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(An Autonomous Institute Affiliated to Savitribai Phule Pune University, Pune)
NAAC 'A' Grade Accredited, ISO 9001:2015 Certified
Department of Information Technology
NBA Accredited-UG Program

Class: S.Y. B. Tech Semester: IV
Subject: Data Visualization and Story Telling (SEIT261)

Practical No.: 11

Title:

Implementing assignment based on deployment in tableau,

Software Requirements:

- Tableau Public

Objectives:

- Understand the Deployment Workflow in Tableau
- Demonstrate the Ability to Publish and Manage Dashboards
- Utilize Best Practices for Deployment and Maintenance

Theory:

Deployment in Tableau refers to the process of taking a developed dashboard or visualization and making it available to end-users through platforms like Tableau Server or Tableau Cloud. This step is crucial in the business intelligence lifecycle as it transforms local development into a collaborative, accessible solution for stakeholders.

deployment in Tableau refers to setting up user access and permissions for published content on Tableau Server or Tableau Cloud. This is done by assigning roles and permissions to specific users or groups, allowing them to view, interact with, and potentially manage published workbooks and data sources. This process ensures that the correct people have the appropriate access to the data and visualizations.

1. Understanding Tableau Server/Cloud Roles and Permissions:

Tableau Server:

- Administrators manage the overall server, including users, groups, and security settings.
- Content Managers oversee the lifecycle of content (workbooks, data sources) on the server.
- Content Creators are users who publish and update content.
- Viewers have read-only access to published content.

Tableau Cloud:

- Similar roles and permissions apply, but the interface and management tools are web-based.

2. Setting up Assignments (Permissions):

Content Management:

- Administrators or Content Managers typically set up initial permissions.
- They assign roles (e.g., Viewer, Editor) to users or groups for specific workbooks, data sources, or entire sites/projects.

Fine-grained control:

- Permissions can be configured to restrict access to individual worksheets or specific aspects of a workbook.

Group-based assignment:

- Assigning permissions to groups allows for easy management of access for large teams.

3. Deployment Considerations:

- **Production vs. Development:**
  - Assignments should be carefully considered for different environments (development, testing, production) to ensure data security and prevent unauthorized access.
- **Data sensitivity:**
  - Assignments should reflect the sensitivity of the data being visualized.
- **Scalability:**
  - For large organizations, a well-defined assignment strategy is crucial for managing permissions as the user base grows.

4. Tools for Implementing Assignments:

Tableau Server/Cloud Administration:

- The Tableau Server or Cloud administration interface provides tools for managing users, groups, and permissions.

Tableau Desktop:

- When publishing, users can specify the intended access level for the published content.

In essence, implementing assignments based on deployment in Tableau involves:

- **Defining Roles:** Determine the different access levels needed (e.g., Viewer, Editor, Administrator).
- **Setting Up Permissions:** Assign roles to users or groups based on their access needs.
- **Managing Content Access:** Control which users/groups can see, interact with, or manage specific workbooks and data sources.

- **Deployment Considerations:** Ensure security and manageability across different environments.

This process is vital for ensuring data security, promoting collaboration, and enabling effective use of Tableau analytics across an organization.

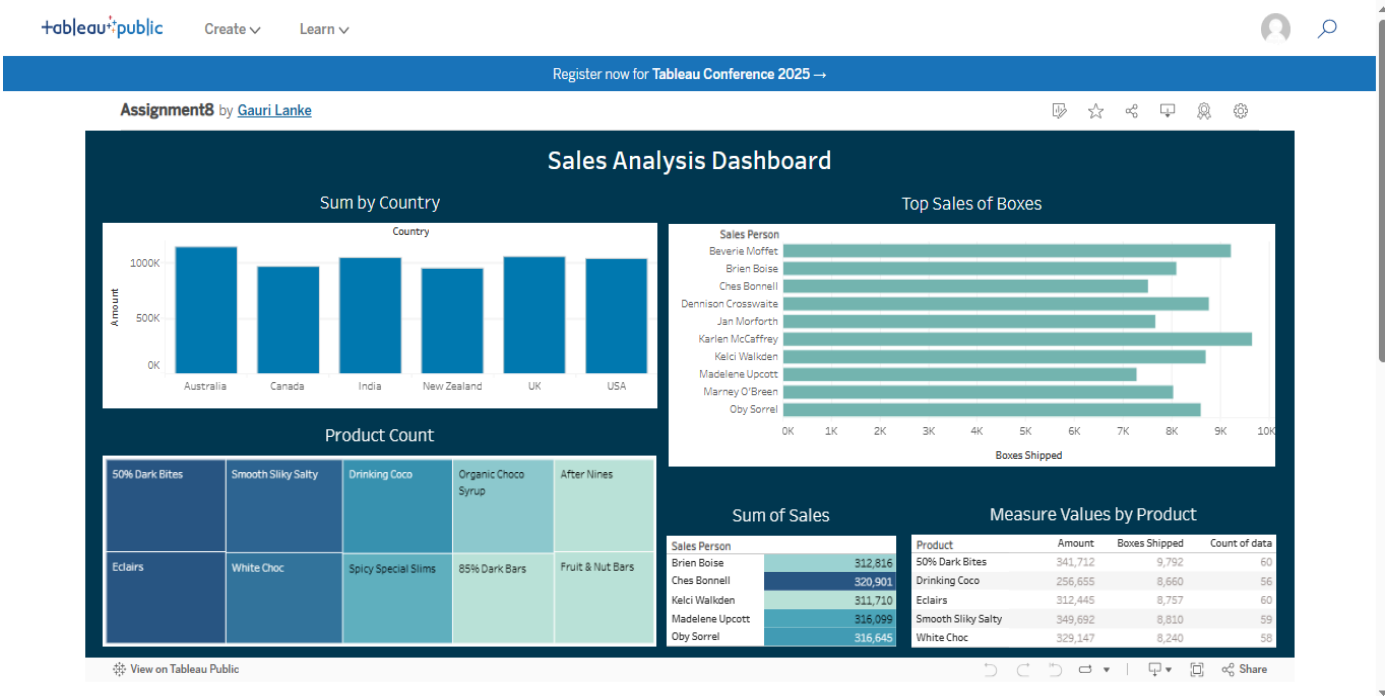

Fig 1. Dashboard Published on Tableau Public

Frequently Asked Questions:

1. What is Tableau deployment?
2. How do I control who can view or edit my dashboard after deployment?
3. What is the difference between Tableau Server and Tableau Cloud?
4. How do I schedule data refreshes for deployed dashboards?
5. Can I automate the deployment of dashboards?

Conclusion:

Thus, Successfully Implemented assignment based on deployment in tableau. It is a crucial step that transforms developed dashboards into accessible, interactive solutions for end-users. By utilizing Tableau Server or Tableau Cloud, users can publish, share, and control permissions for their visualizations. Effective deployment ensures that the dashboards remain updated, secure, and easy to manage. Understanding best practices for deployment helps improve the accessibility and performance of business intelligence tools within an organization.

References:

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