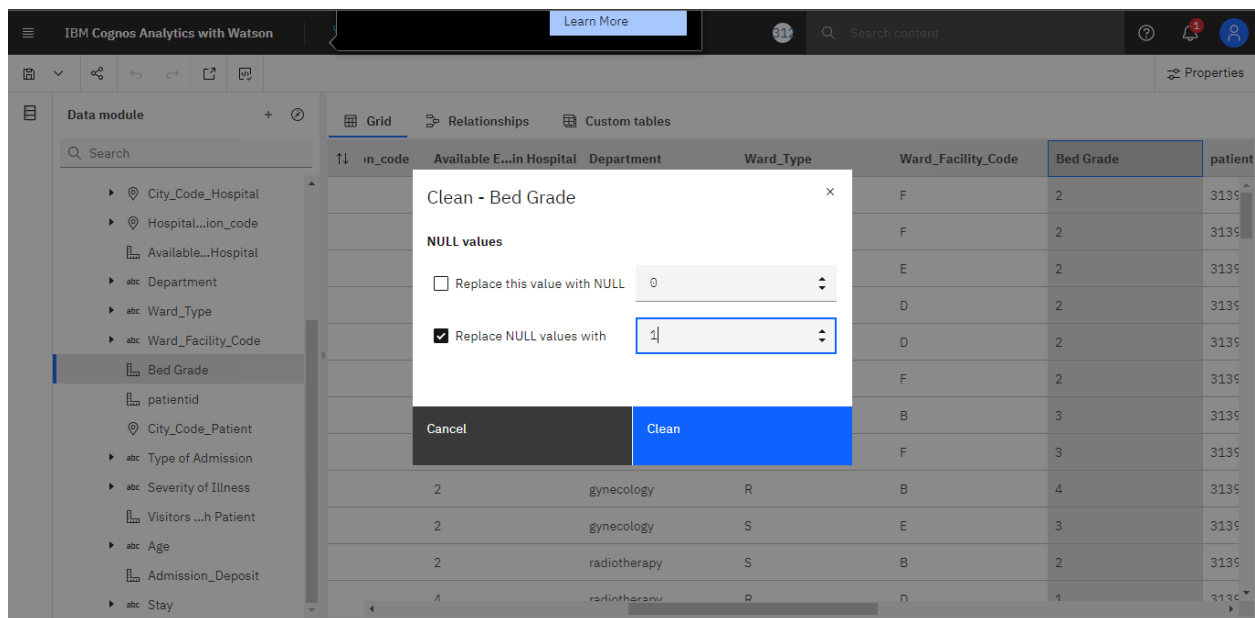
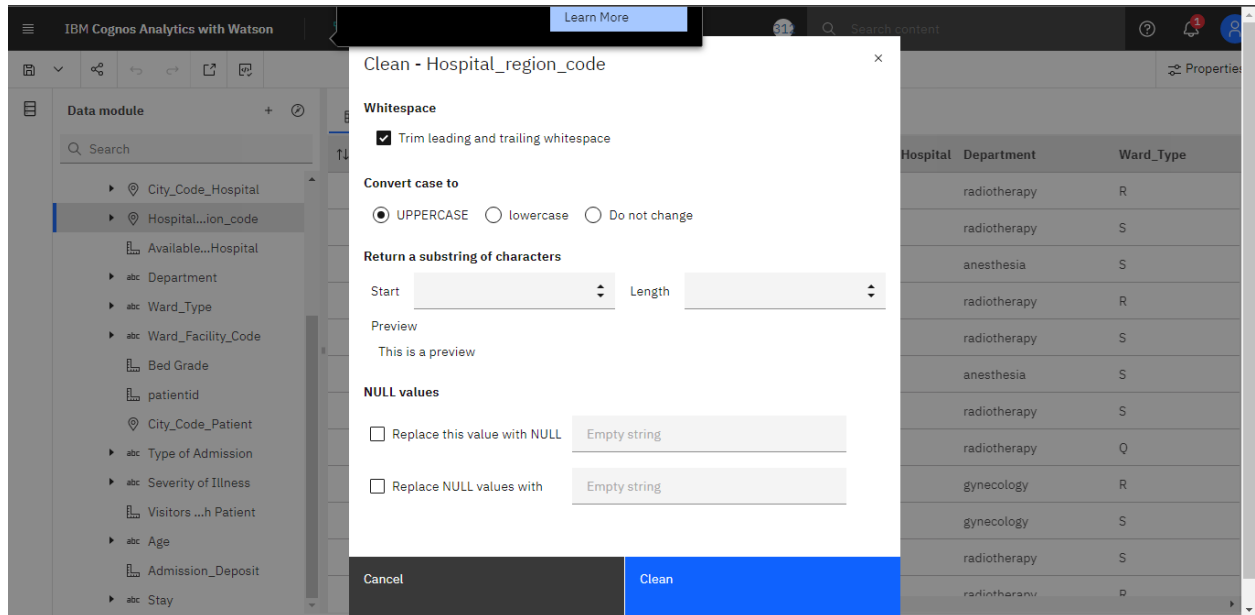
Below these cards, there are two tabs: 'Get started' and 'Recent'. The 'Recent' tab is active, showing a list of recently uploaded files. The list has columns for 'Name', 'Location', 'Type', and 'Last Accessed'. There are four rows of data, each representing a CSV file uploaded to 'My content' on 11/7/2022 at 11:36 PM.

| <input type="checkbox"/> | Name | Location | Type | Last Accessed |
|--------------------------|--|------------|---------------|---------------------|
| <input type="checkbox"/> | train_data.csv CSV | My content | Uploaded file | 11/7/2022, 11:36 PM |
| <input type="checkbox"/> | test_data.csv CSV | My content | Uploaded file | 11/7/2022, 11:36 PM |
| <input type="checkbox"/> | sample_sub.csv CSV | My content | Uploaded file | 11/7/2022, 11:36 PM |
| <input type="checkbox"/> | train_data_dictionary.csv CSV | My content | Uploaded file | 11/7/2022, 11:36 PM |



STEP 2:

Data Cleaning and Processing using IBM Cognos Analytics.



IBM Cognos Analytics with Watson

Learn More

Search content

Data module

Search

- City_Code_Hospital
- Hospital...ion_code
- Available...Hospital
- Department
- Ward_Type
- Ward_Facility_Code
- Bed Grade
- patientid
- City_Code_Patient
- Type of Admission
- Severity of Illness
- Visitors ...h Patient
- Age
- Admission_Deposit
- Stay

Clean - Stay

Whitespace

☒ Trim leading and trailing whitespace

Convert case to

☐ UPPERCASE ☐ lowercase ☒ Do not change

Return a substring of characters

Start Length

Preview

This is a preview

NULL values

☐ Replace this value with NULL

☒ Replace NULL values with

Cancel Clean

| Admission_Deposit | Stay |
|-------------------|-------|
| 4911 | 0-10 |
| 5954 | 41-50 |
| 4745 | 31-40 |
| 7272 | 41-50 |
| 5558 | 41-50 |
| 4449 | 11-20 |
| 6167 | 0-10 |
| 5571 | 41-50 |
| 7223 | 51-60 |
| 6056 | 31-40 |
| 5797 | 21-30 |
| 5993 | 11-20 |

IBM Cognos Analytics with Watson

Learn More

Search content

Data module

Search

- City_Code_Hospital
- Hospital...ion_code
- Available...Hospital
- Department
- Ward_Type
- Ward_Facility_Code
- Bed Grade
- patientid
- City_Code_Patient
- Type of Admission
- Severity of Illness
- Visitors ...h Patient
- Age
- Admission_Deposit
- Stay

Data format

Column: Visitors with Patient

Format type: Number

① Number of decimal places: 0

① Negative sign symbol: Default

① Use thousands separator: Default

① Negative sign position: Default

① Missing value characters: 1

Advanced options Reset properties

| Admission_Deposit | Stay |
|-------------------|-------|
| 911 | 0-10 |
| 954 | 41-50 |
| 745 | 31-40 |
| 272 | 41-50 |
| 558 | 41-50 |
| 449 | 11-20 |
| 167 | 0-10 |
| 571 | 41-50 |
| 223 | 51-60 |
| 056 | 31-40 |
| 797 | 21-30 |
| 993 | 11-20 |