IT Management First Project Documentation

Power BI

Used dashboard Names:

For Life Expectancy:

1. Animated Bar Chart Race
2. Pie Chart
3. Map
4. Stacked Area Chart
5. Play axis

For GDP:

1. Animated Bar Chart Race
2. Stacked Bar Chart
3. Donut Chart
4. Filled Map
5. Play Axis

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**Problem statement**

The assignment is about visualizing the two tables which consist the data about life consistency and GDP of countries in Power BI by using the different dashboards. Each dashboard is visualizing the comparison between life consistency/GDP, countries, and years.

The Problem of this project was in the table of life consistency. The years were in different columns. That’s why we have to place all the years in one column in order to connect them with the countries. Also, for animated dashboards we need to download the Animated Bar Chart Race and Play Axis.

**Methodology**

* The life expectancy table had some problems. The First two row of the table was NUL so we need to remove the first two rows and use the header lines.
* The years were distributed in different columns which makes it difficult to visualize it based on the country. So we need to use a simple method (unpivot) to place all the years in one column.
* By using the dashboards from Power BI we need to visualize the data from the tables. Life expectancy and GDP versus countries and years.
* We need to use the Play Axis and Animated Bar Chart to animate our dashboards.

**Analysis of the result**

We can analyze the data by looking at the dashboards we created for visualizing the data. We can clearly see the changes, and their amounts based on the year.

The first step was comparing the life expectancy of countries to the years. As we can see from the graphs by increasing the years, the life expectancy is increasing too. It means that there are more facilities for people in countries now that the life expectancy has increased a lot in recent years. And the second part is the comparison between the GPD, countries and years. The GPD has also increased as time went.

**Conclusion**

The Aim of this project is to visualizing the data by using the dashboards and animated graphs. The data were about the life consistency and GDP of countries based of the time. We needed to transform the data to make it easier to visualize, by changing the columns of years. Then, we created dashboards for visualizing the links between each country to their life expectancy and GDP based on the year. We can analyze from the graphs that by increasing the year the life expectancy and GDP of countries increases too.