

## Important word

### Tableau:

**Functionality**: Tableau is a powerful data visualization tool that allows users to create interactive and shareable dashboards and reports. It enables users to connect to various data sources, transform data into visualizations.

**Features**: Tableau offers drag-and-drop functionality for easy visualization creation, and the ability to create complex dashboards with filters.

### QlikView:

**Functionality**: QlikView is a business intelligence tool that allowing users to explore data dynamically without predefined queries. It enables users to discover insights and relationships in their data through interactive visualizations.

**Features**: QlikView offers in-memory data processing for fast analytics, data integration from various sources, and interactive dashboards for data visualization.

### Power BI:

**Functionality**: Power BI is a suite of business analytics tools that allows users to visualize and share insights from their data, create interactive reports and dashboards, and collaborate with others.

**Features**: Power BI offers intuitive drag-and-drop interface.

AI-powered analytics features like natural language queries.

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## Data type, file type, program, language

- Float -----> data type
- String -----> data type
- Integer -----> data type
- Xml -----> file type "extension"
- Jpg -----> file type "extension"
- JSON -----> file type "extension"
- CSV -----> file type "extension"
- Xlsx -----> file type "extension"
- Opencv -----> library or program
- Tensorflow -----> library or program
- pytorch -----> library or program
- Powerbi -----> program
- Tableau -----> program
- PostgreSQL-----> program
- SSMS -----> program
- SSIS -----> program
- DAX-----> language
- Power Query ----> language

- SQL -----> language
- Python -----> language

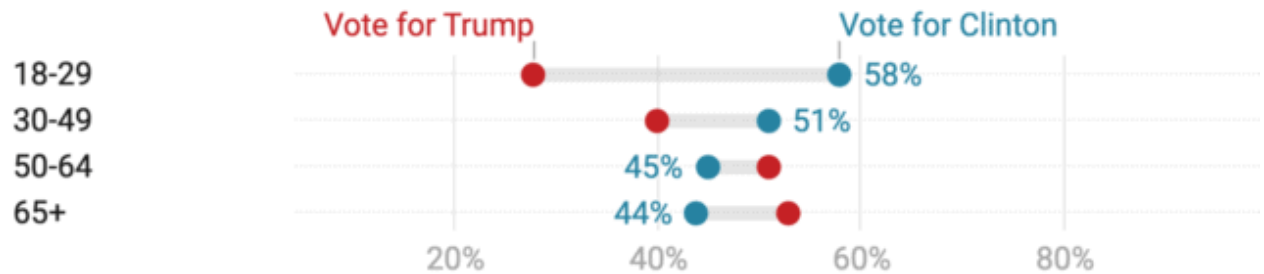
## Charts:

### Range plot

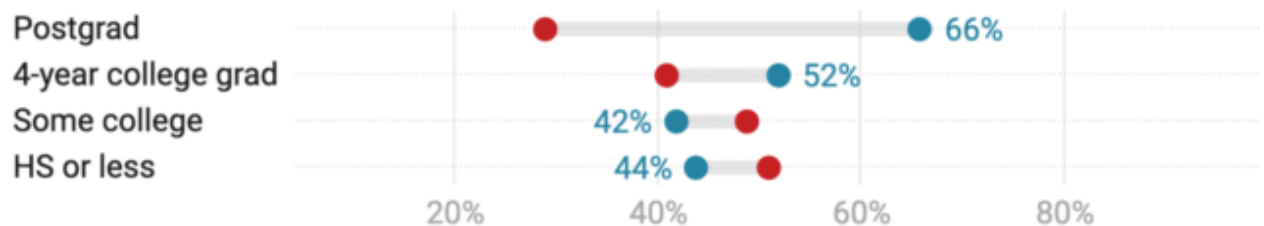
It can be used to show the spread of data, trends, or patterns within a specific range.

Range plots are often used in scientific research, engineering.

#### Age



#### Education



### Which chart do the following?

1. progress toward a goal. (Line chart)
2. Production of multiple products in each quarter (stacked bar chart)
3. attributes using size and color coding (bubble chart)
4. the beginning and the ending headcount for your company in a year (bar chart)
5. Profit over Time (Line chart)
6. Profit relation with units produced (scattered plot chart)
7. Productivity of each product relation with working hours. (stacked bar chart)
8. Employees Age (Histogram chart)