

09-09-2025

Web Scrapping :-

Web scraping is the process of automatically mining data or collecting information from the World Wide Web.

Whenever we load the data from any data connectors (excel , sql, web) the data should be in a tabular format or we have to convert in to tabular then only we have to upload to power bi (because it supports only Tabular format data.)

Static Data :

Static data is information that remains unchanged and constant over time after its initial creation.

Dynamic Data :

Dynamic data is information that changes or is periodically updated over time, often in real-time.

Advantage of Web scrapping :-

- The data is dynamic data.
- Efficient Data Collection and Automation.

Disadvantage of Web Scrapping :-

- Compulsory need Internet.

Loaded Data –

We searched for World Happiness Report in web and we choose Wikipedia. And we loaded the 2025 world happiness report in to power bi which is in tabular format.

And we checked the data type in table view next we changed data category for Country, because its represents the geographical data.

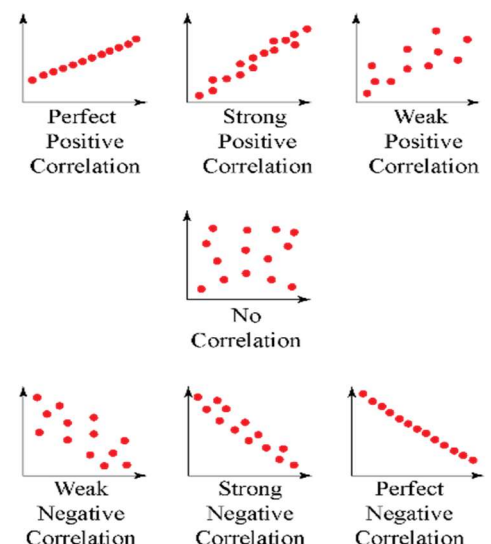
Visuals –

For Categorical and Numerical data will use Bar chart, Column chart, Line chart.

Suppose will have more Numerical values means will go with concept called Co-relation.

Co-relation – The relationship between the two numerical values.

Correlation is a statistical measure that describes the degree to which two variables are related, indicating both the strength and direction of their linear association. The [correlation coefficient](#) ranges from -1 to +1, where +1 signifies a perfect positive linear relationship, -1 indicates a perfect negative linear relationship, and 0 suggests no linear relationship.



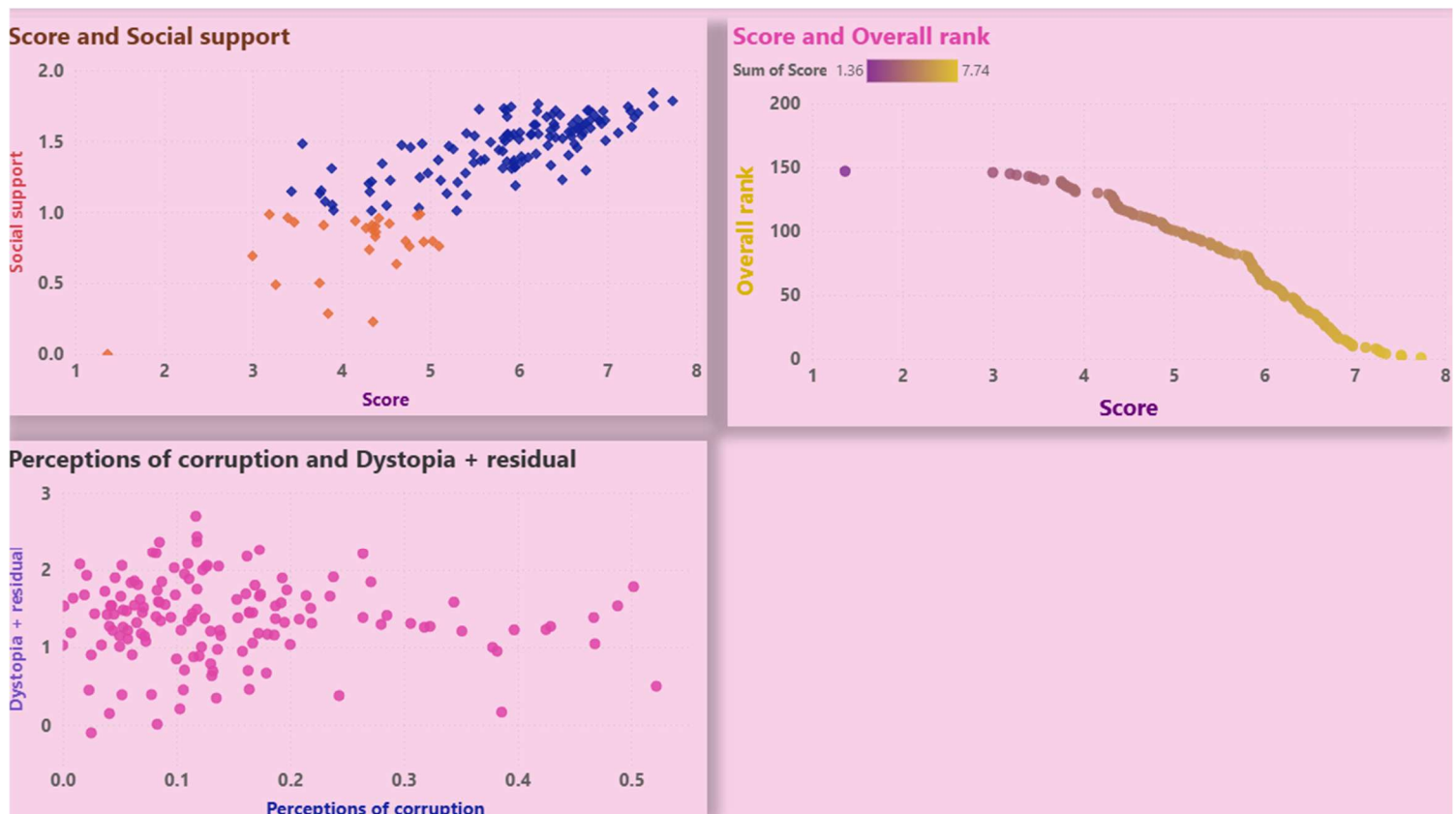
We are calculating score a country happiness will depends on multiple value factors like GDP (country growth), Security rate, Health rate, literacy rate.

And these values have relation like if literacy rate increase GDP will increase. And literacy rate increase illiteracy decreases right.

Positive Co-relation – one increase another also increase
Experience increase salary also increase.

Negative co-relation – one value increase another will be decrease.

No Co-relation – There is no relation between the two values.



CT : Scatter Chart

Insights : The visualizations reveal several important insights into factors influencing national happiness. First, there is a strong positive correlation between social support and happiness score, indicating that countries where people feel they have someone to rely on in times of need tend to report significantly higher happiness levels. Second, as the happiness score increases, the overall rank improves, showing a clear relationship where countries with higher happiness scores consistently hold top global rankings. Finally, the relationship between perceptions of corruption and the dystopia + residual factor shows that higher perceived corruption is associated with worse-than-expected happiness outcomes, suggesting that corruption negatively impacts well-being beyond the influence of economic, health, or freedom factors. Overall, these insights highlight the critical role of social support and institutional trust in shaping a country's overall happiness and global ranking.