Security and Governance Best Practices in Power BI

Protecting Data and Ensuring Compliance

Importance of Security and Governance

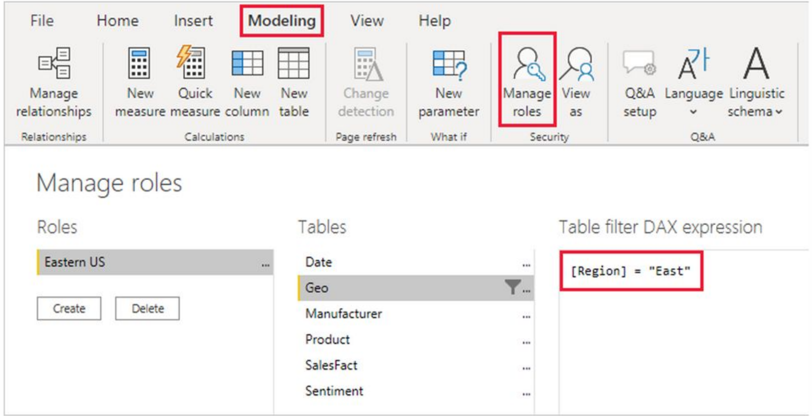
- Overview: Security and governance are critical in data analytics to protect sensitive information and ensure compliance with regulations.
- Impact: Some of the potential risks of inadequate security measures, including data breaches and non-compliance penalties.

Power BI Security Features

- Role-Based Access Control: How Power BI uses role-based access control to manage user permissions and access levels.
- Data Encryption: The use of encryption in Power BI to protect data both at rest and in transit.

Implementing Row-Level Security

- Definition: Row-level security (RLS) and its purpose in restricting data access based on user roles.
- Implementation: How to set up RLS in Power BI to ensure users only see data relevant to their roles.



Manage roles

Roles

Eastern US

Tables

Date
Geo
Manufacturer
Product
SalesFact
Sentiment

Table filter DAX expression

```
[Region] = "East"
```

Governance Policies and Compliance

- Data Governance: The importance of establishing data governance policies to ensure data quality, consistency, and compliance.
- Compliance Standards: Key compliance standards (e.g., GDPR, HIPAA, PCI DSS) and how Power BI helps organizations adhere to them.

Monitoring and Auditing

- Activity Monitoring: How to monitor user activity in Power BI to detect unauthorized access and ensure accountability.
- Audit Logs: The use of audit logs to track changes and access to reports and datasets.

Best Practices for Security and Governance

- Strong Password Policies: Encourage the use of strong passwords and multi-factor authentication for accessing Power BI.
- Regular Reviews: Conduct regular reviews of user access and permissions to ensure they are up to date.
- Training and Awareness: Provide training for users on security best practices and the importance of data governance.

Wrap Up

- Importance of Security and Governance
- Power BI Security Features
- Implementing Row-Level Security
- Governance Policies and Compliance
- Monitoring and Auditing
- Best Practices for Security and Governance

Questions?