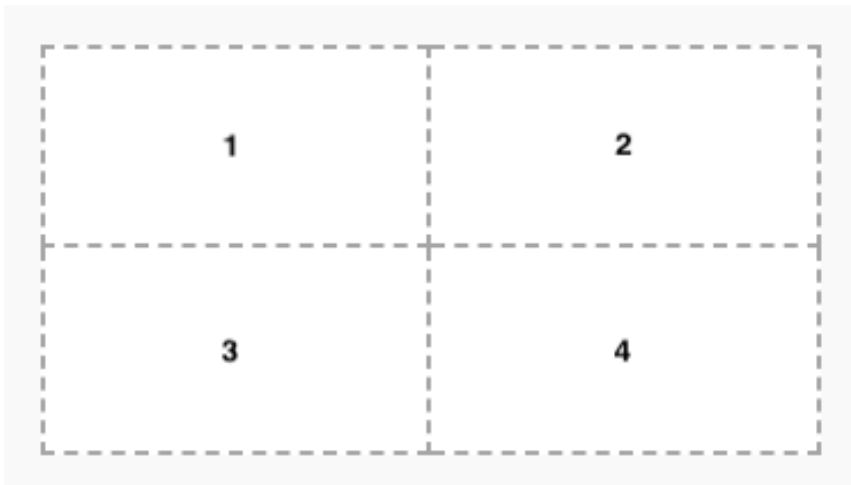


# Guidelines for the Submission

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1. Download the 2 files [m5\\_survey\\_data\\_demographics.csv](#) and [m5\\_survey\\_data\\_technologies\\_normalised.csv](#). Upload these 2 CSV files as data assets to your project Cognos Analytics.
2. Create 3 dashboards (**3 separate tabs under a single dashboard**) as follows:
  - One dashboard using the 2 x 2 rectangle areas tabbed template - rename this dashboard tab to **Current Technology Usage**.
  - One dashboard using the 2 x 2 rectangle areas tabbed template - rename this dashboard tab to **Future Technology Trend**.
  - One dashboard using the 2 x 2 rectangle areas tabbed template - rename this dashboard tab to **Demographics**.



3. On the **Current Technology Usage** dashboard tab, use the data asset [m5\\_survey\\_data\\_technologies\\_normalised.csv](#) and capture the following metrics as visualizations:
  - In the first rectangle (**Panel 1**):
    - Capture **Top 10 LanguageWorkedWith**.
    - Visualize as a **Bar chart**.
    - Utilize **Bars, Length, Color** fields of Bar chart.
    - Include **Show value labels** feature.
    - Include a proper **Chart title**.
  - In the second rectangle (**Panel 2**):
    - Capture **Top 10 DatabaseWorkedWith**.
    - Visualize as a **Column chart**.
    - Utilize **Bars, Length, Color** fields of Column chart.
    - Include **Show value labels** feature.
    - Include a proper **Chart title**.
  - In the third rectangle (**Panel 3**):
    - Capture **PlatformWorkedWith**.
    - Visualize as a **Word cloud chart**.
    - Utilize **Words, Size, Color** fields of Word cloud chart.
    - Include a proper **Chart title**.
  - In the fourth rectangle (**Panel 4**):
    - Capture **Top 10 WebFrameWorkedWith**.
    - Visualize as a **Hierarchy bubble chart**.
    - Utilize **Bubbles, Size, Color** fields of Hierarchy bubble chart.
    - Include a proper **Chart title**.

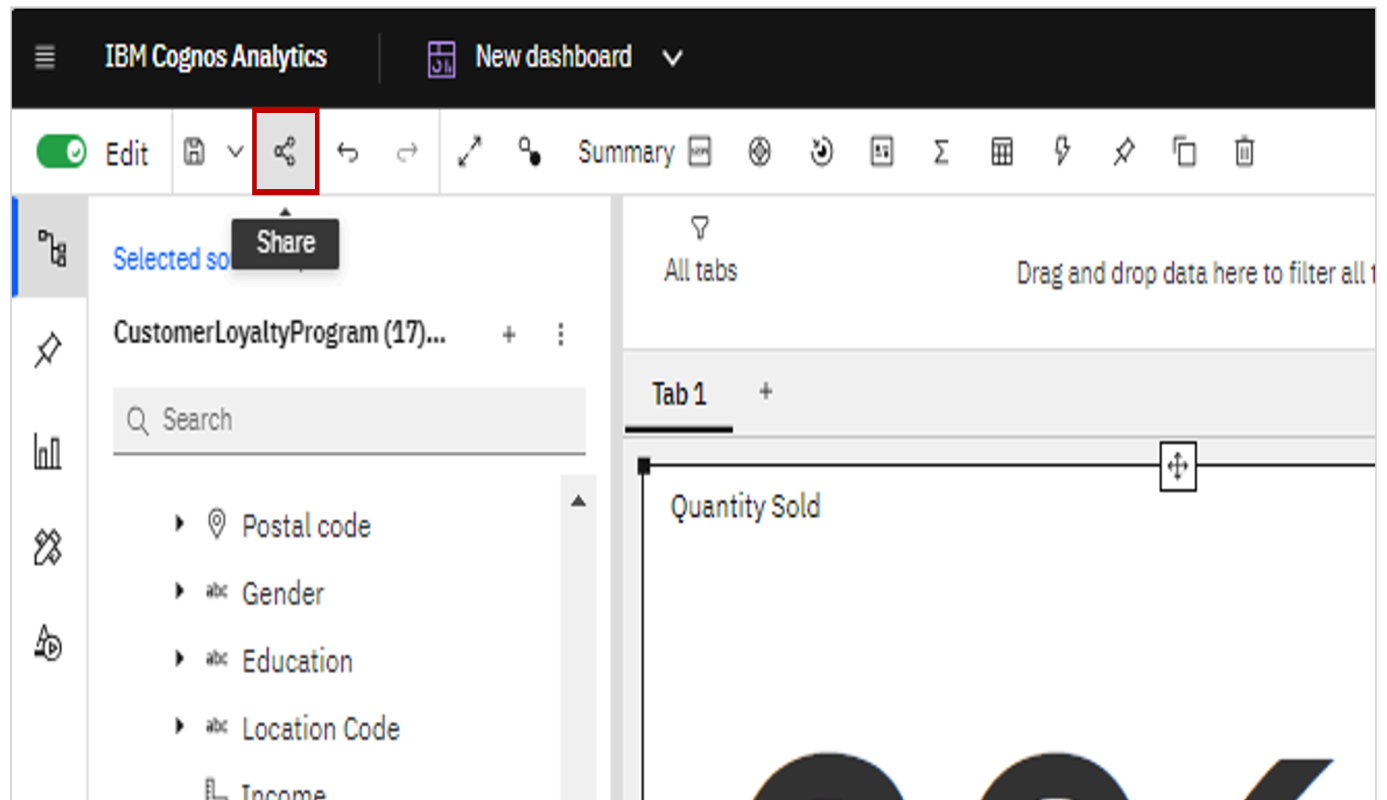
4. On the **Future Technology Trend** dashboard tab, use the data asset **m5\_survey\_data\_technologies\_normalised.csv** and capture the following metrics as visualizations:
- In the first rectangle (**Panel 1**):
    - Capture **Top 10 LanguageDesireNextYear**.
    - Visualize as a **Bar chart**.
    - Utilize **Bars, Length, Color** fields of Bar chart.
    - Include **Show value labels** feature.
    - Include a proper **Chart title**.
  - In the second rectangle (**Panel 2**):
    - Capture **Top 10 DatabaseDesireNextYear**.
    - Visualize as a **Column chart**.
    - Utilize **Bars, Length, Color** fields of Column chart.
    - Include **Show value labels** feature.
    - Include a proper **Chart title**.
  - In the third rectangle (**Panel 3**):
    - capture **PlatformDesireNextYear**.
    - Visualize as a **Tree map chart**.
    - Utilize **Area hierarchy, Size, Heat** fields of Tree map chart.
    - Include **Contrast label color** feature.
    - Include a proper **Chart title**.
  - In the fourth rectangle (**Panel 4**):
    - Capture **Top 10 WebFrameDesireNextYear**.
    - Visualize as a **Hierarchy bubble chart**.
    - Utilize **Bubbles, Size, Color** fields of Hierarchy bubble chart.
    - Include a proper **Chart title**.
5. On the **Demographics** dashboard tab, use the data asset **m5\_survey\_data\_demographics.csv** and capture the following metrics as visualizations:
- Use **Filters for this tab** feature to filter out entries of other types except **Man** and **Woman** from the data point **Gender**.
  - In the first rectangle (**Panel 1**):
    - Capture **Respondent classified by Gender**.
    - Visualize as a **Pie chart**.
    - Utilize **Segments, Size** fields of Pie chart.
    - Include **Display %** feature.
    - Include a proper **Chart title**.
  - In the second rectangle (**Panel 2**):
    - Capture **Respondent Count for Countries**.
    - Visualize as a **Map chart**.
    - Utilize **Regions-Locations, Regions-Location color** fields of Map chart.
    - Include a proper **Chart title**.
  - In the third rectangle (**Panel 3**):
    - Capture **Respondent Count by Age**.
    - Visualize as a **Line chart**.
    - Utilize **x-axis, y-axis** fields of Line chart.
    - Include **Show value labels** feature.
    - Include **Show markers** feature.
    - Include a proper **Chart title**.

- In the fourth rectangle (**Panel 4**):
  - Capture **Respondent Count by Gender, classified by Formal Education Level**.
  - Visualize as a **Stacked bar chart**.
  - Utilize **Bars, Length, Color** fields of Stacked bar chart.
  - Include **Show value labels** feature.
  - Include a proper **Chart title**.

6. To generate the GitHub link for the dashboard, please follow the instructions provided below:

- On the application toolbar of your **dashboard page**, click **Share** icon.

<i



- Navigate to the **Export** tab, choose **Landscape** orientation, and click the **Export** button.

Share

Send

Link

Export

Export to PDF

If you are using a Windows operating system, ensure that you installed a PDF driver. For more information about exporting to PDF, [click here](#).

Page size

Orientation

Letter

Landscape

☐ Include filters

Cancel

Export

- To save your dashboard as PDF, select Destination as **Save as PDF**, and click **Save**.

1/18/24, 4:09 PM

New dashboard

Tab 1

Quantity Sold

396K

Quantity Sold

Quantity Sold by Product Line

Quantity Sold by Region

Map of the United States

https://us2.ca.analytics.ibm.com/bi/?perspective=dashboard&id=7C73A89E8F8344609D2DF775540ACCB&options%5BdisableGlobalFetch%5D=...

1/2

Print

2 pages

Destination

Save as PDF

Pages

All

Pages per sheet

1

Margins

Default

Options

☒ Headers and footers
 ☐ Background graphics

Save

Cancel

- Later upload the PDF file to GitHub by following the instructions in the reading [Getting Started with GitHub](#) .
- Further in the MySubmission tab of the assignment paste the GitHub link of the Dashboard in the URL textbox.

# Grading Information

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For your assignment to be graded in a subsequent step in this module, you will be required to submit the permanent link of read-only view of the dashboard you got in Task 6.

The **main grading criteria** will be:

- Have you provided GitHub link which opens your valid Cognos dashboard?
- Have the correct tabs been created?
- Have you created the required number of visualizations for each tab of the dashboard?
- Have you captured the correct metrics, chart types, chart features and titles for each visualization?
- Are the results correct?

You **will not be judged on**:

- Your English language, including spelling or grammatical mistakes.

## Author(s)

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- [Sandip Saha Joy](#)

## Other Contributor(s)

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## Changelog

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Date	Version	Changed by	Change Description
2023-05-10	1.1	Eric Hao & Vladislav Boyko	Updated Page Frames
2020-10-23	1.0	Sandip Saha Joy	Initial version created

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