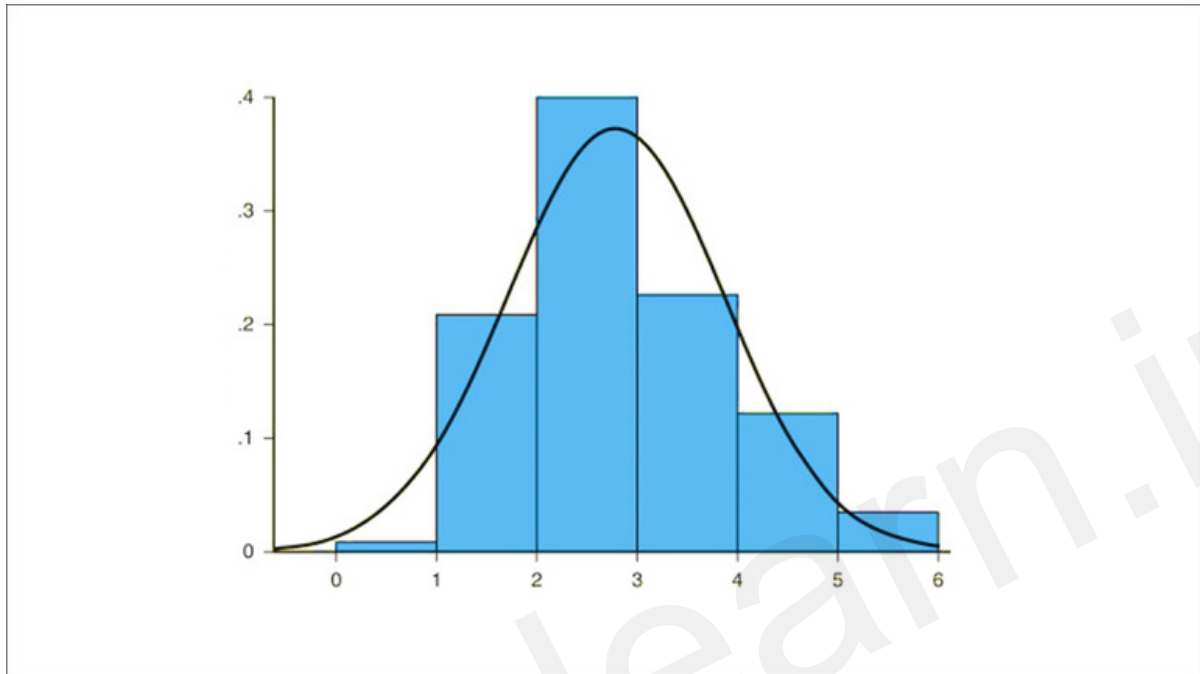# Geography Practical

Graphical Represents of Data

Graphical representations of data include frequency curve, a smooth line connecting data points on a histogram; histogram, a bar chart illustrating frequency distribution; and frequency polygon, a line graph connecting midpoints of histogram bars. These aid in visualizing and analyzing data distributions, trends, and patterns effectively.

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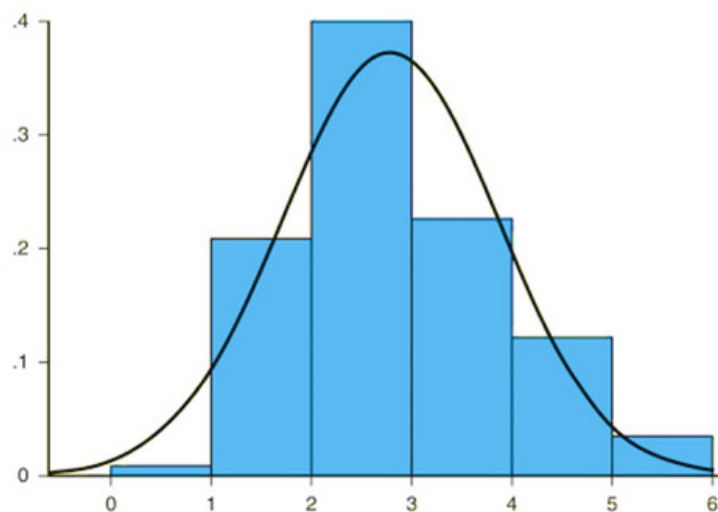
Graphical Represents of Data

Frequency Curve:

Represents data distribution through a smooth, continuous curve.

Usually applied to continuous data.

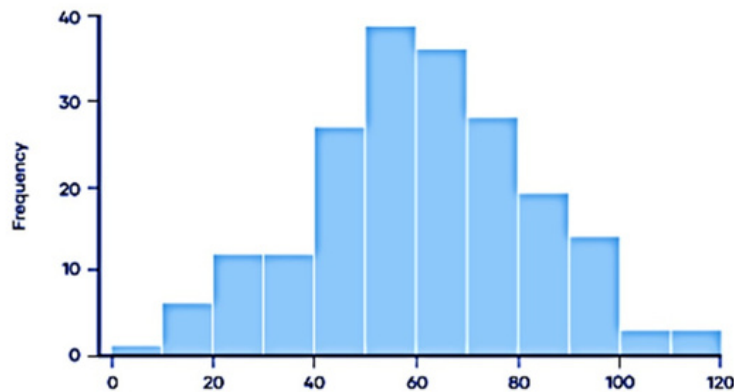Connects data points with straight or curved lines, showing the trend of the data.

Suitable for displaying trends over time or continuous variables.

Each data point contributes to the shape of the curve, emphasizing overall distribution.

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Graphical Represents of Data

Histogram:

Displays data distribution through bars, where the height of each bar represents the frequency of data within a specific interval.

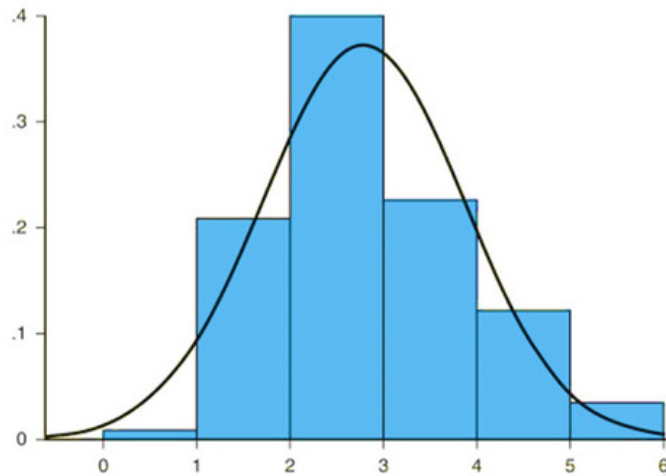Ideal for visualizing discrete or continuous data grouped into intervals.

Bars are typically adjacent and do not have gaps between them.

Provides a clear depiction of the distribution's shape, center, spread, and skewness.

Useful for identifying patterns, outliers, and clusters within the data.

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Graphical Represents of Data

Frequency Polygon:

Plots data points on a graph with lines connecting the midpoints of the tops of each histogram bar.

Similar to the frequency curve but uses straight lines between points rather than a smooth curve.

Provides a simpler representation of data distribution compared to a frequency curve.

Often used alongside histograms to provide a more detailed understanding of the data.

Helpful in comparing multiple distributions or tracking changes over time while maintaining simplicity.

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Graphical Represents of Data

Each of these visualization techniques offers unique insights into the distribution of data, catering to different preferences and requirements of data analysis and presentation.