## Row-level security

INTERMEDIATE DAX IN POWER BI



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#### What is row-level security?

Row-level security (RLS) in Power BI can be used to restrict data access for given users:

- Way to restrict data access for the logged in user
- You can define roles and rules with Power BI desktop
- A dashboard could look completely different depending on the person accessing it

#### What is row-level security?

Row-Level Security (RLS) uses filters to restrict data at the row level

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Jenny	48,431	East
Jane	76,528	West
Dwayne	24,167	West
Thomas	52,125	East

Region = East

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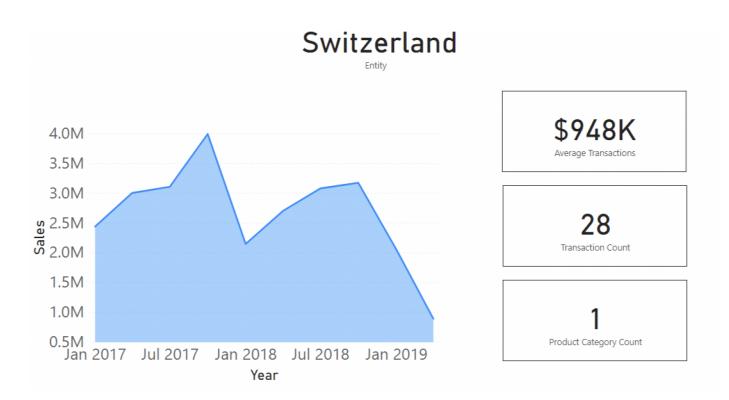
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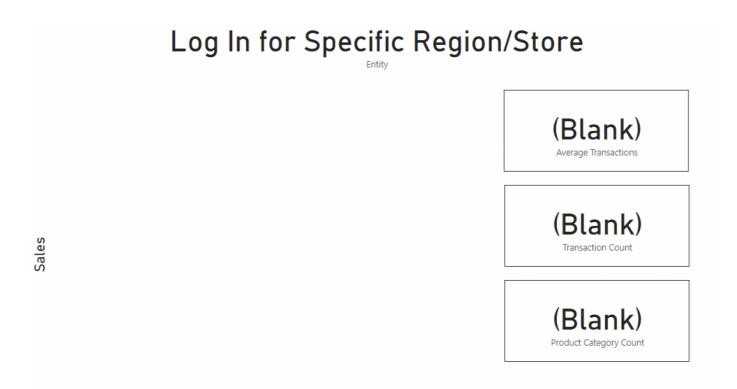
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  - Restricting access requirements for a specific user or group of users
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- General Manager





#### DAX and row-level security

Row-level security utilizes DAX to:

- Provide filtered values at a row level
- Filter on fact or dimension tables
- Example: [Is Salesperson] = True

#### Dynamic row-level security

Ensures users only see the information appropriate for their roles

DAX has two main functions to enable this:

- USERPRINCIPALNAME()
  - Returns the user principal name (UPN), which is equal to the email address
  - Gives the same result in Power BI Desktop and Power BI Service
  - Preferred method
- USERNAME()
  - Alternative method to enable RLS with its own use cases
  - Outside the scope of this course

You can use these functions to create personalized dashboards!

### Let's secure it!

INTERMEDIATE DAX IN POWER BI



# Managed roles in Power Bl

INTERMEDIATE DAX IN POWER BI



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## Let's practice!

INTERMEDIATE DAX IN POWER BI

