

PHASE 3: DEVELOPMENT PART 1

ABSTRACT:

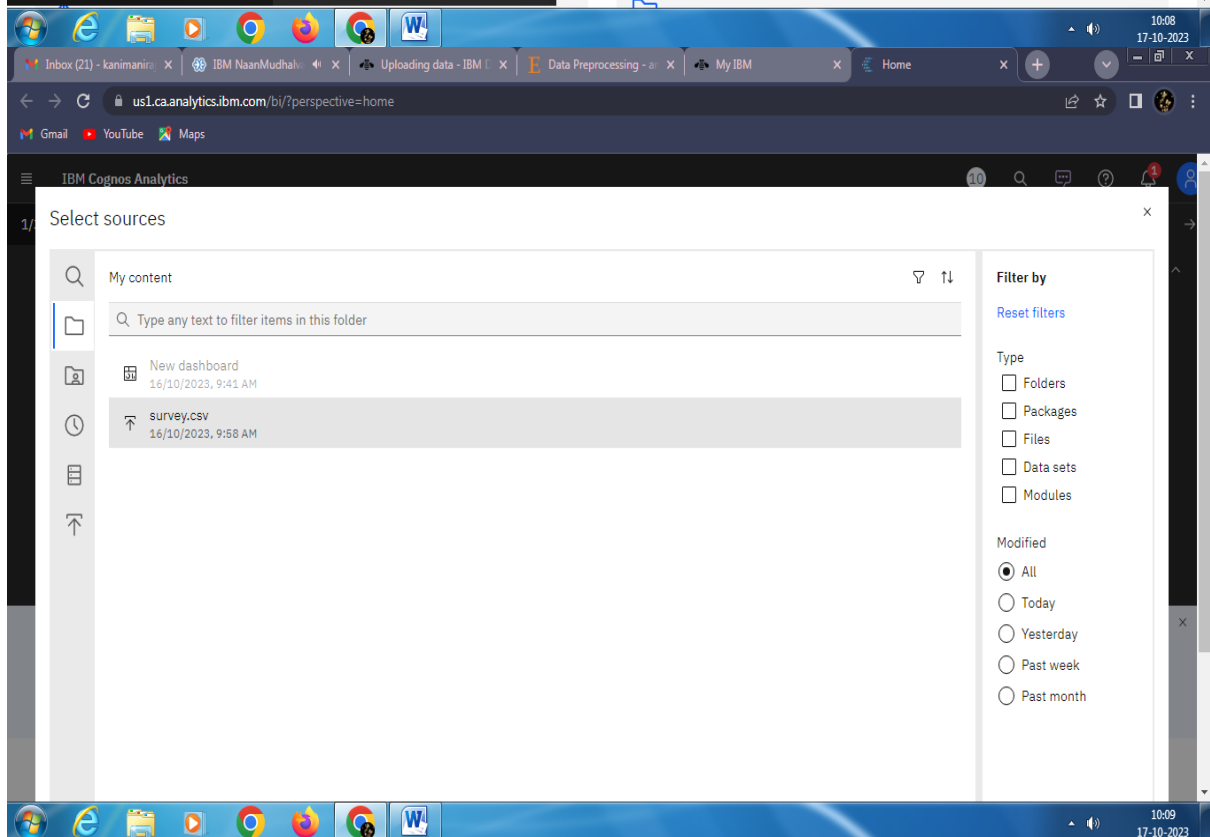
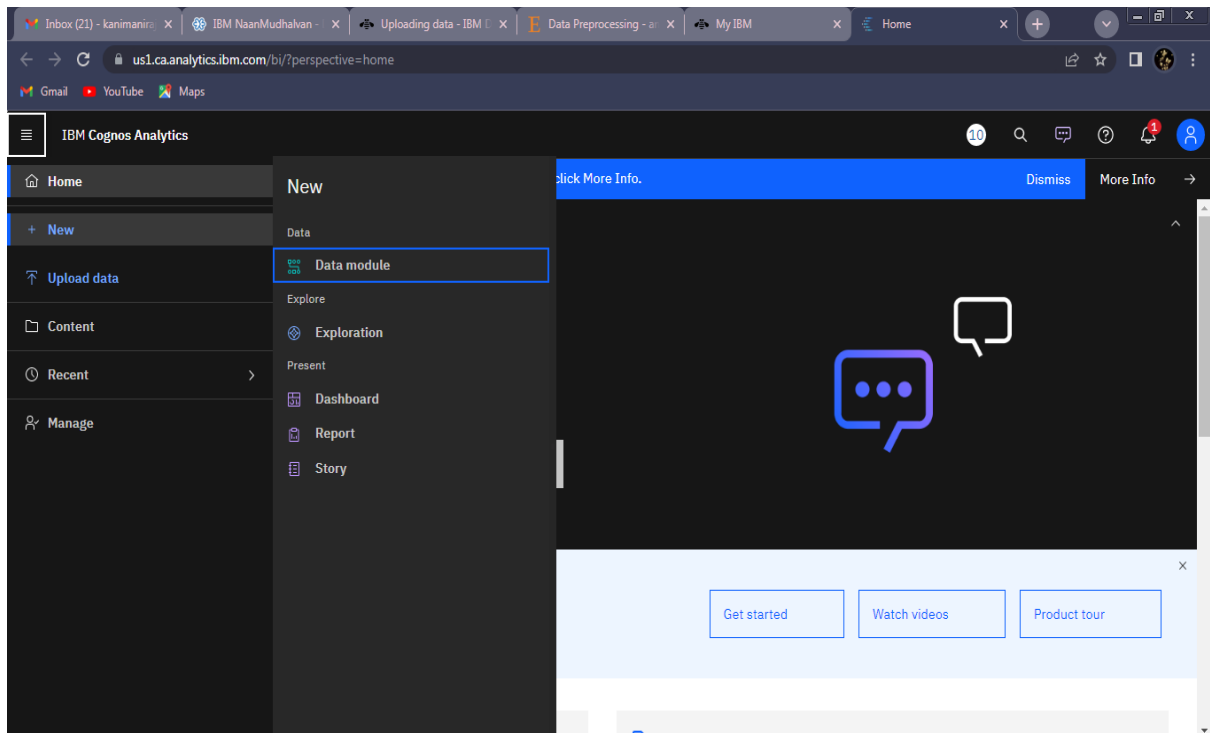
In the realm of data analytics, visualization is the tool that transforms information into actionable intelligence. Data visualization uses charts, graphs, and interactive dashboards to represent information visually. It works as the bridge between the complexities of raw data and the human mind. With the right visualizations, you can communicate intricate findings in a way that's accessible to everyone, regardless of their technical background.

EXPLANATION:

PREPROCESSING THE DATA SET:

Data pre-processing is the concept of changing the raw data into a clean data set. The dataset is pre-processed in order to check missing values, noisy data, and other inconsistencies before executing it to the algorithm.

We have already completed the process of pre-processing the data using jupyter in phase 2. By uploading the dataset and saving it as data module and visualize the data using IBM Cognos analytics the development part 1 is done.



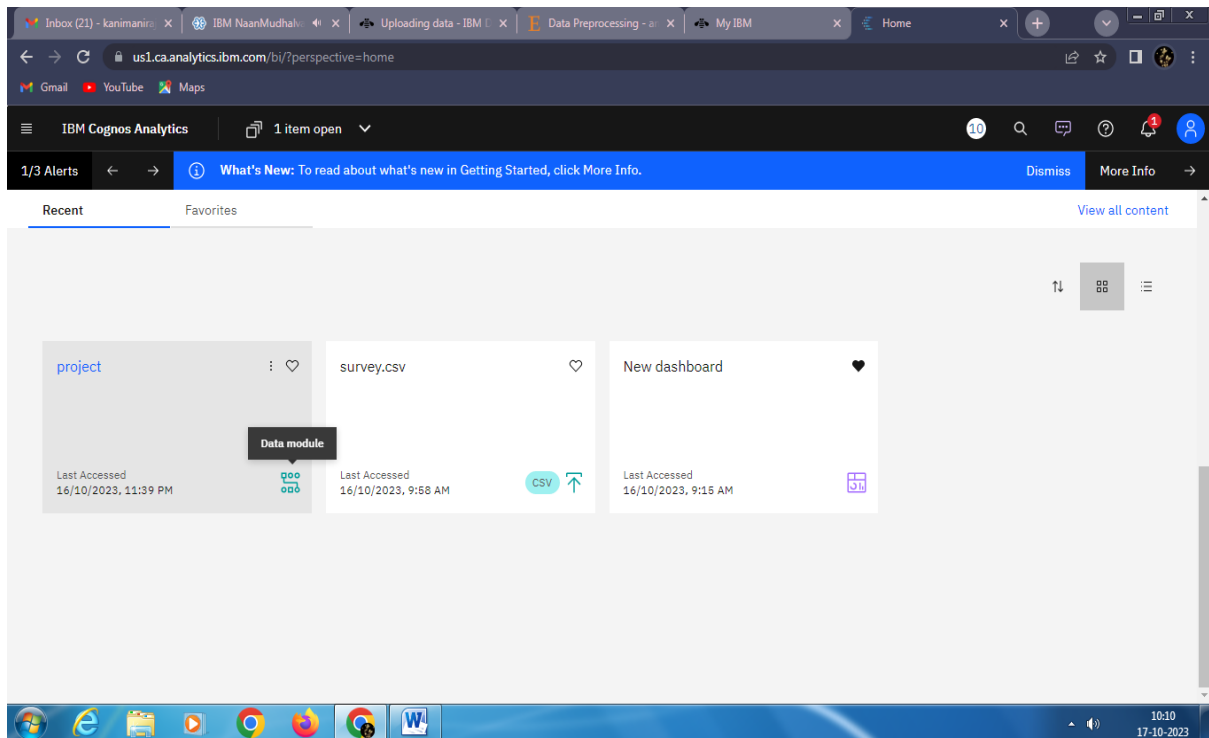
IBM Cognos Analytics interface showing a data module named "survey.csv" with columns: Row Id, Timestamp, Age, Gender, Country, state.

The "Timestamp" column is highlighted in the "Data module" pane.

A "Save as" dialog box is open, showing the selected destination "My content" and a list of items:

Name	Type	Last Modified
New dashboard	Dashboard	16/10/2023, 9:41 AM
survey.csv	Uploaded file	16/10/2023, 9:58 AM

The "Save" button is highlighted in blue.



VISUALIZATION:

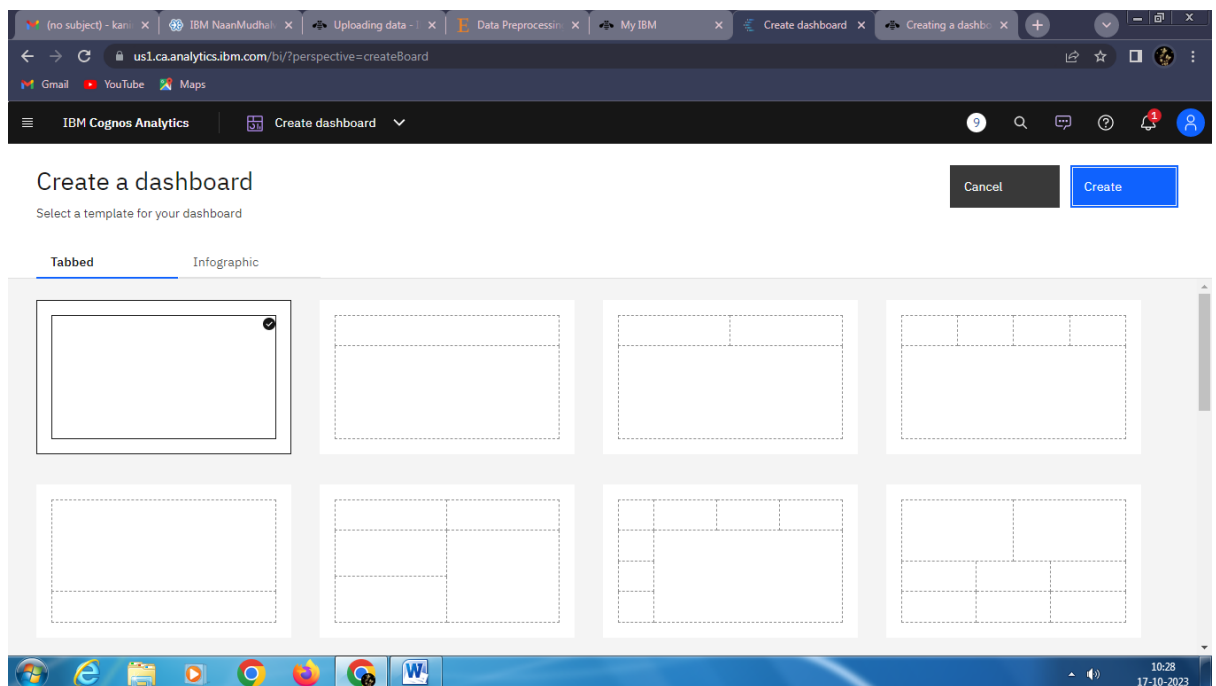
STEP 1: UPLOADING THE DATA SET:

- Login into IBM Cognos Analytics.
- Launch the product IBM Cognos Analytics on cloud-Trial.
- Click upload data and start creating content.
- Now drag or drop the Survey.csv (dataset file) and upload the file.

STEP 2: ADDING A DASHBOARD TO THE ANALYTICS PROJECT:

- Click **Add to project > Dashboard editor** from the

- Project toolbar, or click **new dashboard** from the Dashboards section on the project's **Assets** page. Create a blank dashboard or upload a dashboard from the file system. The dashboard file must be a *.json* file.
- Type a name and description for the dashboard.
- Select one of the provided templates that contain predefined designs and grid lines for easy arrangement and alignment of the visualizations. A new empty dashboard opens.



- Create visualizations of the source data.

STEP3: VISUALISE USING ANALYTICS

OBJECTIVES:

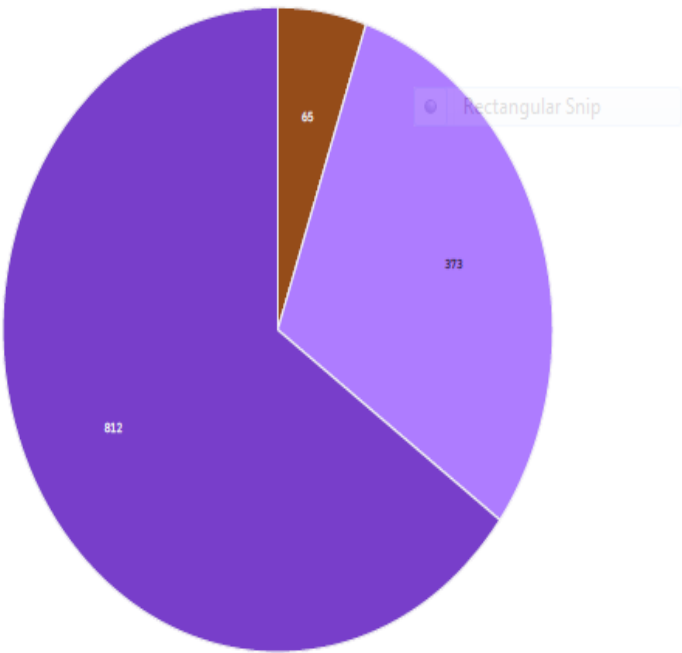
MEASURING AUDIENCE REACH:

The right to health includes a right of access to good quality palliative care, but inequalities persist. Raising awareness is a key plank of the public health approach to palliative care, but involves consideration of subjects

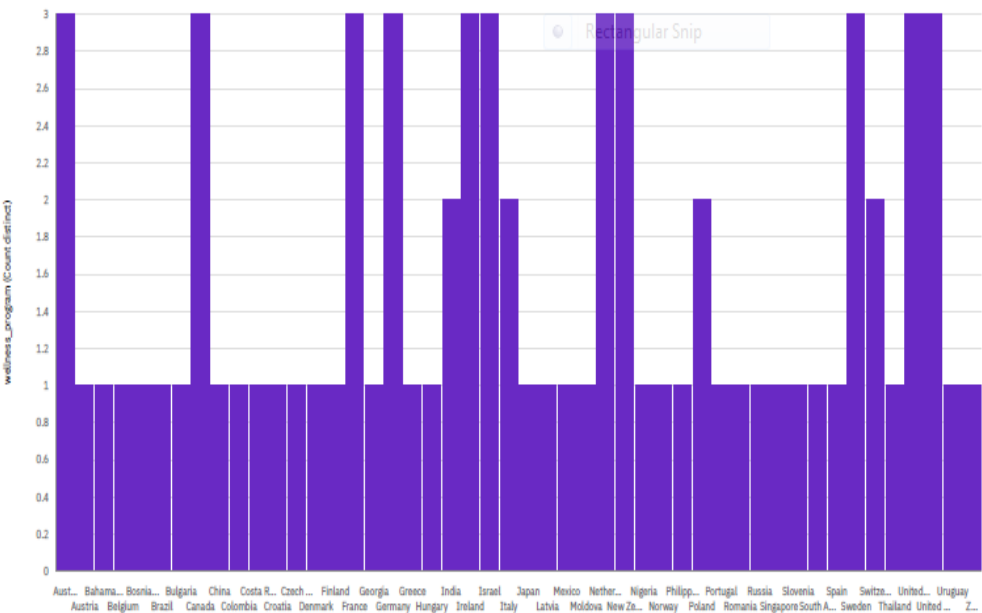
most of us prefer not to address. This review addresses the question: "do public health awareness campaigns effectively improve the awareness and quality of palliative care"?

Timestamp by anonymity

anonymity
No Yes Don't know



wellness_program by Country



AWARENESS LEVEL:

1. Start young most research on advance cares planning involves people over the age of 65. There is now a trend toward involving and educating much younger people, so that they are better prepared to deal with the issues in their families and communities. One study looks at university students in the United States and recommends that an important aspect of public health is providing reliable information about advance care planning to all young people.

2. An evaluation of TV advertisements about health promotion aimed at older adults showed that recipients were generally distrustful of the information if they perceived that it had been provided by the “government”. Professionals such as doctors or celebrities (e.g., Olympic stars) were seen as more trustworthy.

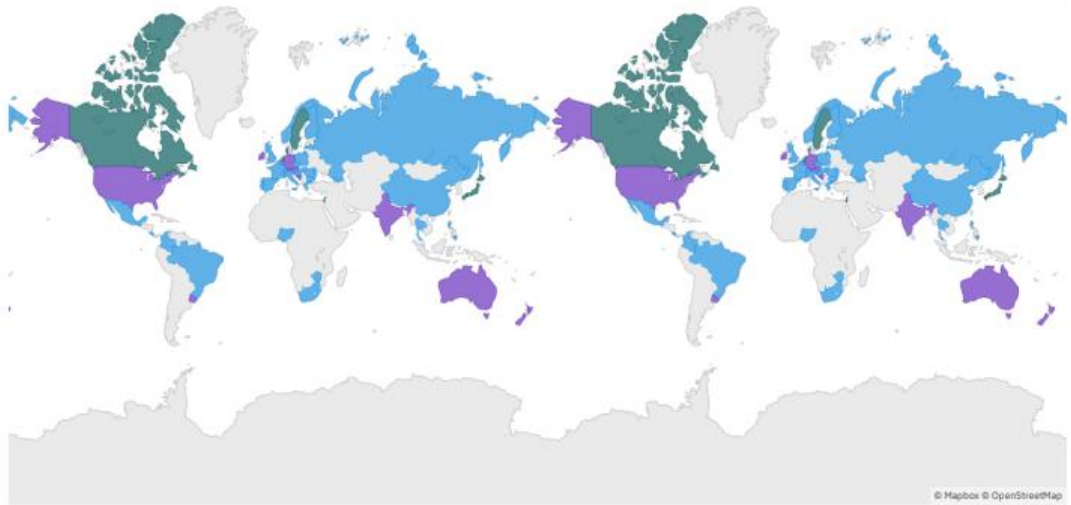
3. Social media has the potential to increase engagement with healthcare issues and enable debate and discussion, as well as create virtual social networks.

4. Younger people prefer to receive health information through the internet or other electronic means, while older people prefer the newspapers.

Tab 2

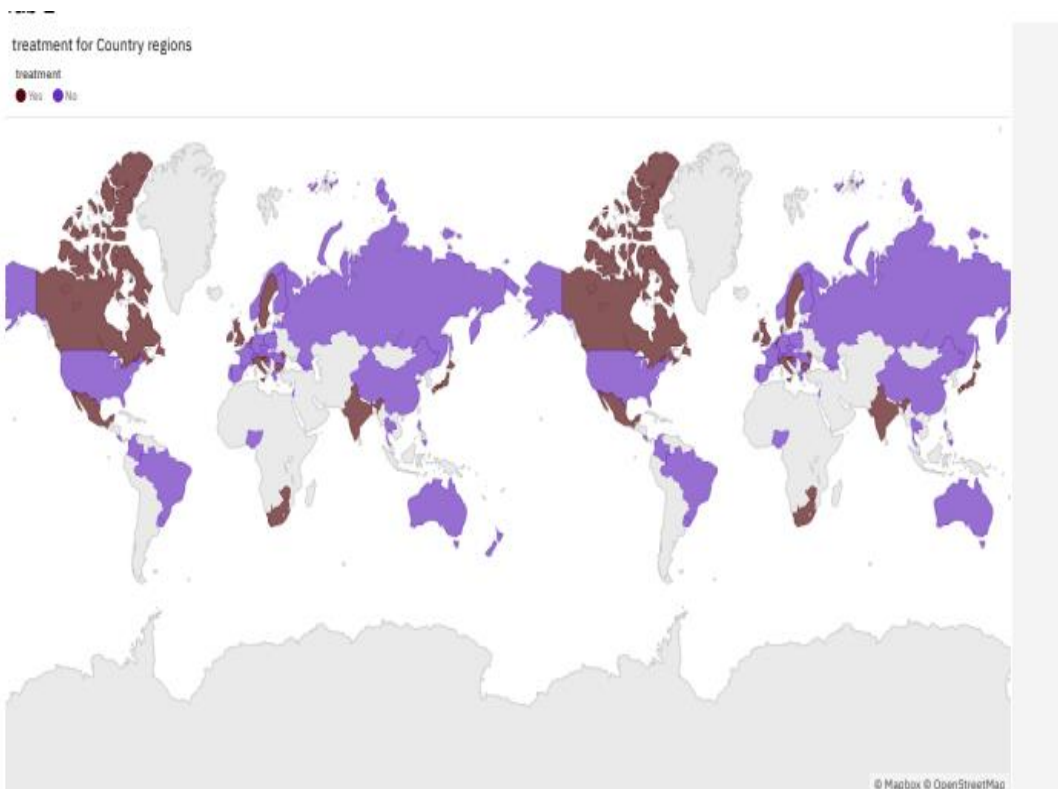
wellness_program for Country regions

wellness_program
● Don't know ● No ● Yes



CAMPAIGN IMPACT:

The evidence shows that public awareness campaigns can improve awareness of palliative care and probably improve quality of care, but there is a lack of evidence about the latter.



CONCLUSION:

Here in our phase 3 projects, we have made visualization models with timestamp by anonymity plot for measuring the audience reach, wellness program by country plot for finding the awareness level and finally treatment by country plot for finding the campaign impact.

Data visualization is not just about creating aesthetically pleasing charts and graphs, it's a powerful tool for understanding complex information, identifying patterns, and making informed decisions. Through the visual representation of data, we can uncover insights, communicate findings more effectively, and drive meaningful action.