



**Marwadi**  
**University**  
Marwadi Chandarana Group

MARWADI EDUCATION FOUNDATION'S GROUP OF INSTITUTIONS  
GAURIDAD CAMPUS, RAJKOT  
DEPARTMENT OF INFORMATION AND COMMUNICATION TECHNOLOGY

**Data Discovery**  
**using**  
**Tableau**  
**Date: 25-03-2023**  
**Event Report**

"DATA DISCOVERY WITH TABLEAU" is an event organized by the Data Science Club at MA 115 on 25/03/2023. It was hands-on training session which covered basic tutorial of Tableau, data visualization and creating a dashboard.

The flow of the event is as follows:

## 1. What is Tableau?

Tableau is a powerful and fastest growing data visualization tool. It helps in simplifying raw data in a very easily understandable format. Tableau helps create the data that can be understood by professionals at any level in an organization. It also allows non-technical users to create customized dashboards.

## 2. Uses of Tableau:

Usage of Tableau software are listed below:

- Business Intelligence
- Data Visualization
- Data Collaboration
- Query translation into visualization
- To create no-code data queries
- Real-time data analysis
- To manage large size metadata
- To import large size of data

Ever since it was introduced, this data visualization tool is used for the Business Intelligence industry. Organizations like Amazon, Walmart, Accenture, Lenovo, and so on widely use Tableau.

## 3. What is Data Visualization in Tableau?

- Data Visualization is a pictorial representation of a dataset or information using maps, graphs, charts, and other visual elements.
- Data Visualization helps in easy understanding of the trend, insights, patterns, and other connections in a Dataset.

## 4. How does Tableau work?

- The major work of Tableau software is to connect and extract the data stored in various places.
- It can pull data from any platform.
- Tableau can extract data from any database, Excel, PDF, Oracle, or even Amazon web Services.
- Once Tableau is launched, ready data connectors are available which allow you to connect to any database.
- The data extracted can be connected live to the Tableau data engine, Tableau Desktop.
- This is where Data Engineer works with the data that was pulled up and develop visualization.



- The created dashboards are shared with users in the form of static files. The users receiving dashboards view the files using Tableau Reader.
- The data extracted from Tableau Desktop can be published to Tableau server which is an enterprise platform where collaboration, distribution, governance, security model, and automation features are supported.
- Using Tableau Server, end users can access the files from all locations, be it a desktop or a mobile phone.

## 5. Tableau vs Excel

- Excel and Tableau are data analysis tools, but both have a unique approach to data exploration.
- Where Excel works with columns and rows in spreadsheets, Tableau explores the Excel data using its drag-and-drop feature.

It formats the data in graphs and pictures that are easy to understand.

| Tableau  | MS Excel  |
|--|---|
| Tableau is basically a data visualization tool which provides pictorial and graphical representations of data.   | Excel is basically a spreadsheet for working with data in rows and columns. You need to first represent your data into a tabular format and then you can apply visualizations on top of it.   |
| In Tableau, you can gain insights that you never thought possible. You can play with interactive visualizations, deploy data drilling tools, and explore various data that is available, and you don't need to have any specific knowledge of the insight you are looking for. | When it comes to Excel, you need to have a prior knowledge of the insight that you want and then work with various formulae in order to get there, along with that tabulation is also needed. |
| With Tableau, it is all about an easy and interactive approach.  | In Excel, you need to have some programming in order to come up with real-time data visualization.  |

## 6. Dashboard VS Report

- Dashboards and reports can work together to give a comprehensive view of trends and insights, but they are different.
- Dashboards can be updated in near-real time using cloud-based technology.
- Reports, on the other hand, are static—they offer detail, but the end user must extract insights from a compilation of data.
- They tend to be visual and interactive, allowing the user to engage with the information and create their own analysis.

## 7. Web scraping

- Web scraping is data scraping used for extracting data from websites.

### List Of Participants:

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## PHOTOS :





### Feedback Form:

  
Marwadi University  
Marwadi Chandarana Group

Club Name: Data science club      Date: 3/25/2023  
Event Name: Data discovery with Tableau

How would you rate the overall event experience?(Select one)

Poor  
 Average  
 Good  
 Very Good  
 Excellent

How satisfied were you with the quality of the speakers/presenters?(Select one)

Highly Satisfied  
 Satisfied  
 Neutral  
 Dissatisfied  
 Highly dissatisfied

How satisfied were you with the flow of the event?(Select one)

Highly Satisfied  
 Satisfied  
 Neutral  
 Dissatisfied  
 Highly dissatisfied

Was the content relevant to your technical interests and knowledge level?(Select one)

Extremely Relevant  
 Slightly Relevant  
 Neutral  
 Slightly Relevant  
 Not relevant at all

Any Other comments that you would like to mention?

Event was highly impressive, We should  
continue organizing such events.

  
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Was the content relevant to your technical interests and knowledge level?(Select one)

Extremely Relevant  
 Slightly Relevant  
 Neutral  
 Slightly Relevant  
 Not relevant at all

Any Other comments that you would like to mention?

The event flow is good but the installation  
process is too time consuming so if we  
can do some on that then it will  
be good.

