Experiment 10 – Tableau

Dataset – GDP

Rule – give proper name to every sheet

- One important thing, data pre-processing is required, we need to pivot the years together and make the first row as header

- Right click on the GDP.csv rectangular box and choose "field names are in first row"

- Now we want all the years to be grouped as one single column, click on the column "1980", in the dataset

- Now hold shift key + right arrow key until all are selected, now right click once everything is selected and click on "pivot"

- Then you can change the names of the new columns, like "pivot field name" to "years" and "pivot field values" to "GDP growth"

Sheet 1 – Country GDP

1. Drag "longitude" to column and "latitude" to row

2. Drag "country_name" to "details" and "labels" in the "marks" pane

Sheet 2 – Filter country Belgium

1. Drag "country_name" to filter and select "belgium"

2. Drag "years" to filter and select years from 2006 to 2024

3. Drag "years" to column and "GDP growth" to row

4. Drag "years" to "color" and "GDP growth" to "label" in the "marks" pane

5. Add title GDP of belgium from 2006 – 2024

Sheet 3 – Pie Chart

1. Change the visualization to "pie chart"

2. Drag "country_name" and "years" to "filters" pane and select India, Romania, Nepal, Singapore and South Africa as countries, all the years till 2010

3. Now change from standard view to entire view, present in the ribbons pane, top-middle

4. Drag "country_name" to "colors" and "label", and the drag "GDP growth" to "angle" and "label" in the "marks" pane

Sheet 4 – Side by Side bars

1. Drag "country_name" to filters pane, select "Bhutan" & "costa rica"

2. Now drag "years" to column and "GDP growth" to rows, also drag "country_name" to "colors" in the "marks" pane

3. Drag "country_name" to column as well and change the visualization to "side by side bar" from the "show me" pane

Sheet 5 – Scatter plot

1. Drag "country_name" to filters pane and select countries fiji, Estonia, Mexico and algeria

2. Drag "years" to filters pane and select the years from 2004 to 2006

3. Now, hold the ctrl button and select "country_name", "year" and "GDP growth"

4. Select "side by side circle" from the "show me" pane

5. Change the view from "standard" to "entire view"

Dashboard 1

1. Drag all the worksheets properly to the dashboard, you can use containers as well, and change the size to "automatic"

Dashboard 2

1. First drag the 1st sheet to the dashboard i.e. "country GDP"

2. Now add horizontal containers, make them "floating" horizontal containers, we need 4 of them, as 4 sheets are remaining

3. Drag and drop the remaining 4 worksheets in the containers and start applying the filters in the Map to see changes in the rest of the worksheets as well