

Department of Computer Engineering Data Visualization - 01CE0614

Data Visualization (01CE0614) Department of Computer Engineering

6th Semester

Lab Manual

(Jan-May, 2025-26)

Department of Computer Engineering Data Visualization - 01CE0614

Student Name	Asif Alam	Enrollment No.	92201703058
Subject Name (Subject code)	Data Visualization (01CE1614)	Semester (Class)	6 EC-3
Batch (A/B/C)	В	Lab/ Week	1 Lab

S. No.	Experiment Title	Date	Page No.	Sign.
1	Create a line chart to show trends over time			
2	Create a pie chart to show the distribution of data			
3	Create a scatter plot to show the relationship between two variables			
4	Create a histogram to show the distribution of a continuous variable			
5	Create a heatmap to show the relationship between two or more variables			
6	Create a treemap to show the hierarchical structure of data			
7	Create a map to show the geographic distribution of data			
8	Create a dashboard to combine multiple visualizations into a single view			
9	Use filters and groups to explore your data in different ways			
10	Use custom formatting to improve the appearance of your visualizations			
11	Use custom formatting to improve the appearance of your visualizations			
12	Visualize the sales of a company by product category and region			
13	Track the performance of a marketing campaign over time			
14	Analyze customer behavior and identify trends			
15	Create a dashboard to track key performance indicators (KPIs) for a business			

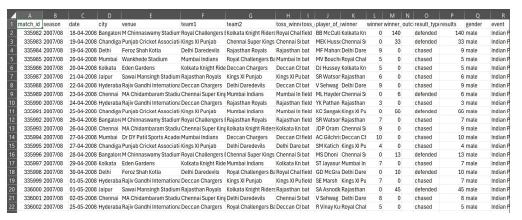


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1. Create a line chart to show trends over time.

- **Definition:** A line chart is a graph that uses lines to connect data points to show changes in value over time. It's also known as a line graph, line plot, or curve chart.
- Application: Line charts are used to track changes in data over time, and to compare changes between groups. They can also be used to identify patterns and correlations in data.
- Dataset / Data source: IPL Season (2008-2022)

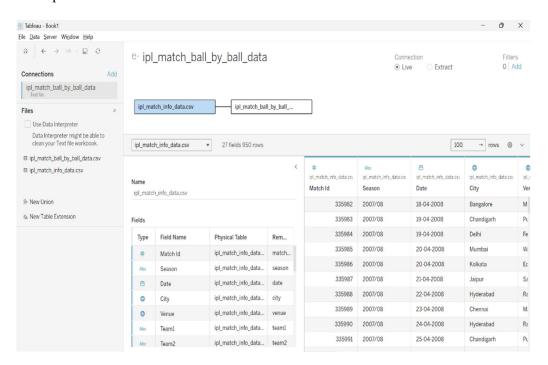
Dataset: IPL Season





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• Import the IPL dataset in tableau



- Drag number of match count in row and year in column
- Line chart of Matches played per Year or Season

