Charts that every BI analyst should use!

Why We Need Data Visualization?



Humans have a data processing limit.

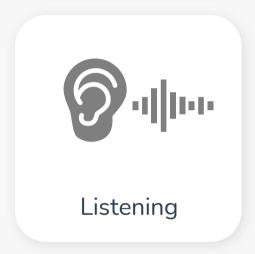
Data visualization helps understand the data and provides the right insight.

Why We Need Data Visualization?



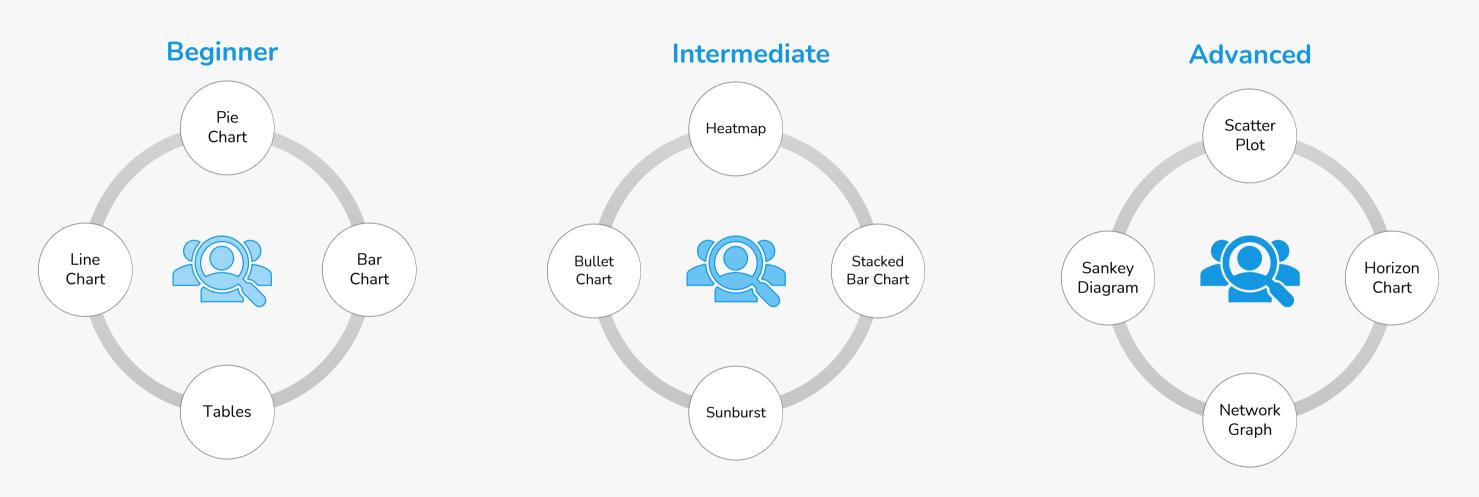






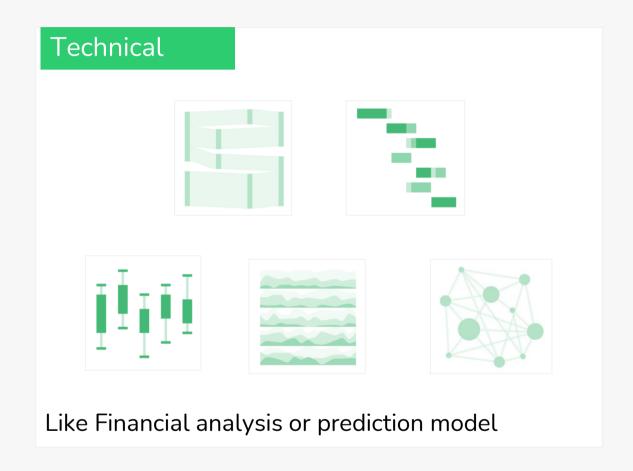
Visual communication is the most faster source

How to pick the right visual?



Pick a chart after considering the reader's data literacy

How to pick the right visual?

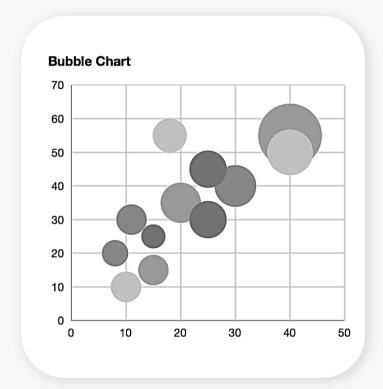


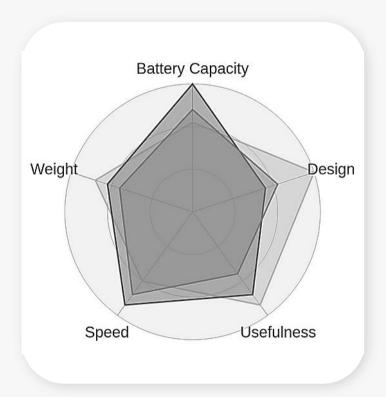


Purpose of communication matters

How to pick the right visual?







Use creative visuals with caution

Charts that every BI analyst should use

Exploratory Visual

Exploratory visuals are those visuals that help an analyst to investigate the data to discover patterns, spot anomalies and test assumptions.

Explanatory Visual

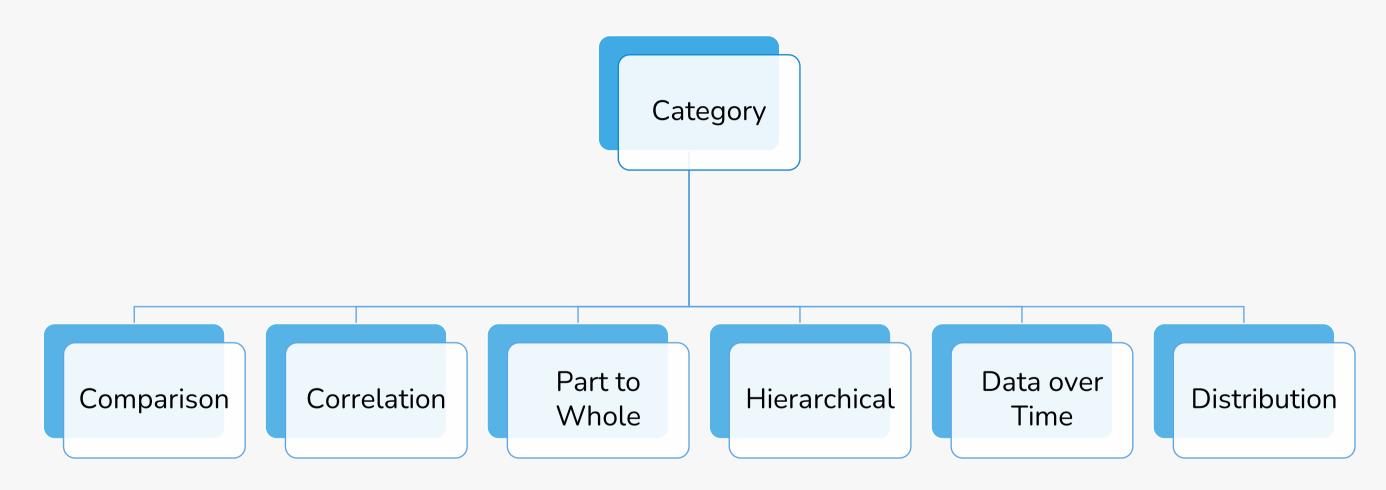
Explanatory visual are easy to understand and used to present key takeaway and information to the end user.



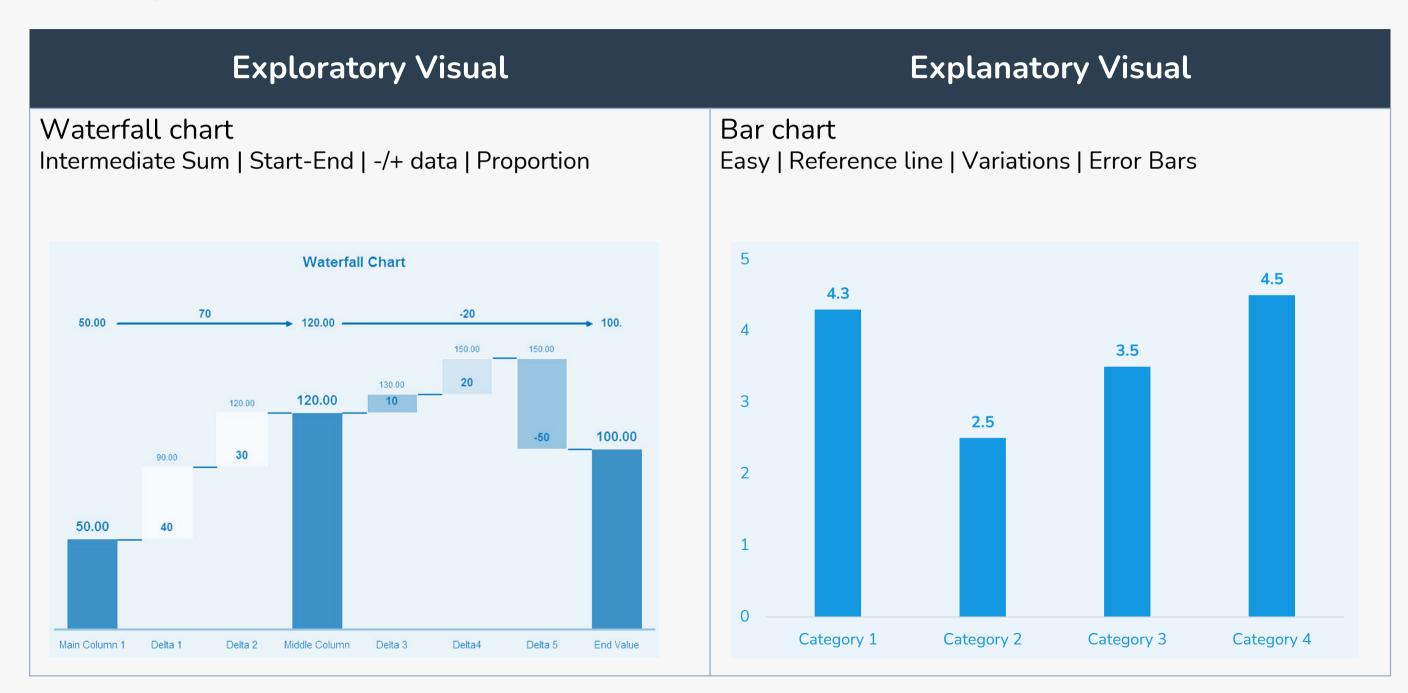


Chart Categories

There are six types of categories based on data use cases



Comparison



Correlation

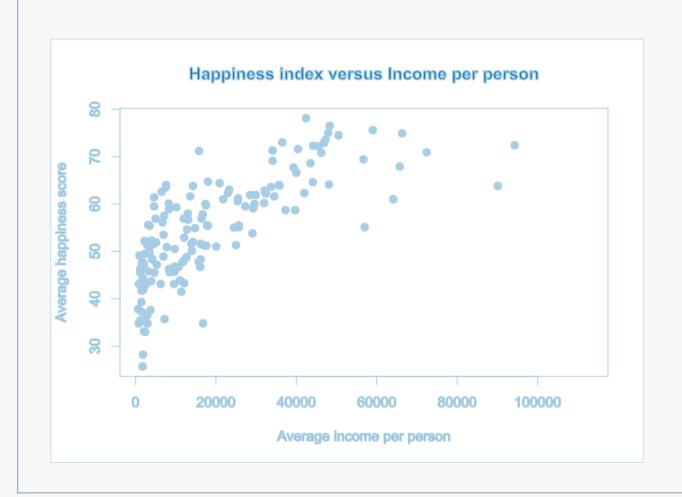
Metric relation | Quadrant | Pattern

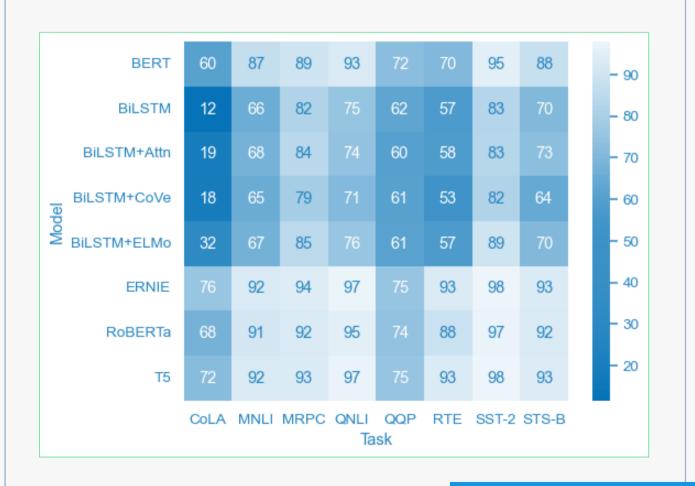
Scatter Plot



Heatmap

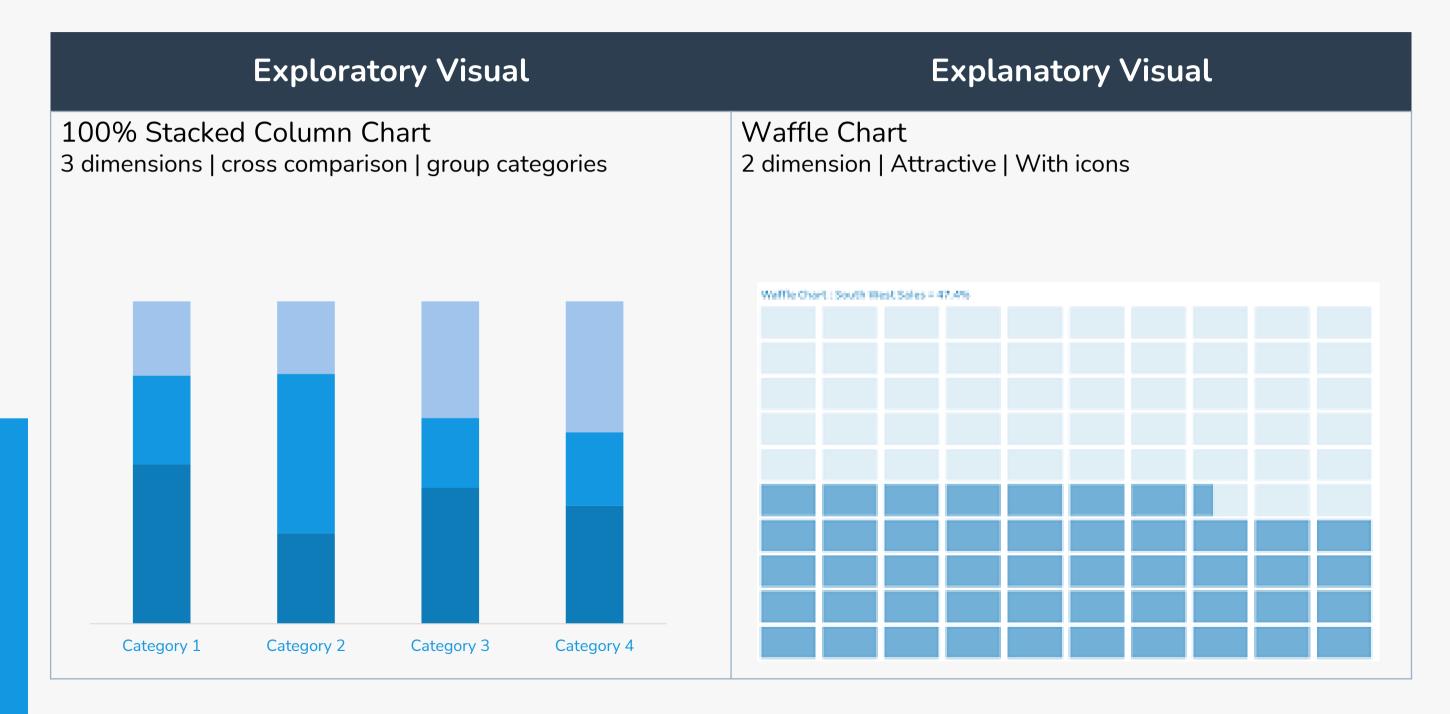
Entity relation | Color & shape | Mixed with Maps





Explanatory Visual

Part to Whole

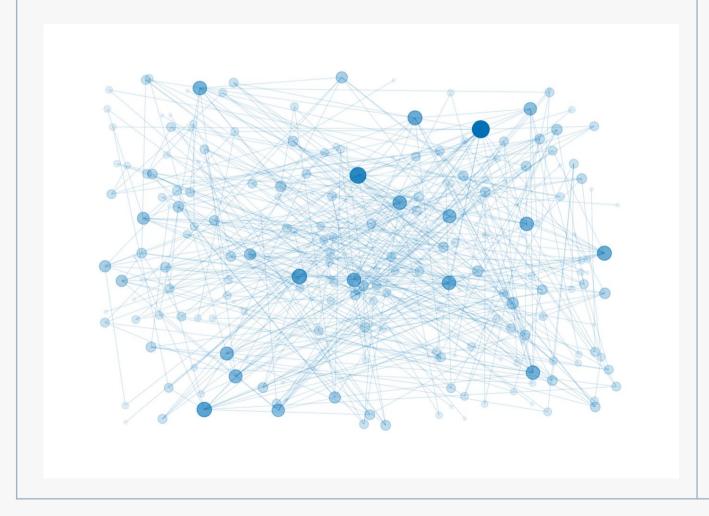


Hierarchical

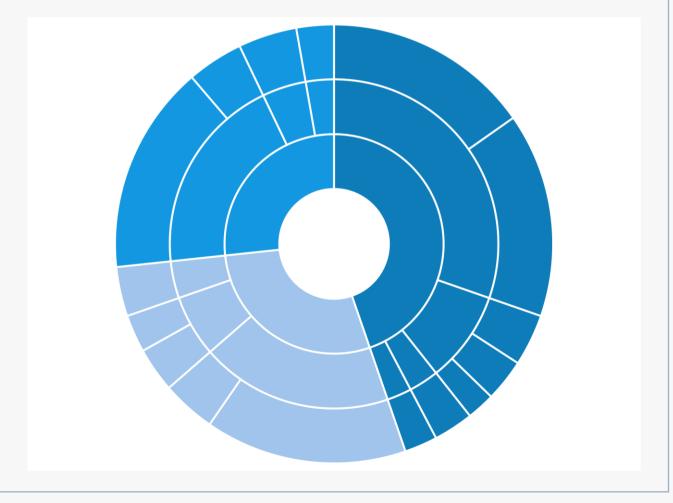
Exploratory Visual

Explanatory Visual

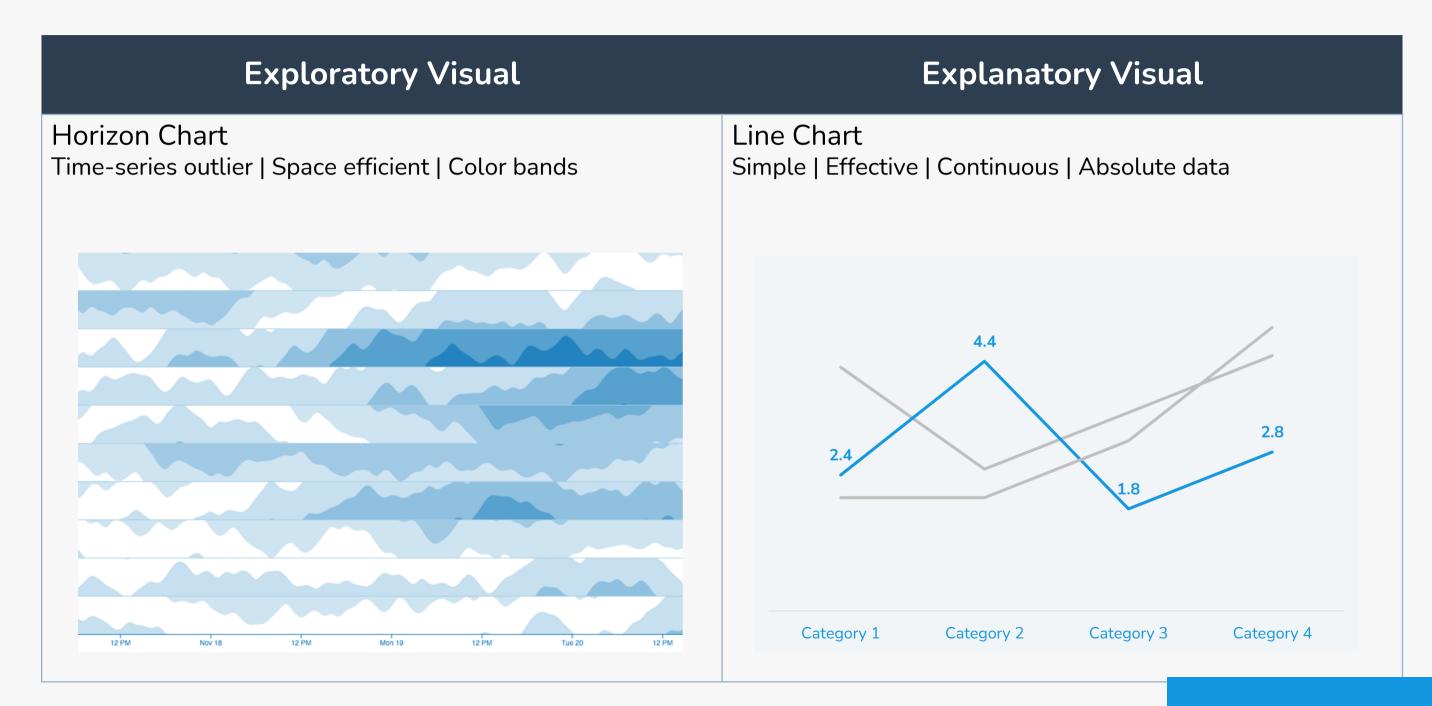
Network Graph Intra connection | Large data | Links



Sunburst Chart Multiple levels | Zoom | Colors as cue



Data Over Time



Distribution

