



# Business Intelligence Tools

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# Agenda for Today

- Business Intelligence (BI)
  - Introduction to BI
  - Features of BI Tools
  - Different BI Tools
- Tableau
  - Overview of Tableau
  - Installation of Tableau Public
  - Getting Started with Tableau Public



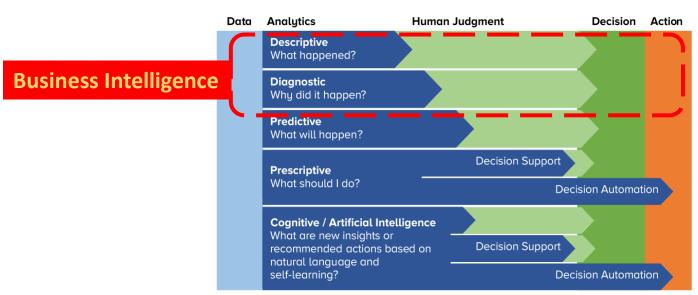


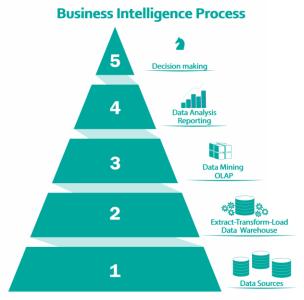


# Introduction to Business Intelligence

- Business Intelligence (BI) is a **technology-driven process** for analyzing. It combines **architectures, tools, databases, analytical tools, applications** and **methodologies**.
- The main objective is to enable interactive access to data, manipulate data and to help corporate executives, business managers and other end users to conduct appropriate analyses and make more informed business decisions.

• The process of BI is based on the **transformation of data** to information, then **decisions** and finally to **actions**.





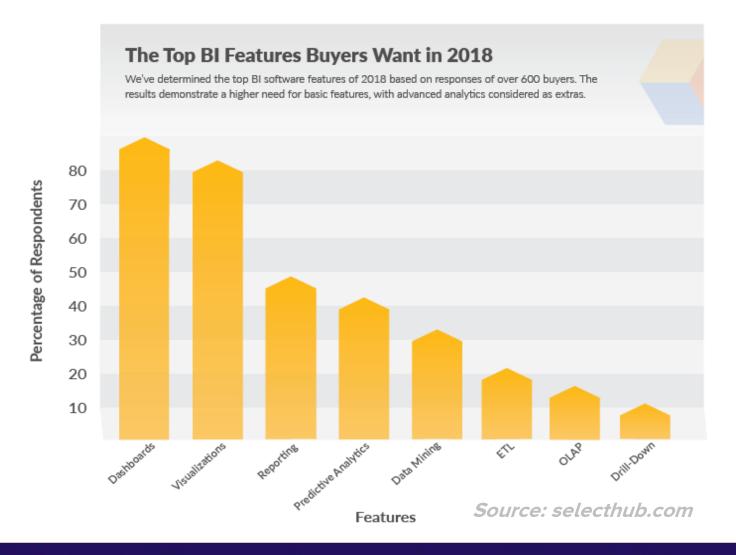






# Features of BI Tools

- Dashboards
- Metadata Management
- Data Analysis
- Reporting & Visualization
- Access Control & Security
- Open Integration
- Mobile Support























































### **About Microsoft Power BI**

- An analytics tool that assists in reporting, data mining and data visualization to provide business insights.
- Business can connect to a variety of data sources and create own dashboards and reports.
- It has three version: **Desktop** for free for individual use, **Pro plan** monthly price-per-user SaaS subscription, **Premium plan** provides enterprise-level insights with onpremise deployment and a dedicated cloud infrastructure.

### Why use Power BI?

- Live 360-Degree View of Data
- Collaborate Across Organization
- On-the-Go Access









### **About Oracle BI**

- An AI-powered solution that provides robust reporting and analytics features to businesses of all sizes.
- It offers a strong selection of reporting and analytics features from the convenience of the cloud.

### Why use Power BI?

- Customized Responses
- Conversation Analytics
- What-If Scenarios









### **About MicroStrategy**

- A data analytics platform that delivers actionable intelligence to organizations of all sizes.
- It allows users to customize data visualizations and build personalized real-time dashboards.
- It leverages data connectivity, machine learning and mobile access to offer users comprehensive control over their insights.

### Why use MicroStrategy?

- Maximize Business Insights
- Seamless Integration
- Enterprise Mobility









### **About Domo**

- A cloud-based business management suite that accelerates digital transformation for businesses of all sizes.
- It performs both micro and macro-level analysis to provide teams with in-depth insight into their business metrics as well as solve problems smarter and faster.

### Why use Domo?

- Unified view of Business Data
- Collaboration
- Answer Business Questions









### **About SAS Visual Analytics**

- It provides guided exploration, interactive dashboards, smart visualizations and self-service analytics to users of all technical skill levels, promoting data literacy and visibility.
- Its versatile, scalable design helps users make better business decisions based on data transparency.
- Built on a cohesive in-memory architecture, it promotes intelligent action driven by insight.

### Why use SAS Visual Analytics?

- Discover Data Relationships and Patterns
- Glean Data-Based Insights
- Perform Guided and Augmented Analysis







# Overview of Tableau

### What is Tableau?

- A data visualization and analytics solution that assists enterprises in making data-driven business decisions.
- It blends information from a wide range of sources to deliver actionable, real-time insights.
- It allows exploration of data via intuitive means such as drag-and-drop filtering and natural language queries, irrespective of skill levels.



### Why use Tableau?

- Powerful Visualization
- Explore any type of data sources
- Multi-Layered Security

### Some key features

- Drag and Drop Visualizations
- Augmented Data Preparation
- Geographic Data Analysis
- Real-time Access & Role-Based Permissions

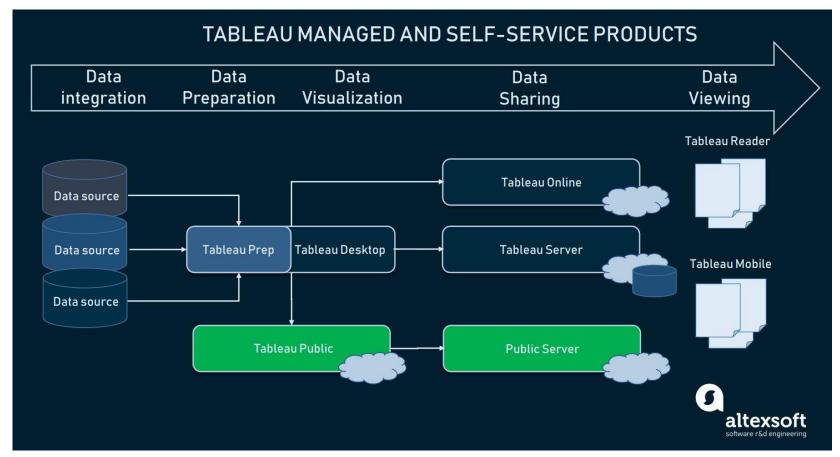






# Overview of Tableau

### **Tableau Product Suite**



Source: altexsoft.com







### **System Requirements**

### Windows

- Microsoft Windows 7 or newer (x64)
- 2 GB memory
- 1.5 GB minimum free disk space
- CPUs must support SSE4.2 and POPCNT instruction sets

### Mac

- macOS High Sierra 10.13, macOS Mojave 10.14 and macOS Catalina 10.15
- Intel processors
- 1.5 GB minimum free disk space
- CPUs must support SSE4.2 and POPCNT instruction sets

Source: tableau.com







### **System Requirements**

### Virtual Environments

- Citrix environments, Microsoft Hyper-V, Parallels, VMware, Microsoft Azure and Amazon EC2.
- All of Tableau's products operate in virtualized environments when they are configured with the proper underlying Windows operating system and minimum hardware requirements.

### Internationalization

- These products are Unicode-enabled and compatible with data stored in any language.
- The user interface and supporting documentation are in English, French, German, Italian, Spanish, Brazilian Portuguese, Japanese, Korean, Traditional Chinese, and Simplified Chinese.

Source: tableau.com

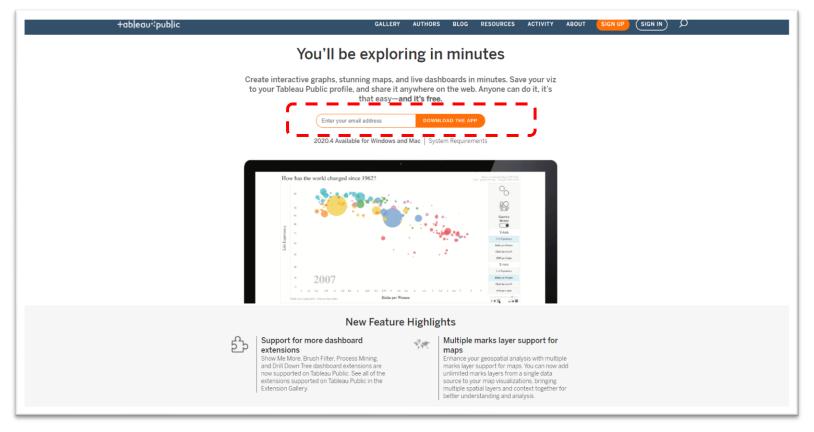






Visit https://public.tableau.com/en-us/s/download.

Email add is needed to download the app.

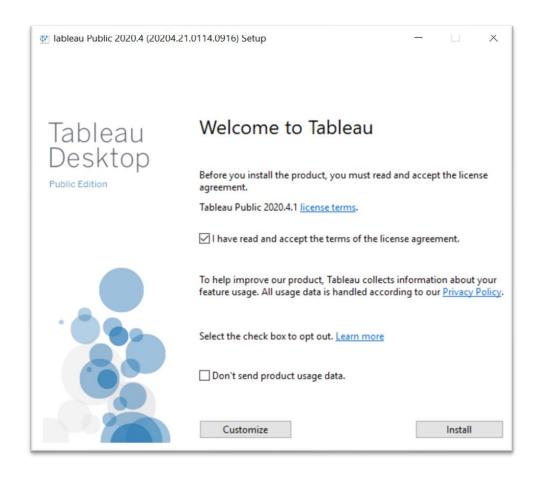


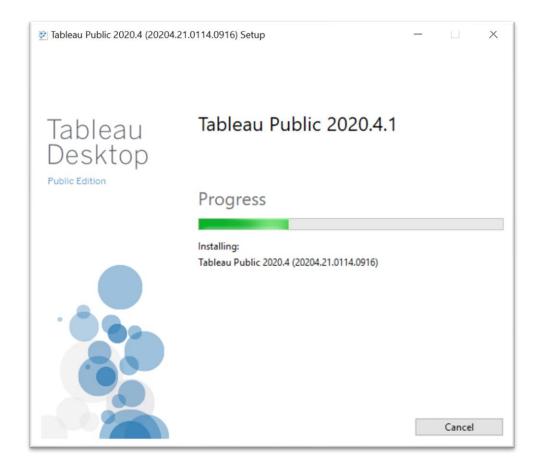






Open the downloaded file. Accept the terms and conditions and click on "Install" button.











The Start Screen of Tableau after installation.

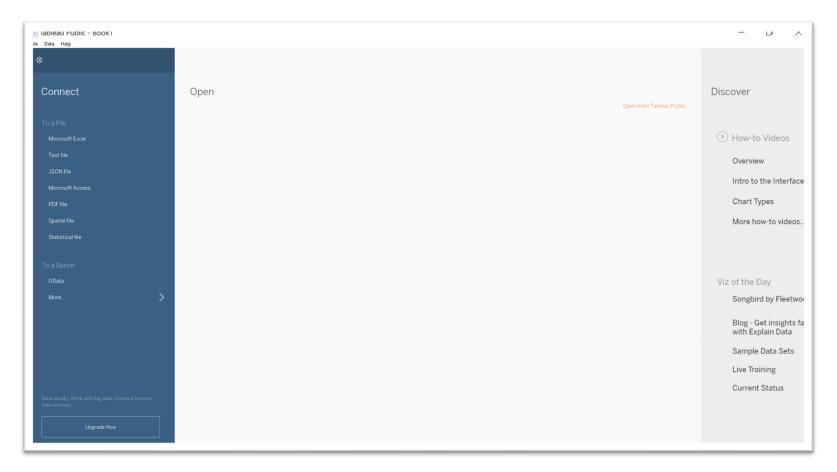
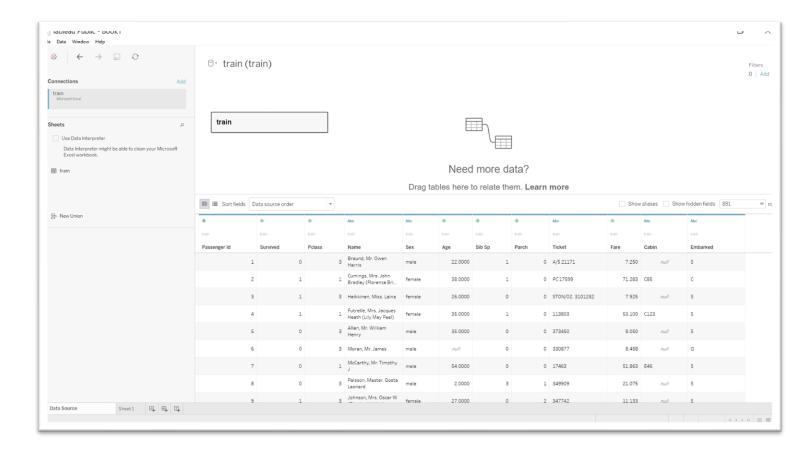








Tableau can connect to various types of data sources.

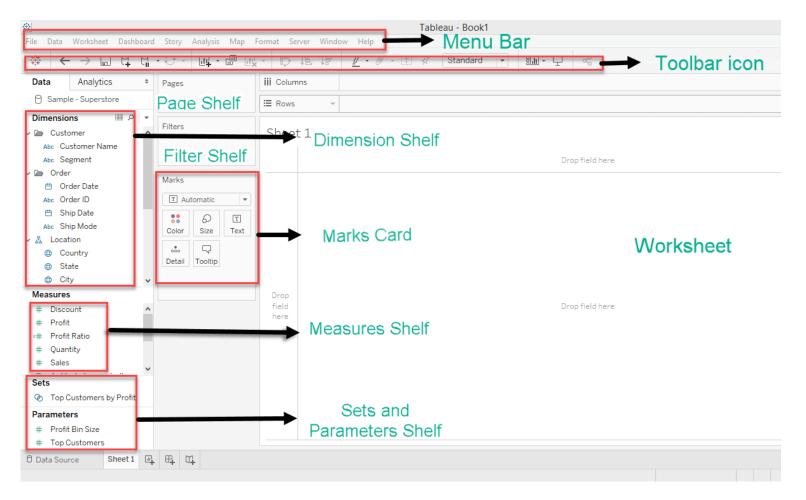


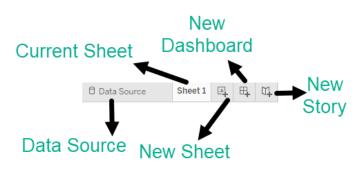






### **Tableau Public Workspace**



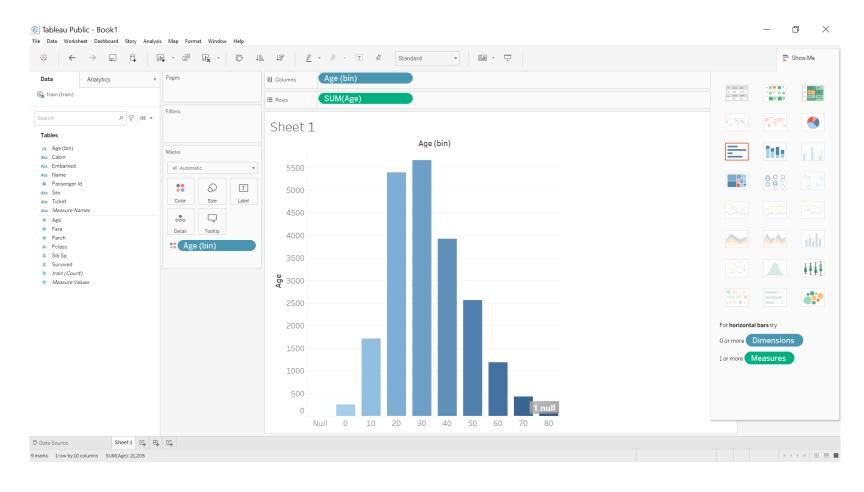








### Your first visualization

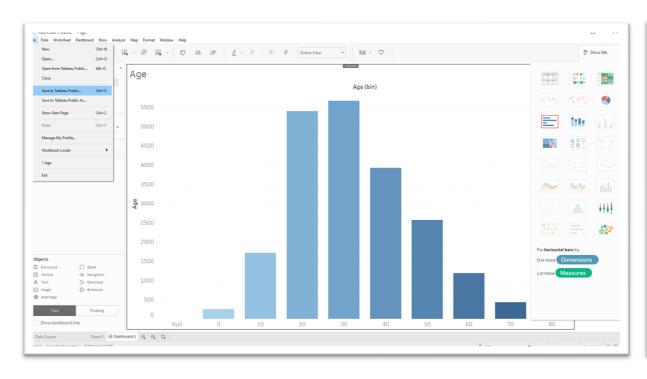


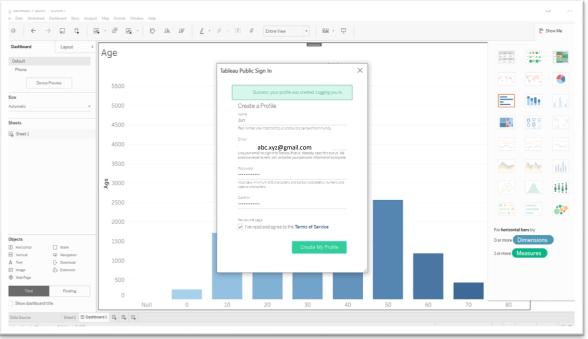






### **Dashboard and Exportation**



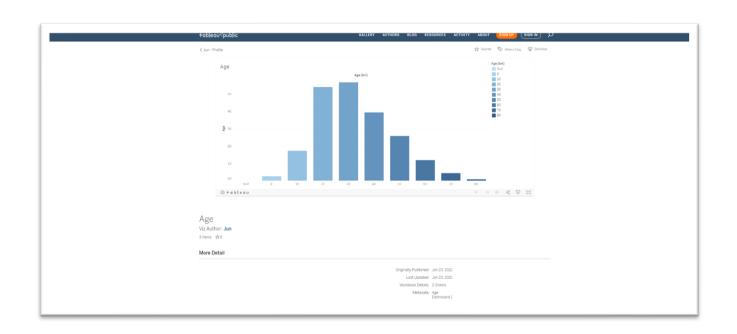








### Share Visualizations on a Website











# I Thank You

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