



# Power BI Training- Introduction to BI & Data Analytics



This is a Practical Hands on Workshop based course, to learn Data Analytics and Business Intelligence ( BI ) with Microsoft Power BI Desktop

- 1. Understanding Business Intelligence (BI ), Self Service BI , Data Analytics & Data Visualization**
- 2. Introduction to Microsoft Power BI**
- 3. Data Discovery** ( Connecting & Shaping Data with Power BI Desktop )
- 4. Data Modelling** ( Creating Relationship, Star Schema , DAX )
- 5. Data Visualization** ( Reports , Dashboard )
- 6. Reports Distribution** ( Power BI Services )



Business Intelligence (BI),  
Self Service BI,  
Data Analytics  
&  
Data Visualization  
Introduction



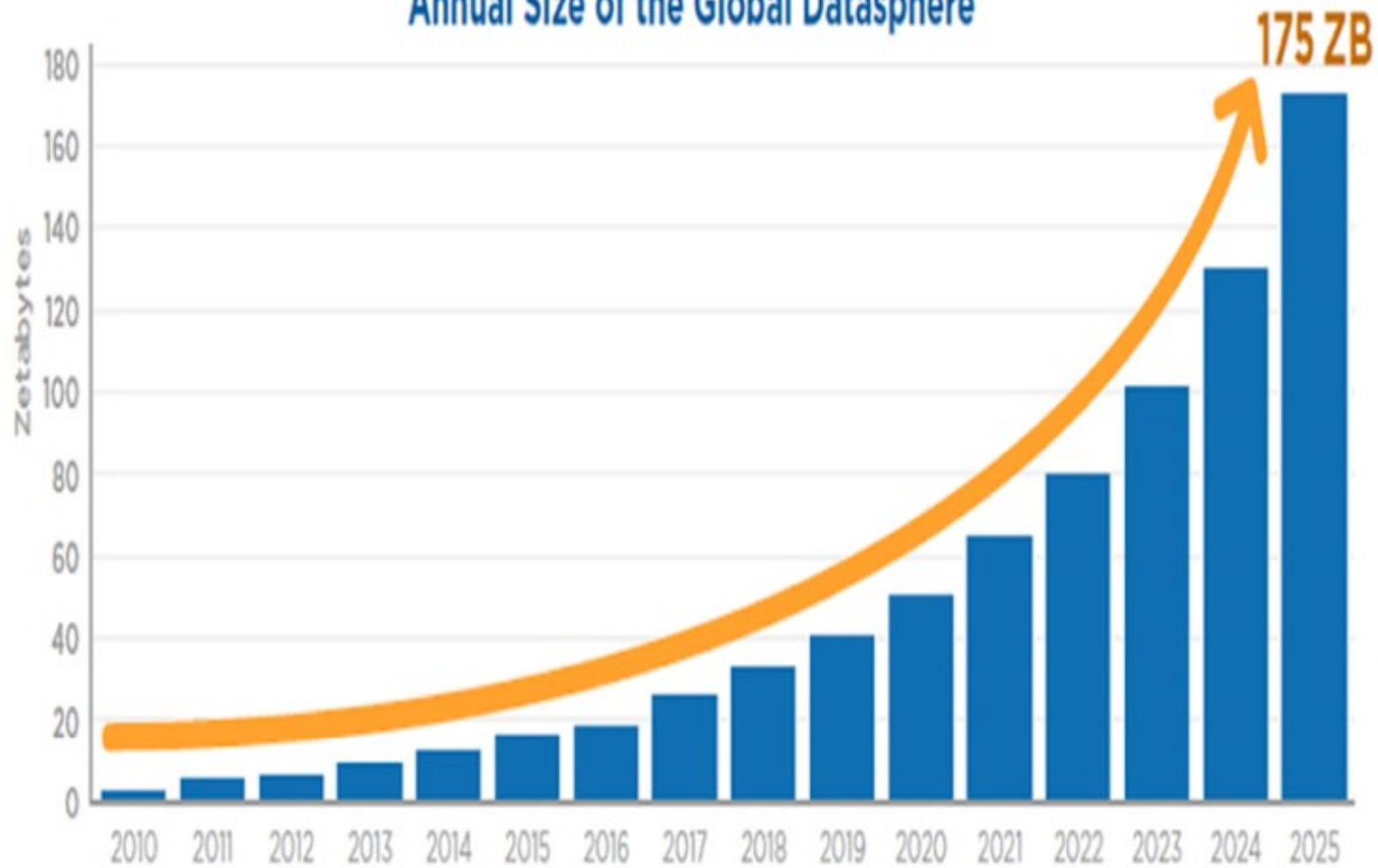


# BUSINESS INTELLIGENCE

- Business Intelligence (BI) refers to **technologies, applications and practices** for the **collection, integration, analysis**, and **presentation** of business information
- The Purpose of Business Intelligence is to support **Better Business Decision Making** via **Data Analytics** .
- **Data analytics** is the process of examining data in order to find **valuable knowledge** and **actionable insights** from the Raw Data with the aid of specialized systems and software.



## Annual Size of the Global Datasphere



Source: Data Age 2025, sponsored by Seagate with data from IDC Global DataSphere, Nov 2018



# WHERE IS DATA COMING FROM?

## BIG IN GROWTH, TOO.

1 exabyte (EB) = 1,000,000,000,000,000 bytes



# SELF SERVICE BI

- With self-service bi, business users are able to filter, segment, and analyze their data like never before, **without the in-depth technical knowledge** that most analytical systems have required in the past.
- **Identify Your Users** - Who are your "**casual users**," such as employees and managers, and who are your "**power users**" like data analysts , data scientists and software developers.
- Casual users just want to pop in and pull some reports or view their KPI dashboard.
- The power users group – which is really just 10% of your users at best who have that training, who can program, programmatically access data **really do need self-service.**





# WHY IS DATA ANALYTICS & SELF SERVICE BI IMPORTANT?

- In 2020 the world's data is expected to reach 45ZB.
- Within these data are huge, unparalleled opportunities for human advancement. But to turn opportunities into reality, people need the power of data at their fingertips.
- Microsoft PowerBI is helping People Do Exactly This.





## How Big is Big?

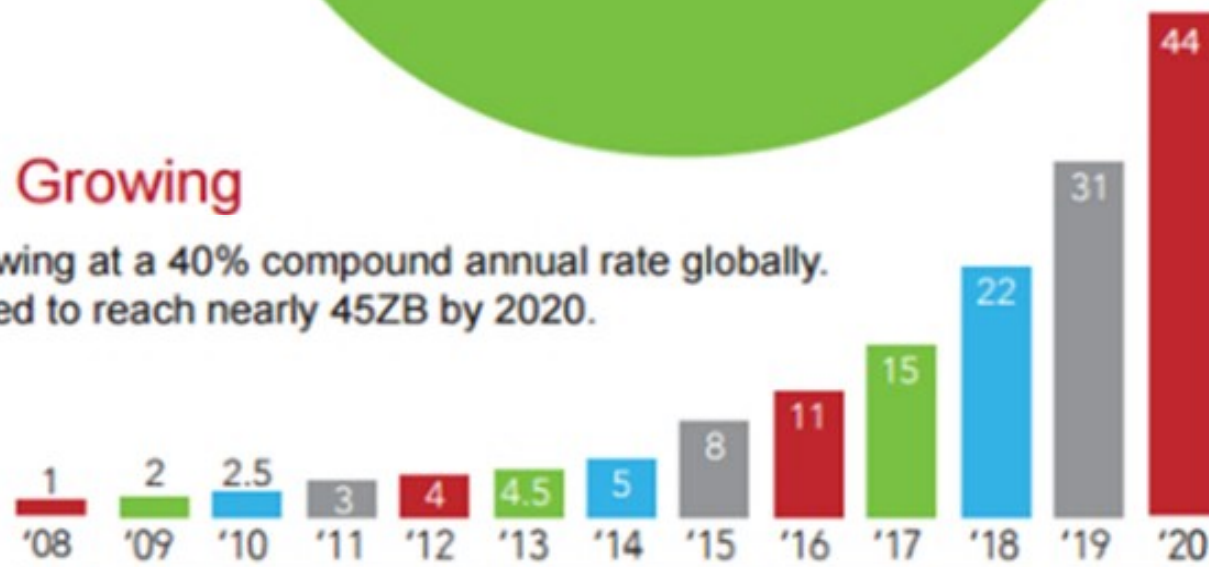
1,000 gigabytes =  
**1 terabyte**

1 million terabytes =  
**1 exabyte**

1 billion terabytes =  
**1 zettabyte**

## And It's Growing

Data is growing at a 40% compound annual rate globally.  
It is expected to reach nearly 45ZB by 2020.



Data in zettabytes (ZB)

Source: Oracle 2012

# Business Tools

