



**+tableau®**  
S O F T W A R E

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Criteria	Power BI	Tableau
Popularity (users)	5M	300K
Learning Curve	Easy to start, more complicated the more advanced you go	Difficult to start, easier the more advanced you go
Data Preparation	PowerQuery	Data Prep
Data Transformation	Database level	Visual level
Data Model	Star/Snowflake	Flat
Data Visualization	Similar to Office	Well-known for visuals
Price	\$9.99 per user, per month	\$35-70 per user, per month
Filters	Controlled by developer and end-user	Controlled by developer

# Tableau Terminology

## Dimensions

- In Power BI terms = *Dimensions*
- Qualitative data
  - Categories, descriptors, strings

## Measures

- In Power BI terms = *Facts*
- Quantitative data
  - Aggregations, values, integers

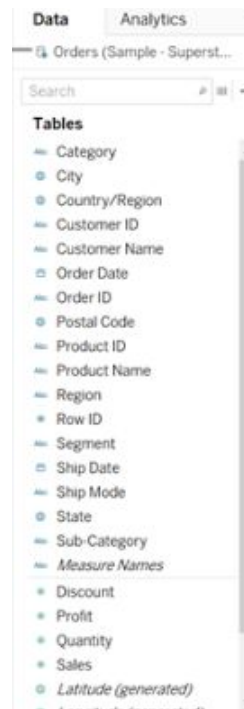
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# Tableau Terminology

Workbook

Sheets

Dashboards

Stories

Table Calculations

Shelves & Cards

# Workbooks & Sheets

The workbook is the Tableau file that contains sheets, dashboards, and stories.

A sheet is where you create individual visualizations of your data.

[Workbooks and Sheets - Tableau](#)



A. Workbook name. A workbook contains sheets. A sheet can be a worksheet, a dashboard, or a story. For more information, see [Workbooks and Sheets](#).

B. [Cards and shelves](#) - Drag fields to the cards and shelves in the workspace to add data to your view.

C. [Toolbar](#) - Use the toolbar to access commands and analysis and navigation tools.

D. [View](#) - This is the canvas in the workspace where you create a visualization (also referred to as a "viz").

E. Click this icon to go to the Start page, where you can connect to data. For more information, see [Start Page](#).

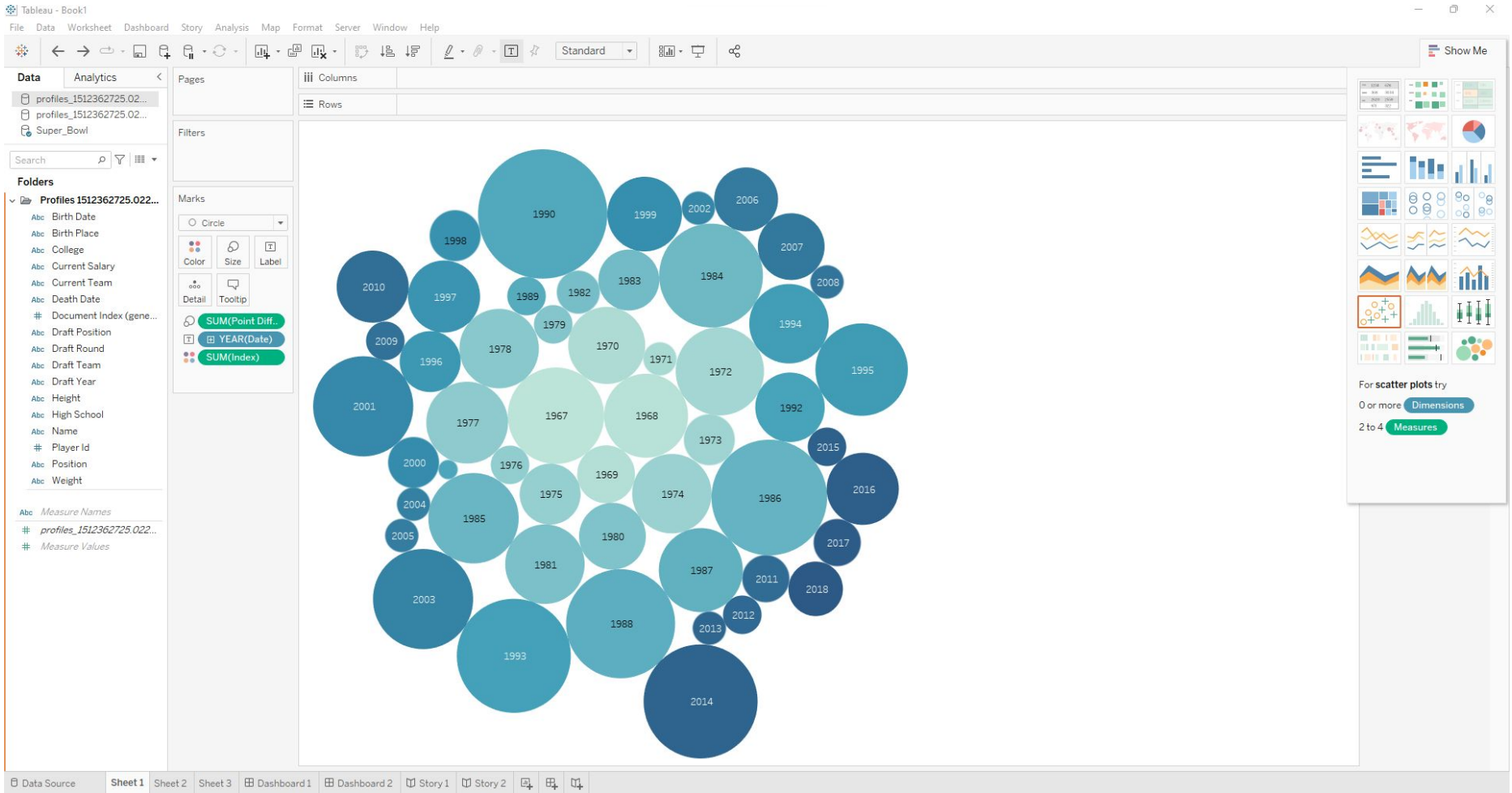
F. [Side Bar](#) - In a worksheet, the side bar area contains the [Data pane](#) and the [Analytics pane](#).

G. Click this tab to go to the Data Source page and view your data. For more information, see [Data Source Page](#).

H. [Status bar](#) - Displays information about the current view.

I. [Sheet tabs](#) - Tabs represent each sheet in your workbook. This can include worksheets, dashboards, and stories. For more information, see [Workbooks and Sheets](#).

## [The Tableau Workspace - Tableau](#)



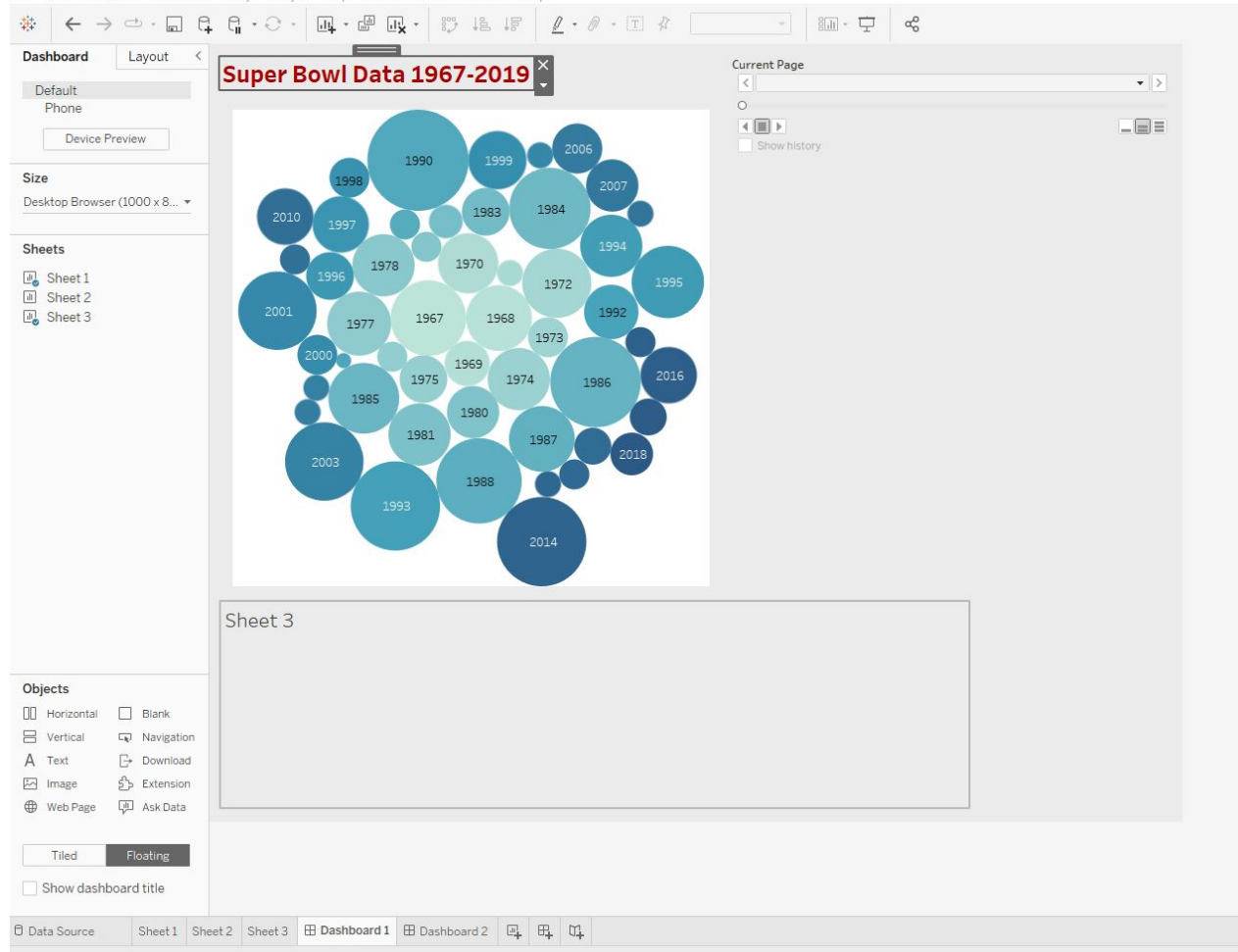


# Dashboards

With Tableau, you build a single visual at a time on a sheet and add it to a dashboard.

Sheets can be floating on the dashboard (resizable) or tiled (auto-sized).

[Dashboards - Tableau](#)



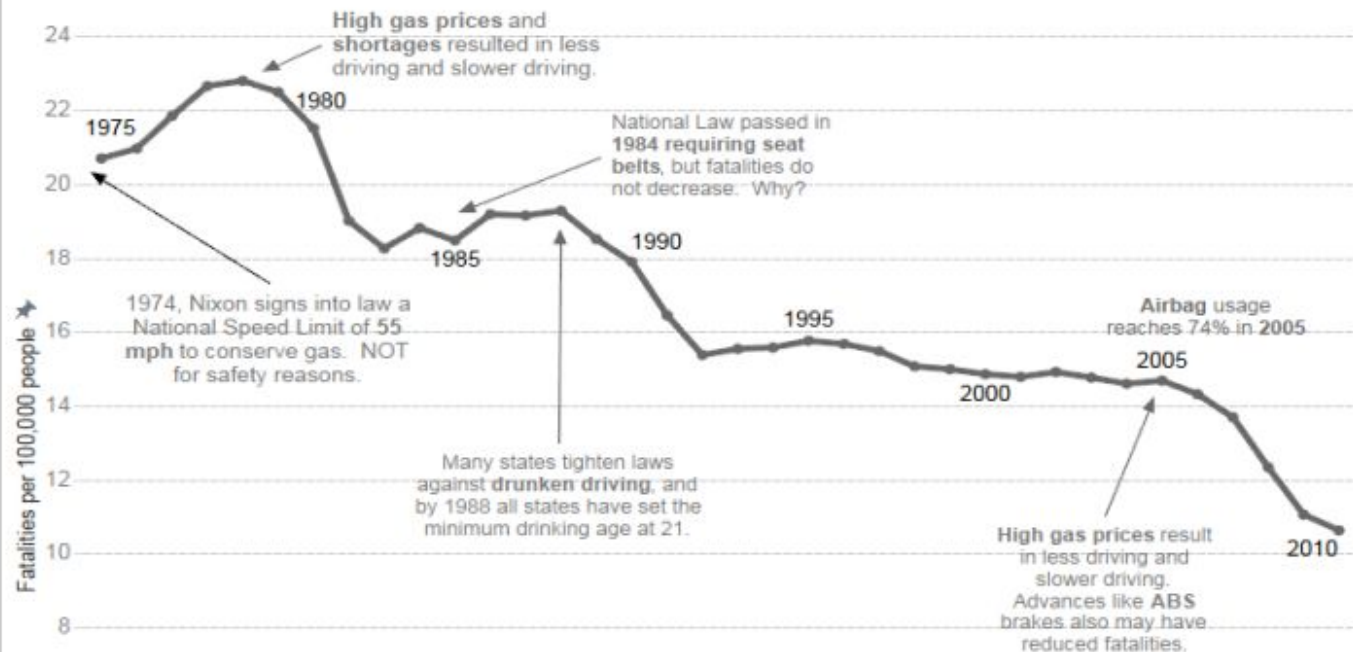
# Stories

A story is a sequence of visualizations that work together to convey information. You can create stories to tell a data narrative, provide context, demonstrate how decisions relate to outcomes, or to simply make a compelling case.

[Stories - Tableau](#)

## Why have driving fatalities decreased in the United States?

< The fatality rate has declined over the past 35 In 1974 - Speed Limits were introduced. A late 70's gas shortage signaled a top. Seatbelt laws had minimal impact. But in 1988 something changed... And by the 2000's safety equipment came >



# Table Calculations

Table calculations (much like calculated columns and measures in Power BI) transform data. Tableau has the ability to perform these calculations quickly on the visual level rather than in the database.

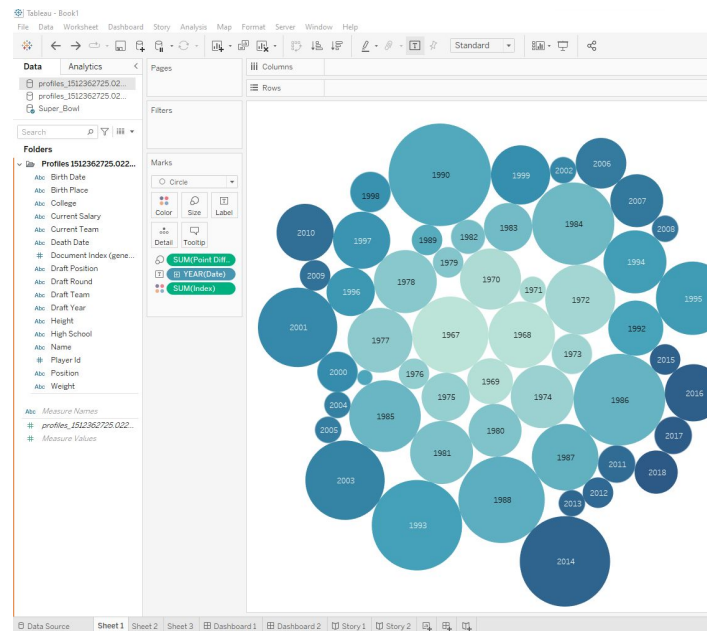
[Transform Values with Table Calculations - Tableau](#)

## Shelves & Cards

Shelves contain your columns, rows, pages, and filters. You can drag and drop from the data pane into the shelves.

Cards contain your marks which determine color, size, data labels, details, and tooltips. You can drag and drop from the data pane into the marks fields.

## Shelves and Cards Reference - Tableau



# Tableau Features

Ask Data

Animations

Groups

Parameters

Calculations

# Examples

[Tableau Dashboard Showcase](#)

[Workbook: SQL Joins Explained - The Burger Analogy \(tableau.com\)](#)



# Resources

- Documentation: [Get Started - Tableau](#)
- Tutorial: [The Bookshop data set - Tableau](#)
- VizWiz: [\(78\) Andy Kriebel - YouTube](#)
- Visual Intelligence Consulting: [\(78\) Tableau Viz in Tooltip \[4 Examples of Viz in Tooltip\] - YouTube](#)