

# Experiment 10 – Power BI

Dataset – GDP

Data Pre-Processing (Transform data):

- Select “use first row as headers”
- Press Ctrl and select the first two columns and then go to “Transform” and select “unpivot columns” and then “unpivot other columns”
- Rename “attribute” to “years” and “values” to “GDP Growth”
- Close and apply

Page 1 – Symbol Map

1. Select normal map from the visual
2. Drag “country\_name” to location, “GDP Growth” to Legend and “GDP growth” to Bubble Size
3. Now, change the map to filled map

Page 2 – Stacked Column Chart

1. Drag “Years” to “x-axis” and “GDP growth” to “y-axis”
2. “country\_name” to “filters” and select “Belgium”
3. And in “Years” in the filters pane select 2006 - 2024

Page 3 – Pie Chart

1. Select Pie chart from the visuals
2. Add “country\_name” to Legend and “GDP growth” to values

3. In the filters pane, filter countries to India, Singapore, Nepal, South Africa, Romania
4. Select 2010 in the years filters

#### Page 4 – Line Chart

1. Select Line chart from the visuals
2. Drag “year” to x-axis and “GDP Growth” to y-axis, “country\_name” to legend
3. In the filters pane for the country\_name, select Bhutan and Costa Rica
4. Convert the line chart to the Stacked column chart from the visuals

#### Page 5 – Scatter Plot

1. Choose “scatter chart” from the visuals
2. Drag “year” to x-axis and “GDP Growth” to y-axis, “country\_name” to legend and add “GDP growth” to size
3. In the filters pane select countries fiji, algeria, Estonia, Mexico and set the years from 2004 to 2006

#### Page 6 – Dashboard

1. Create an interactive dashboard by copying the visuals from each page.