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| **SESSION** | **AUG/SEP 2023** |
| **PROGRAM** | **MASTER OF BUSINESS ADMINISTRATION (MBA)** |
| **SEMESTER** | **III** |
| **COURSE CODE & NAME** | **DADS304 - VISUALIZATION** |
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**Assignment Set – 1**

**1. What do you mean by Visualization? What are the types of visualization? 10**

**Ans 1.**

**Visualization: Understanding and Types**

Visualization refers to the process of representing data or concepts visually, utilizing tools such as graphs, charts, maps, and other visual aids to convey information effectively. This practice is integral in various fields, including business, science, education, and technology, aiding in the interpretation and communication of complex data.

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whatsapp no 8791490301.

**2. What are scatter plots? Explain different types of Scatter Plots. 10**

**Ans 2.**

Scatter plots are a fundamental tool in data visualization, widely used for exploring relationships between two quantitative variables. These graphs display points, each representing an observation in the dataset, with the position of each point determined by the values of two variabl

**3. What are Tree Maps? Where can we use this type of visualization? 10**

**Ans 3.**

Tree maps, a form of data visualization, effectively represent hierarchical data through nested rectangles. Each branch of the tree is represented by a rectangle, which is then subdivided into smaller rectangles representing sub-branches. The size and color of these rectangles can be varied, making tree maps an excellent tool for displaying proportions among data points at different hierarchical levels.

**Origin**

**Assignment Set – 2**

**4. Differentiate between Power BI and Tableau 10**

**Ans 4.**

Differentiating between Power BI and Tableau requires an understanding of their respective features, user interfaces, integration capabilities, pricing, and suitability for different types of users and organizations. Both Power BI and Tableau are powerful tools in the realm of business intelligence and data visualization, each offering unique strengths that cater to various business needs.

**Power BI: An**

**5. Write Short Notes on the following:**

**a. ggplot**

**b. Drill Down (Power BI)**

**c. Slicer**

**d. Calculated Field 2.5\*4**

**Ans 5.**

In the field of data analysis and visualization, several tools and techniques play pivotal roles in transforming raw data into insightful, comprehensible visual representations. This discussion focuses on four such elements: ggplot, Drill Down (Power BI), Slicer, and Calculated Field,

**6. How does visualization help in business decisions? Explain 10**

**Ans 6.**

Visualization plays a pivotal role in business decision-making, acting as a powerful tool to interpret and communicate complex data in an accessible and compelling manner. By transforming raw data into visual formats such as charts, graphs, and maps, visualization enables decision-makers to see analytics presented visually, thereby simplifying the complexities involved in