

Experiment 1

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Title - Study and use of different types of graphs and charts. (use MS-XLS)

1) Line chart

In a line chart, category data is distributed evenly along the horizontal axis, and all value data is distributed evenly along the vertical axis. Line charts can show continuous data over time on an evenly scaled axis, so they're ideal for showing trends in data at equal intervals, like months, quarters or fiscal years.

2) Column chart

A column chart is a data visualization where each category is represented by a rectangle, with the height of the rectangle being proportional to the values being plotted. Column charts are also known as vertical bar charts.

3) Pie chart

A pie chart is a pictorial representation of data in the form of a circular chart or pie where the slices of the pie show the size of the data.

A list of numerical variables along with categorical variables if needed to represent data in the form of a pie chart.

A pie chart is a type of a chart that visually displays data in a circular graph. It is one of

the most commonly used graph to represent data using attributes of circles, spheres and angular data to represent the real-world information.

4) Scatter chart

Scatter charts are based on basic line charts with the X axis changed to a linear axis. To use a scatter chart, data must be passed as objects containing X and Y properties. scatter plots/charts are used to plot data points on a horizontal and a vertical axis in the attempt to show how much one variable is affected by another. A scatter chart uses dots to represent values for two different numeric variables.

5) Radar chart

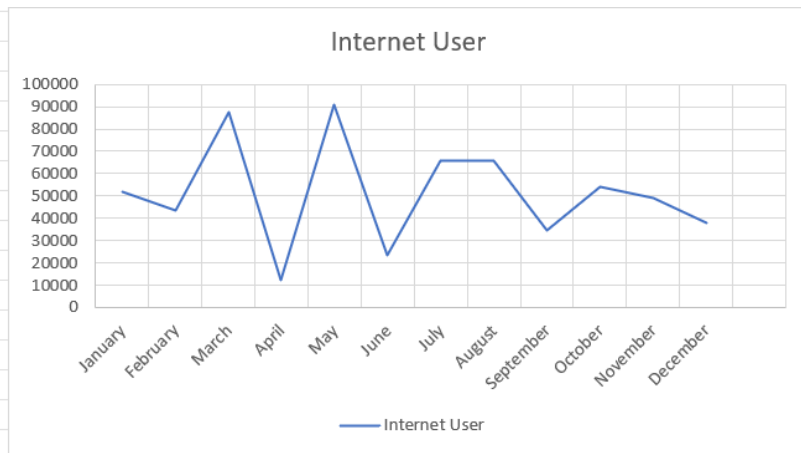
A radar chart is a way of showing multiple data points and the variations between them. They are often useful for comparing the points of two or more different data sets. Radar charts are used to compare two or more items or groups on various features or characteristics.

Conclusion -

Excel provides user-friendly interface for creating and customising various types of charts, including column, line, scatter, pie & radar charts. It's charting capabilities allow you to efficiently visualize & analyze data to gain insights & communicate your findings for others.

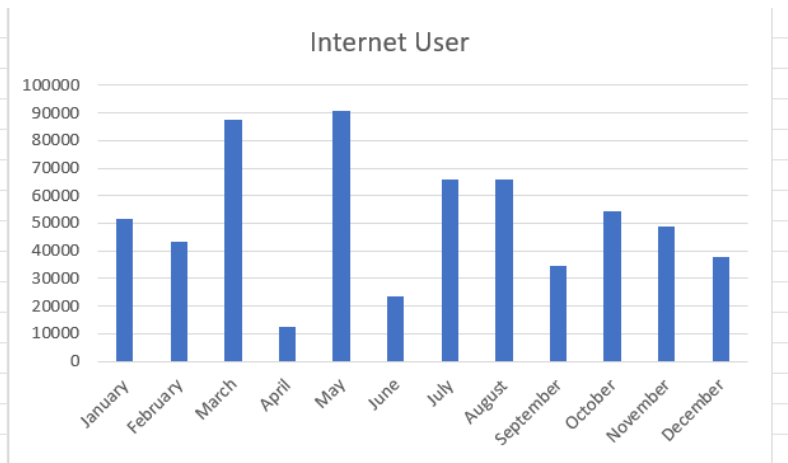
1. Line Chart

Month	Internet User
January	51678
February	43256
March	87652
April	12345
May	90876
June	23456
July	65876
August	65984
September	34569
October	54327
November	48932
December	38012



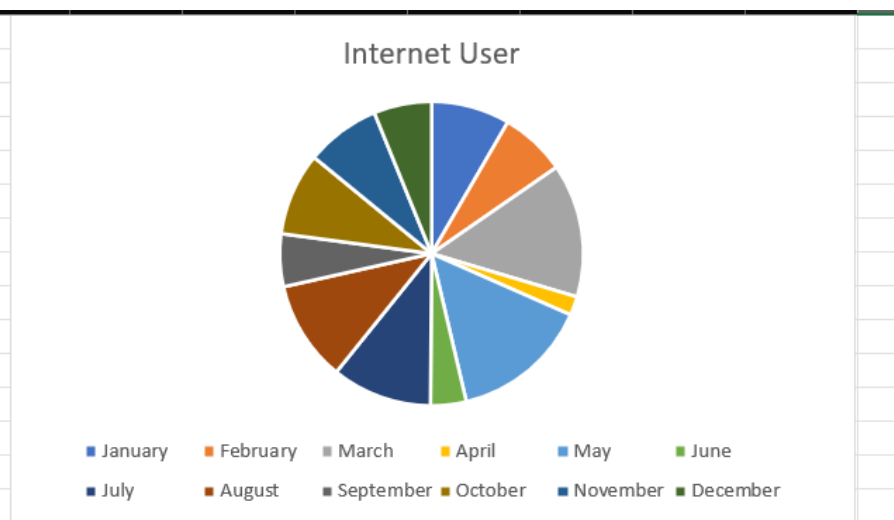
2. Column Chart

Month	Internet User
January	51678
February	43256
March	87652
April	12345
May	90876
June	23456
July	65876
August	65984
September	34569
October	54327
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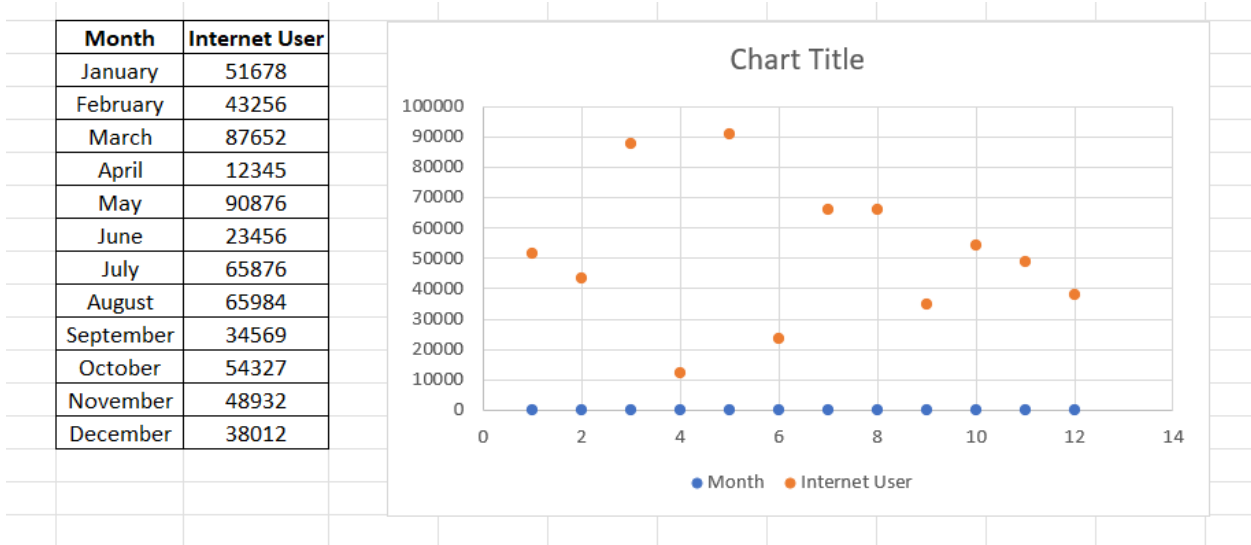


3. Pie Chart

Month	Internet User
January	51678
February	43256
March	87652
April	12345
May	90876
June	23456
July	65876
August	65984
September	34569
October	54327
November	48932
December	38012



4.Scatter Chart



5. Radar Chart

