

# CEREBRO INTELLIGENCE User Manual

**Data Management**  
v1.0



INTELLIGENCE



# Agenda

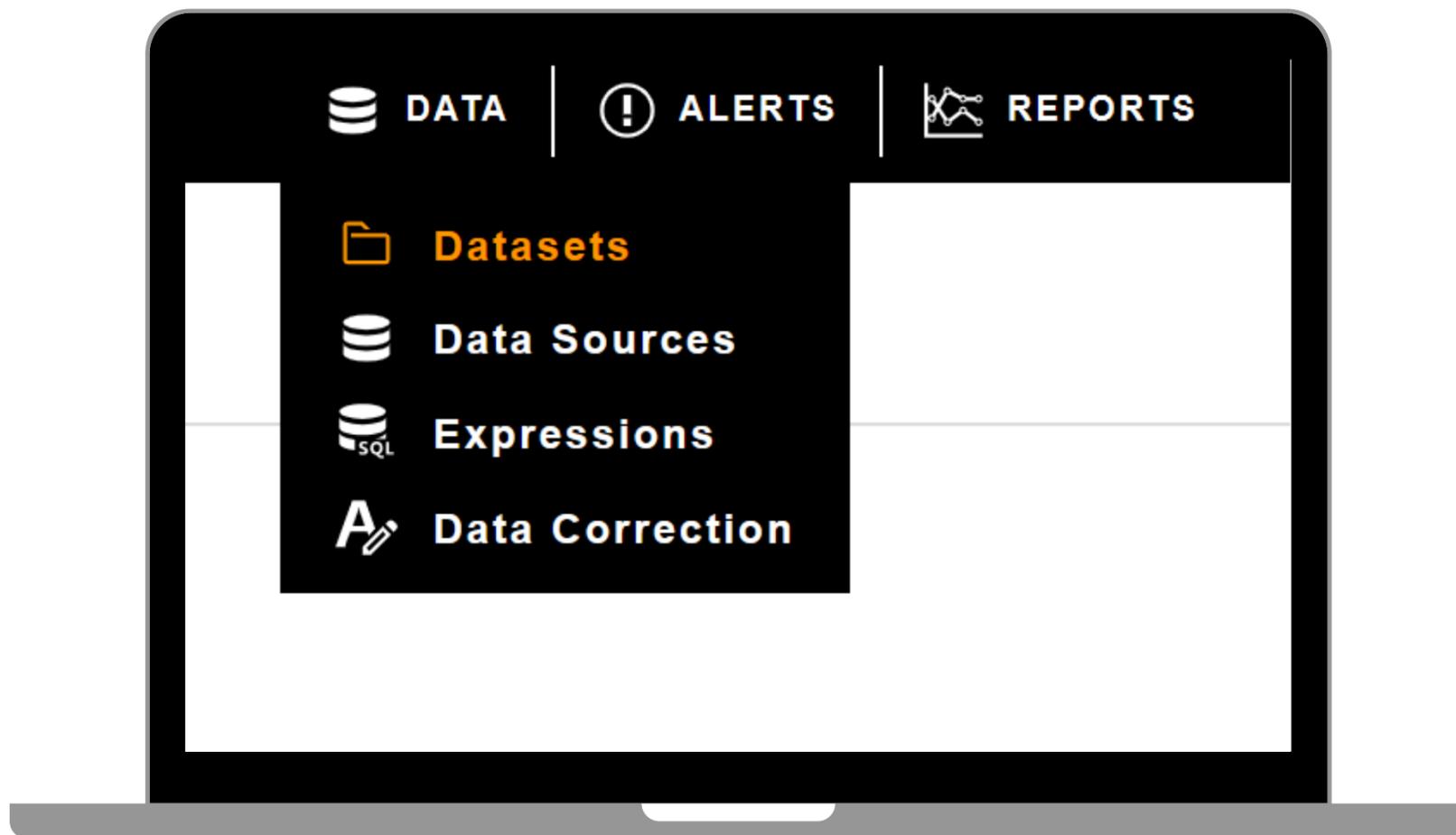
- 1 Dataset
- 2 DataSource
- 3 Expression
- 4 Data Correction
- 5 Data Consumption & Retention



# Dataset

A dataset is a structured schema that serves as the foundation for creating reports and alerts.





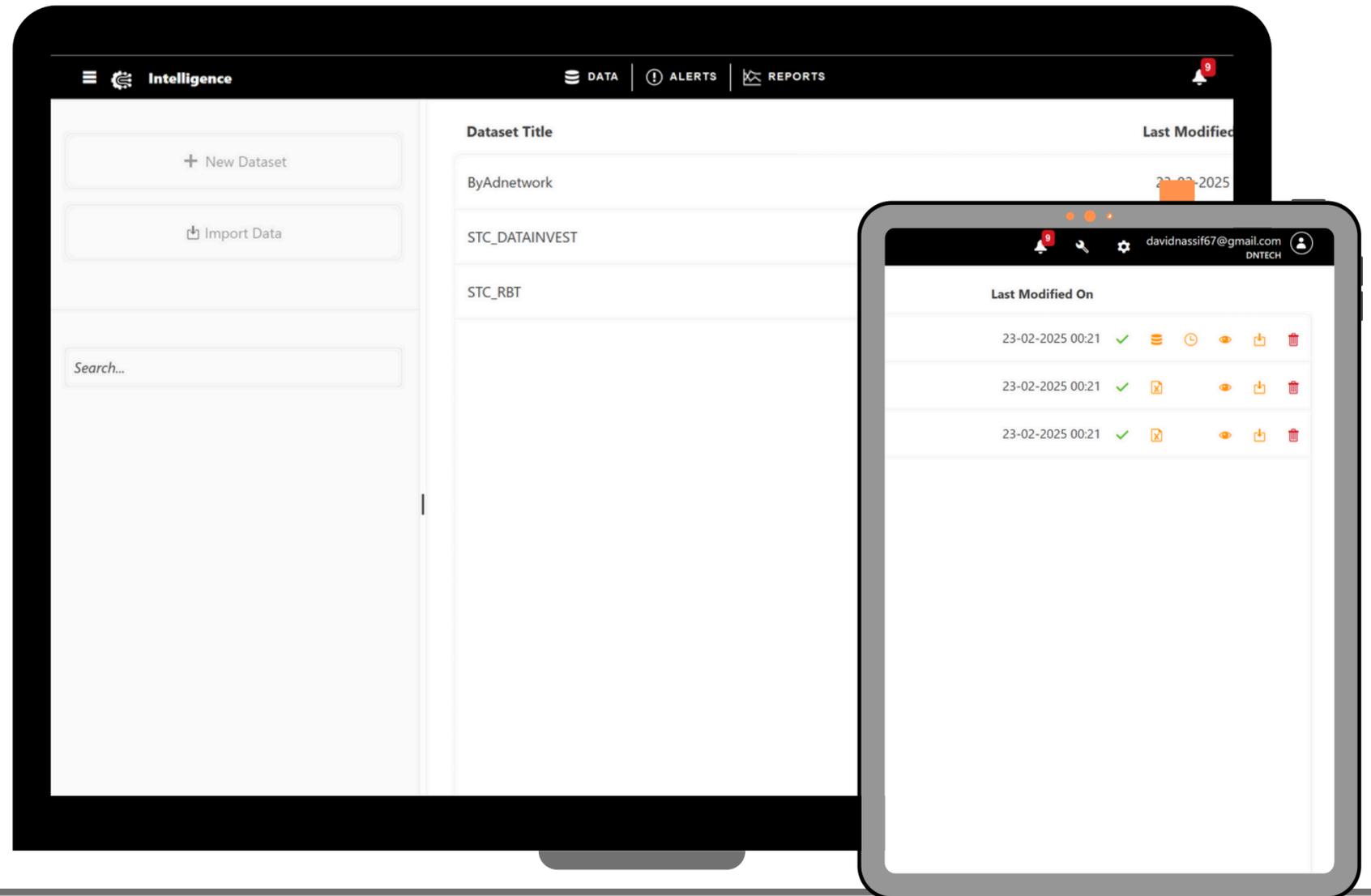
# How to Create a Dataset

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To create a dataset, click the Data button in the top-center main menu, then select Datasets from the submenu to be redirected to the Dataset main page.



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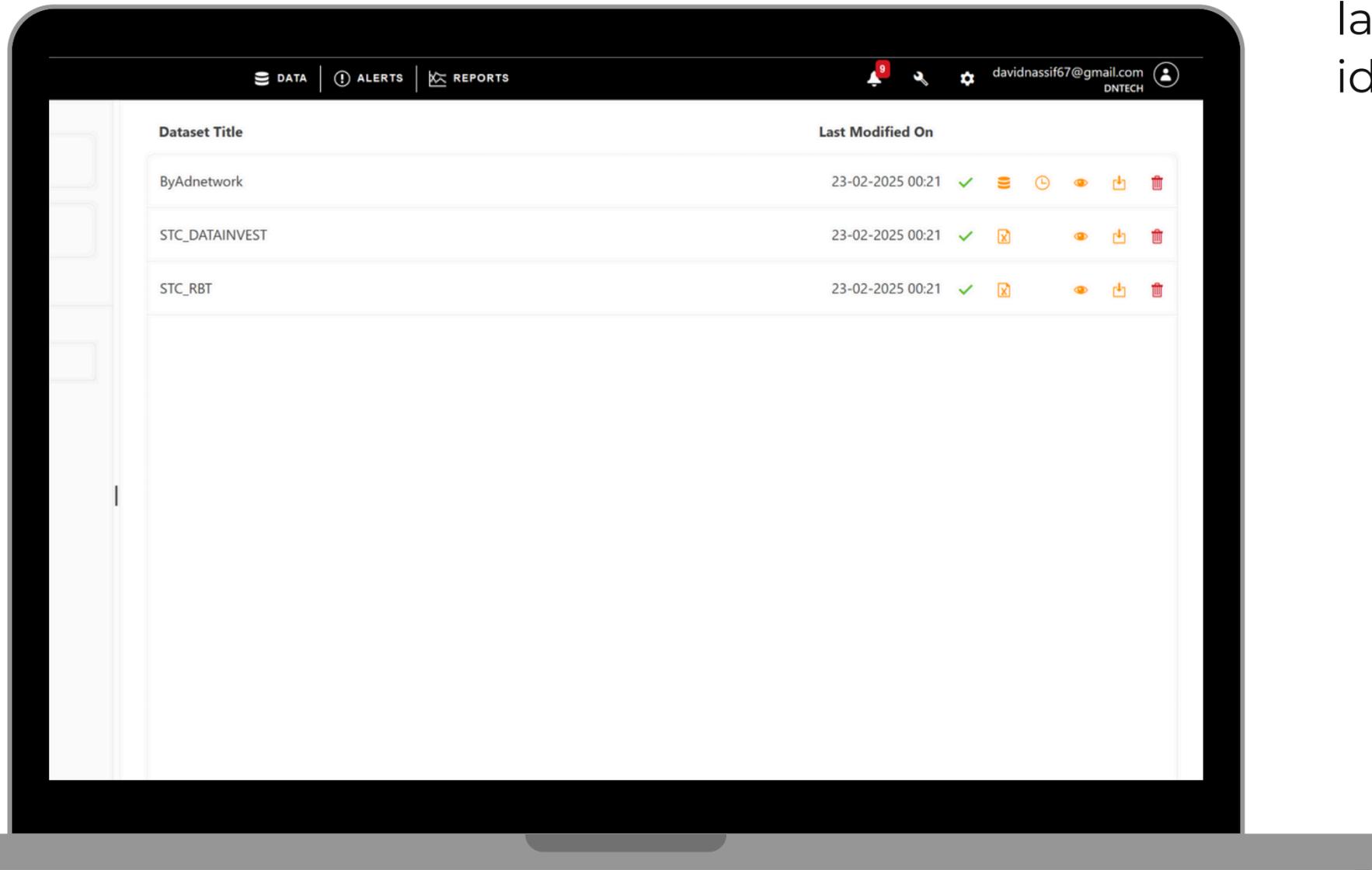


# How to Create a Dataset

On this page, you'll find a list of all previously created datasets. From here, you can create a new dataset, view an existing one, and import data into a dataset.



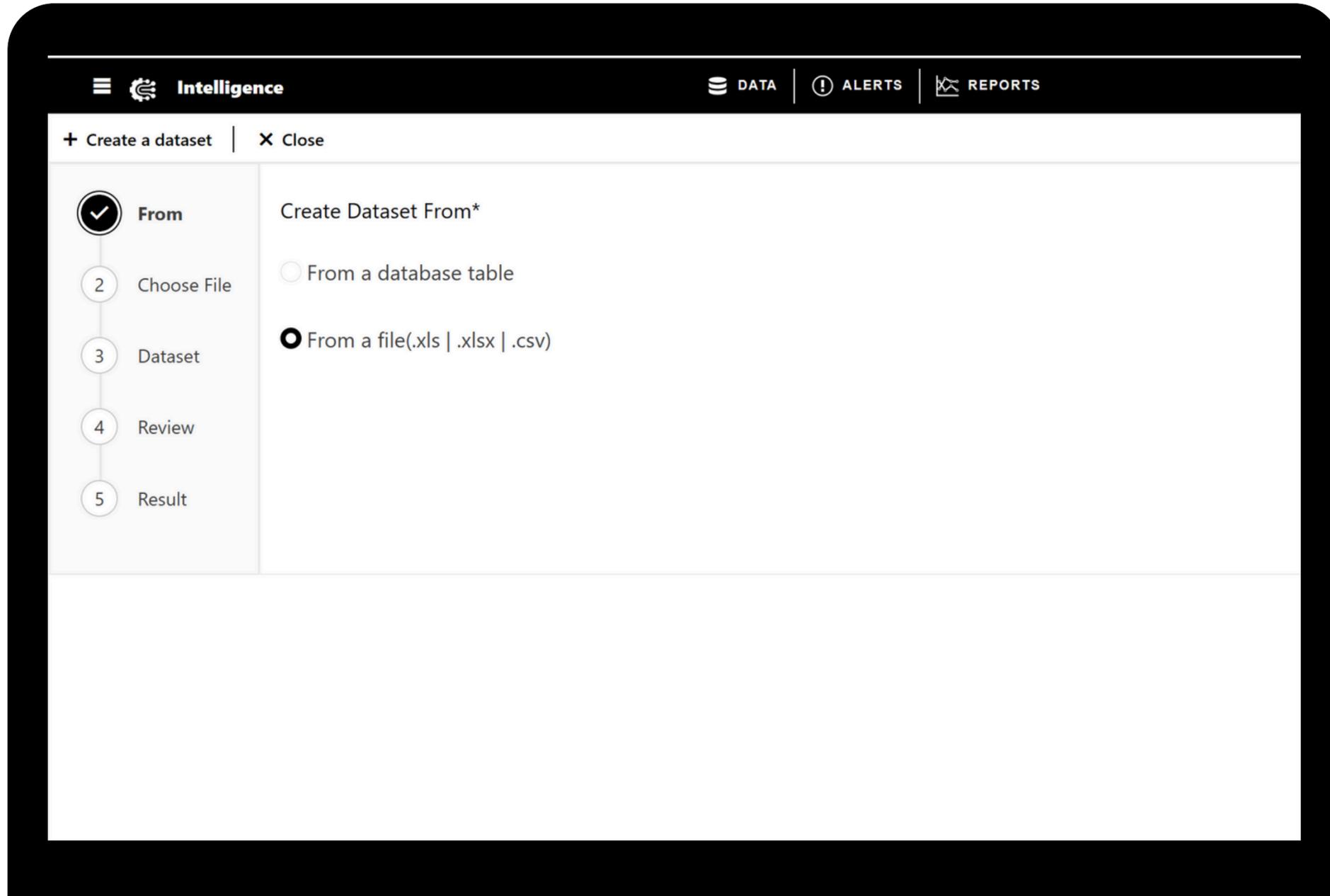
# How to Create a Dataset



From the list, you can see the dataset title, last modified date, and smart icons for quick identification:

- DB Icon → Created using a database connection.
- Excel Icon → Created using an Excel file.
- Timer Icon → Indicates a recurring job (hover to see the interval).
- Eye Icon → Opens the dataset details page.
- Import Icon → Direct shortcut to import data.
- Bin Icon → Deletes the dataset (only if no dependencies exist with data sources, expressions, reports, or alerts).





# How to Create a Dataset

You can create a dataset from a database table connection or an Excel file. Simply select an option and click Next at the bottom right to proceed.



# Create Dataset from File



- 01** Click on Select File, and choose an excel from your device
- 02** Click on Upload Button
- 03** Specify which sheet do you want to use.
- 04** Check Import Data if you want to import data from the selected file
- 05** You can specify the start and end row for importing data
- 06** Select Real Data option if the data inside the file is real otherwise select Mock Data
- 07** Click on Next



# Create Dataset from File

**1** Choose File

**2** Name\*

**3** Title\*

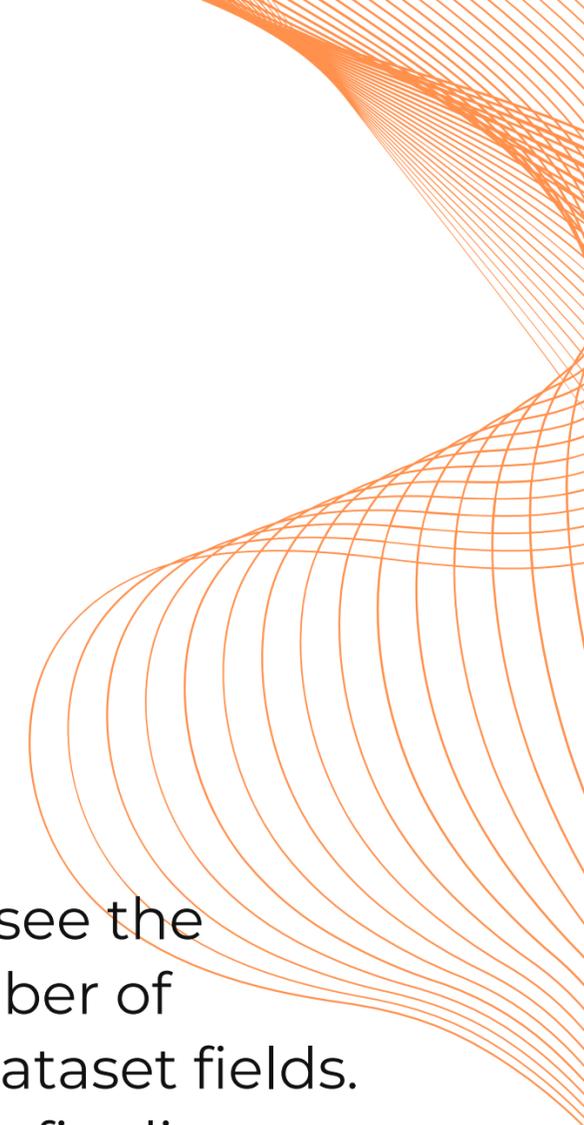
**4** Type\*

Name*	Title*	Type*	IsUTC	IsDecimal	IsLookup	LookupText Column	Lookup Table	Me
BusinessUnit	Business Unit	Text						6
WRH_CLASS	WRH_CLASS	Text						4
Material	Material	Text						7

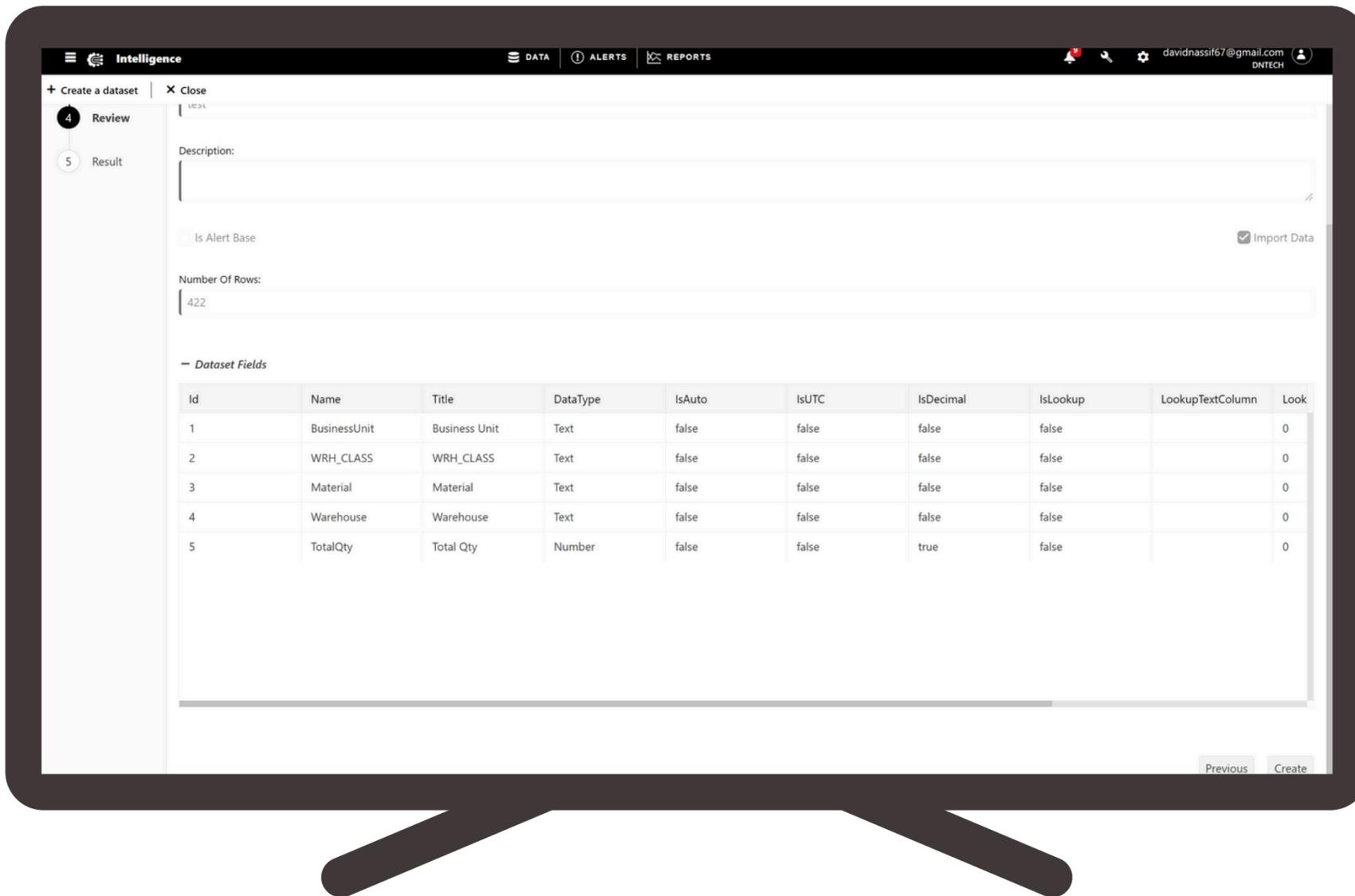
- 01** Insert a name for the dataset
- 02** Insert a title for the dataset
- 03** You can add a description
- 04** You can see all the fields, and make sure the types of the fields are correct, you can update them
- 05** Click Next once done



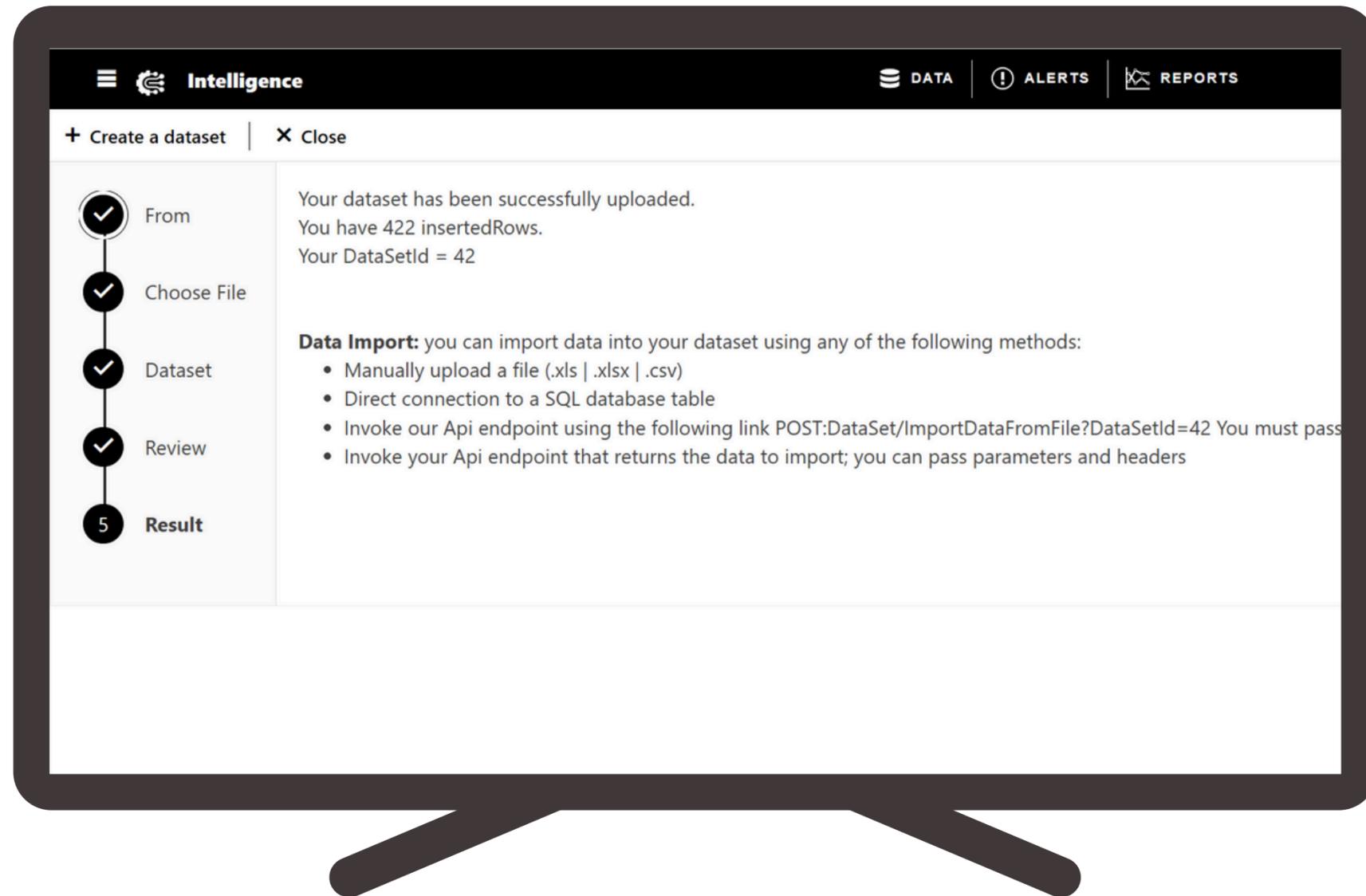
# Create Dataset from File



On the Review page, you can see the dataset title, description, number of records to be imported, and dataset fields. After reviewing, click Create to finalize your new dataset.

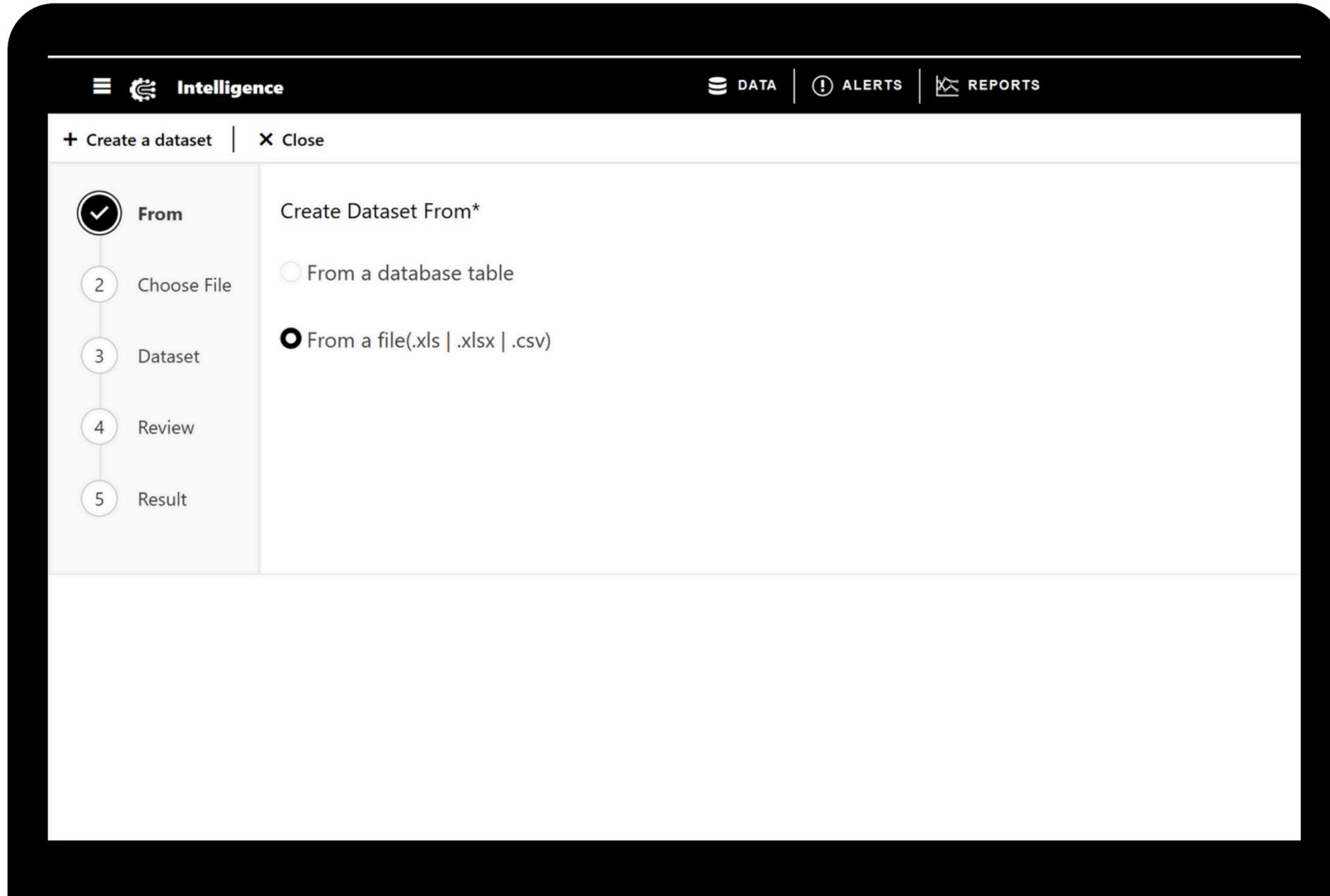


# Create Dataset from File



And voilà! Your dataset is created. On the final page, you'll see the number of imported records. You can now start using it and find it in the list.





# Create Dataset from Database

You can create a dataset from a database table connection by selecting From a Database Table and click Next at the bottom right to proceed.



# Create Dataset from Database

**01** Select Database source

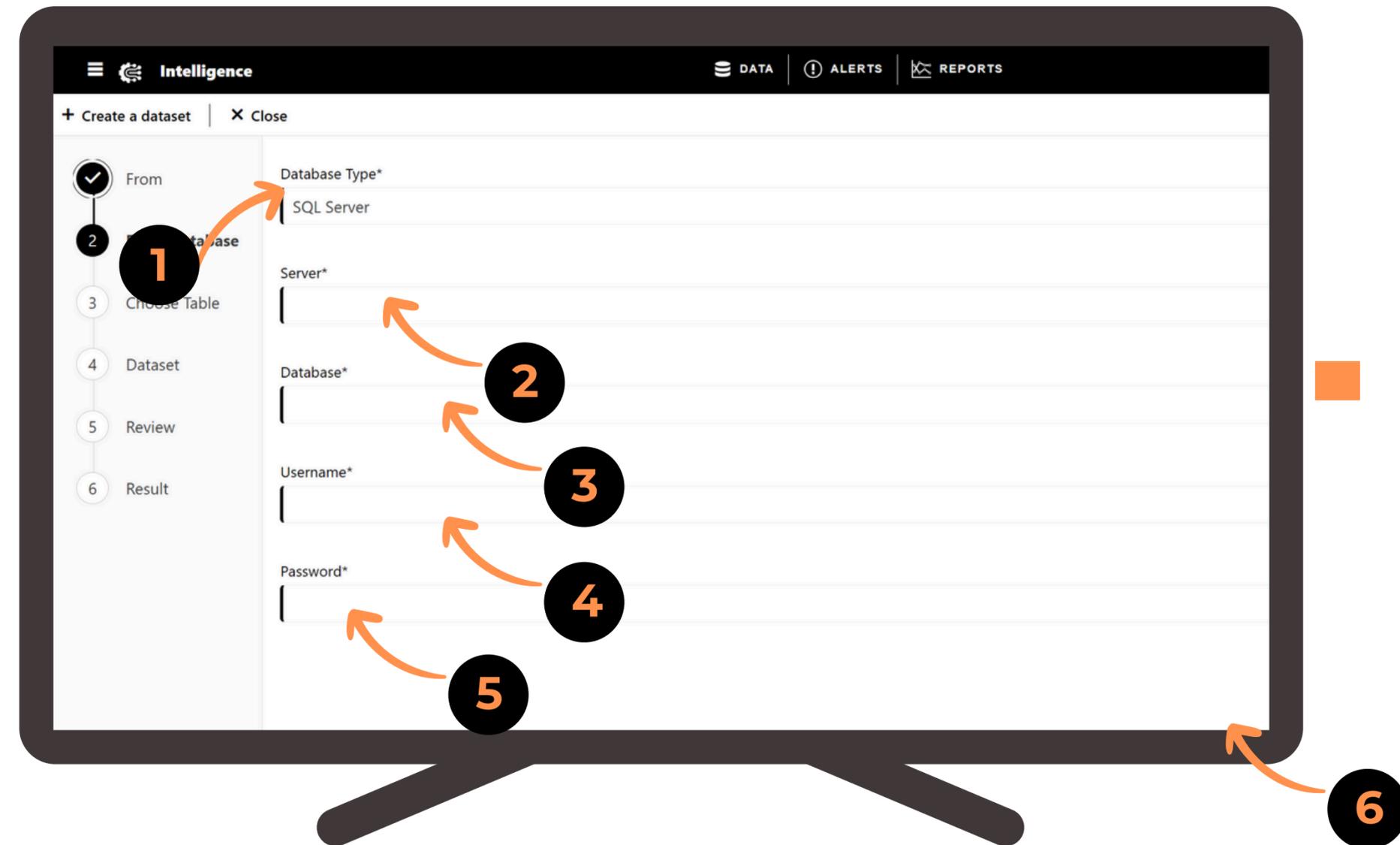
**02** Enter the SQL Server

**03** Enter the database name

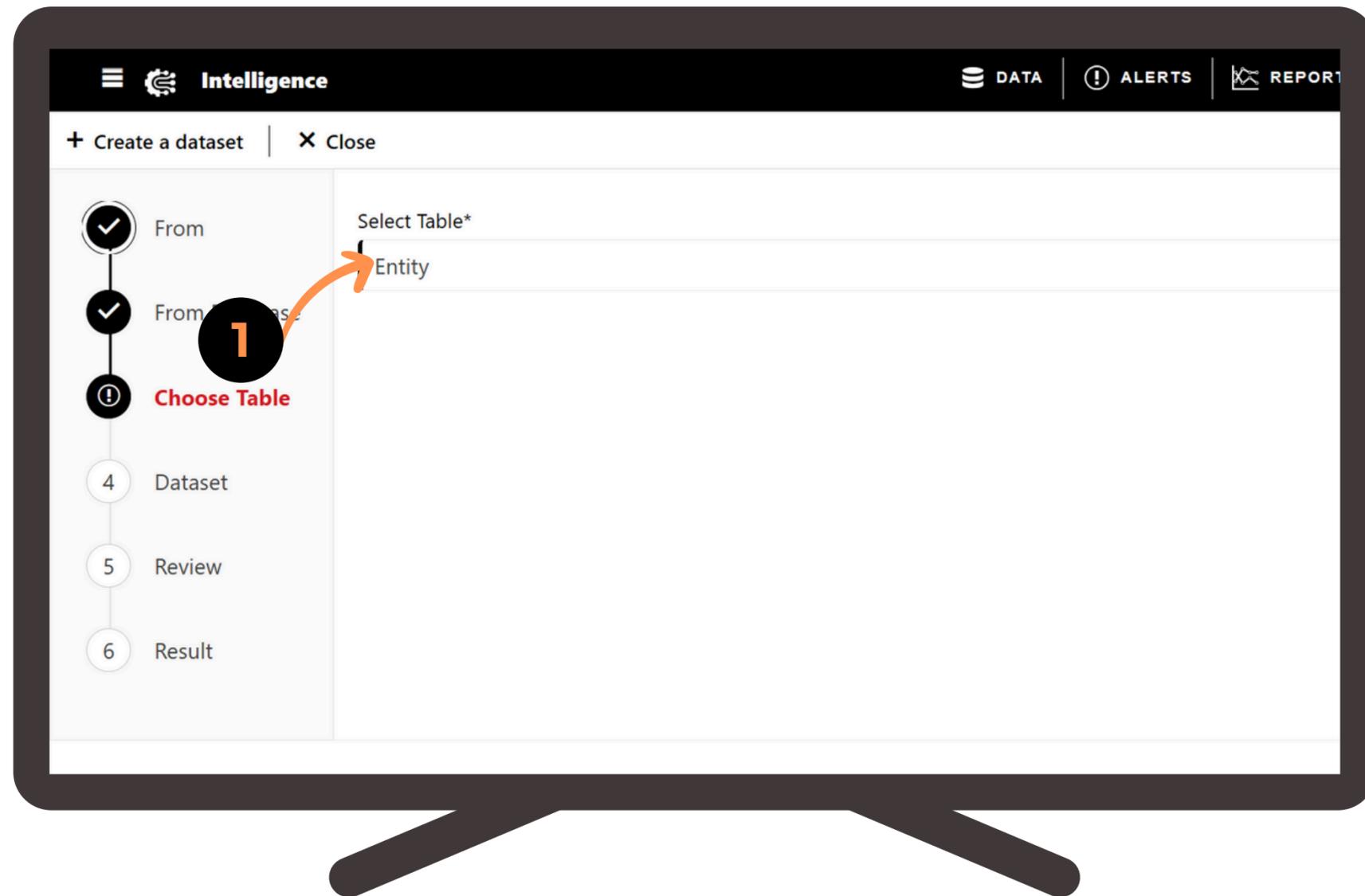
**04** Enter the Database Username

**05** Enter the database Password

**06** Click on Next



# Create Dataset from Database



**01**

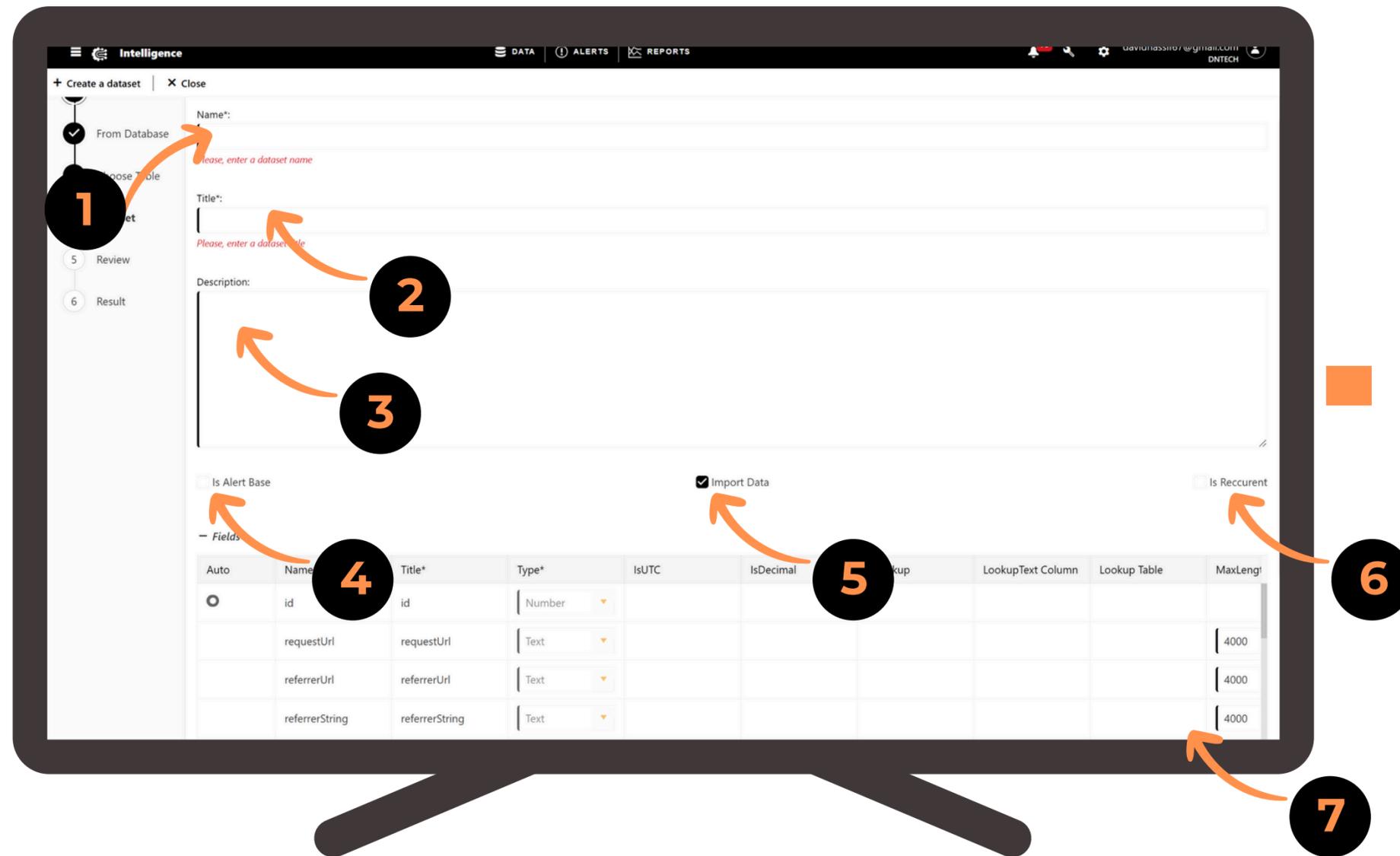
On this page, you only have to select the table name from the Select Table dropdown based on the DB connection configuration



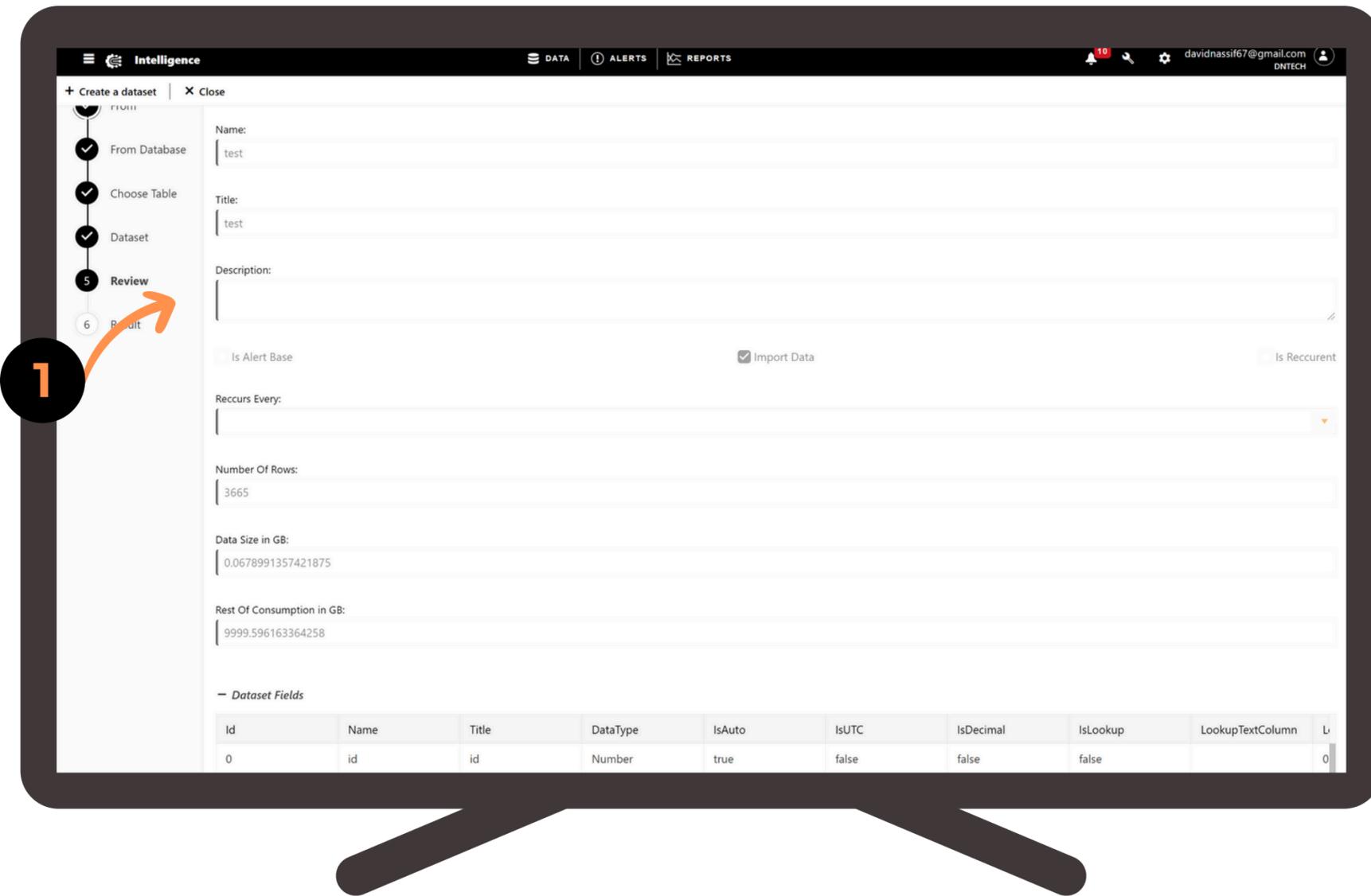
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# Create Dataset from Database

- 01 Enter Dataset Name
- 02 Enter Dataset Title
- 03 Enter Dataset Description
- 04 Check Is Alert Base if you need to create Alerts in the future
- 05 Check Import Data if you want to import data while creating the schema
- 06 Check Is Recurrent to configure recurrent job
- 07 You can see the Data Schema, after that Click Next to Proceed



# Create Dataset from Database



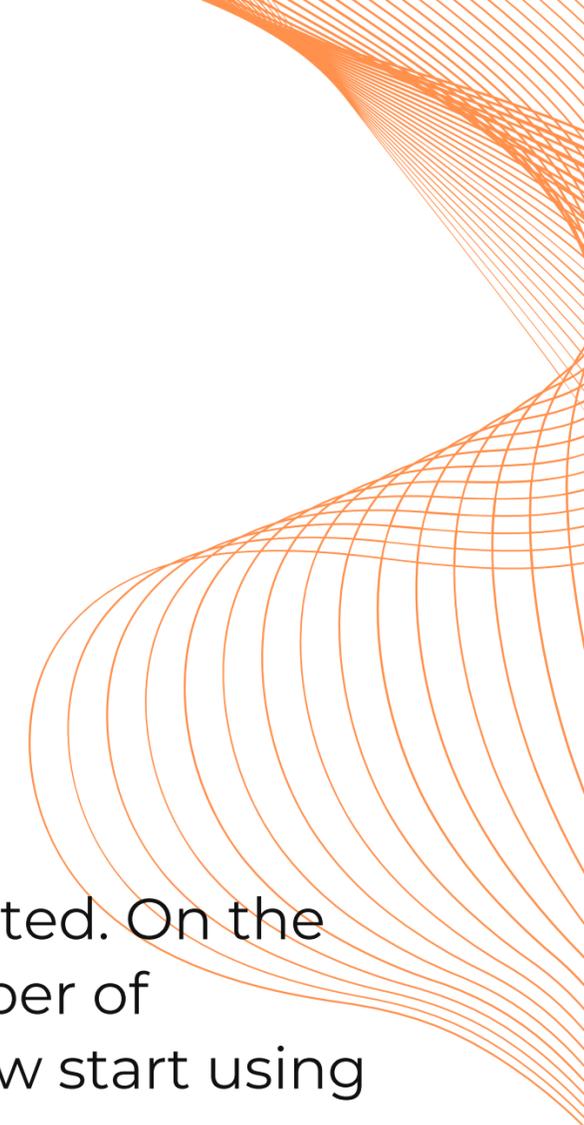
01

On this page, you can review everything before creating the dataset

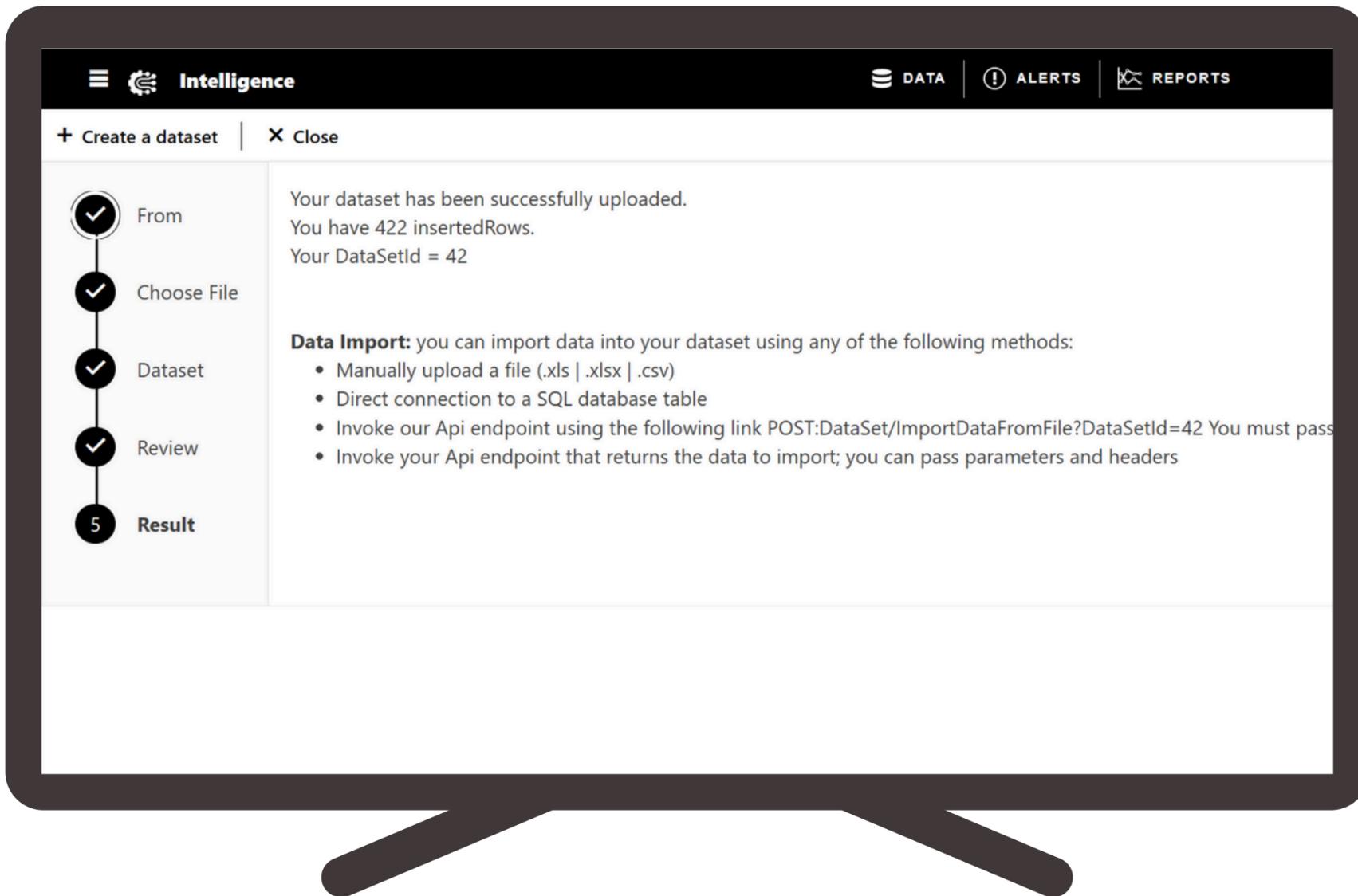


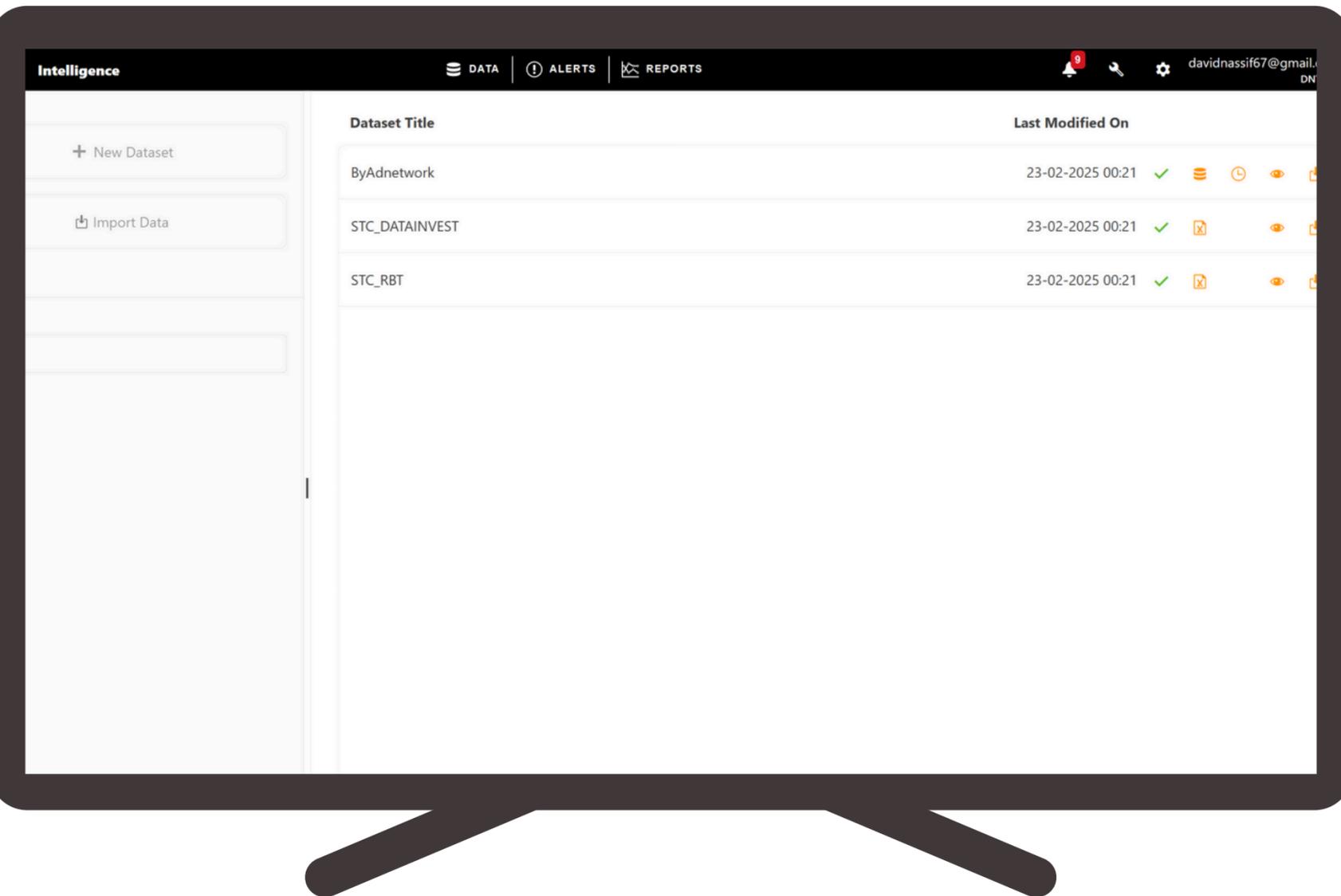
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# Create Dataset from Database



And voilà! Your dataset is created. On the final page, you'll see the number of imported records. You can now start using it and find it in the list.





# View Dataset

To see a specific dataset, click on the eye icon to redirect to the detailed page



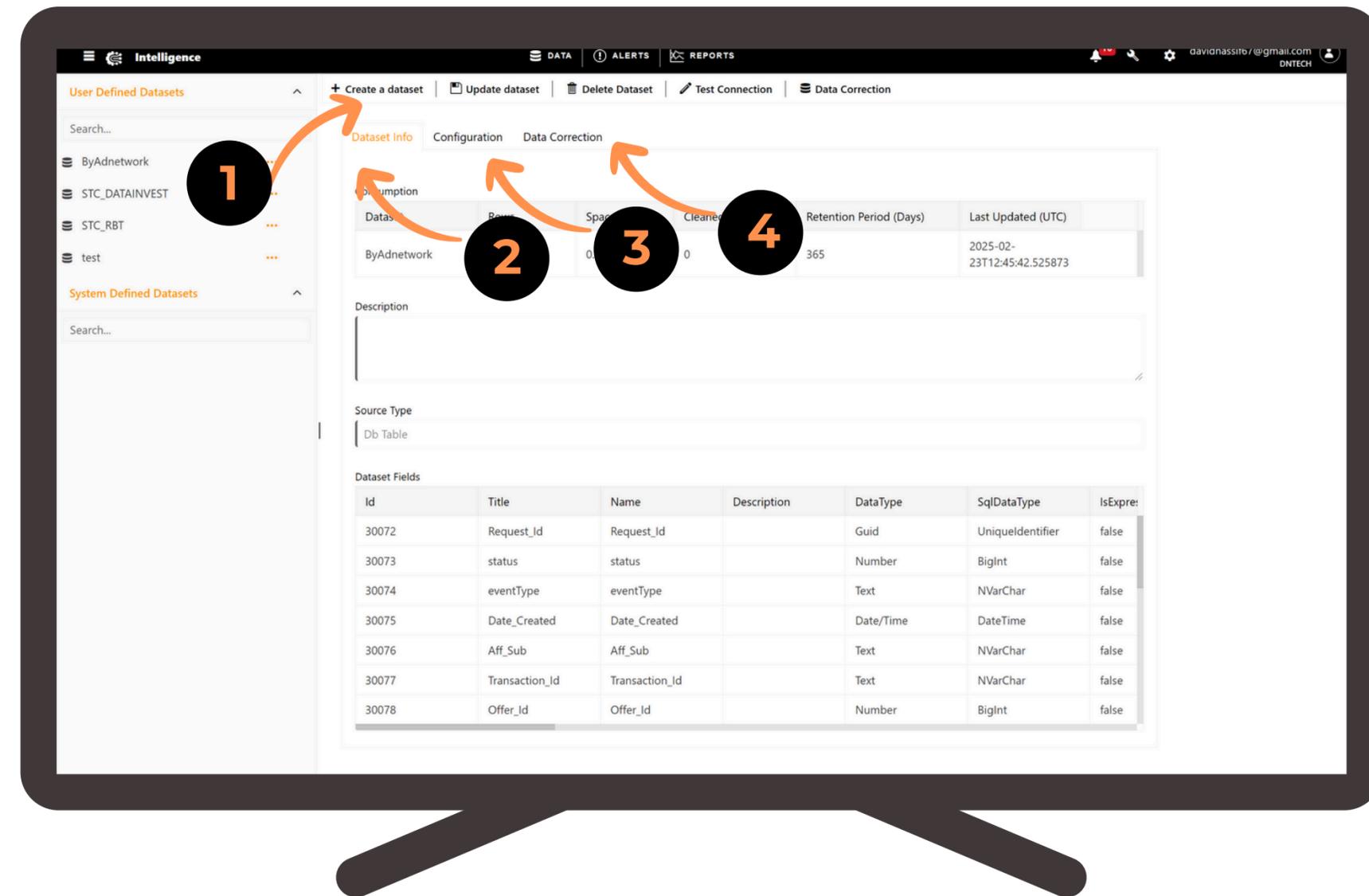
# View Dataset

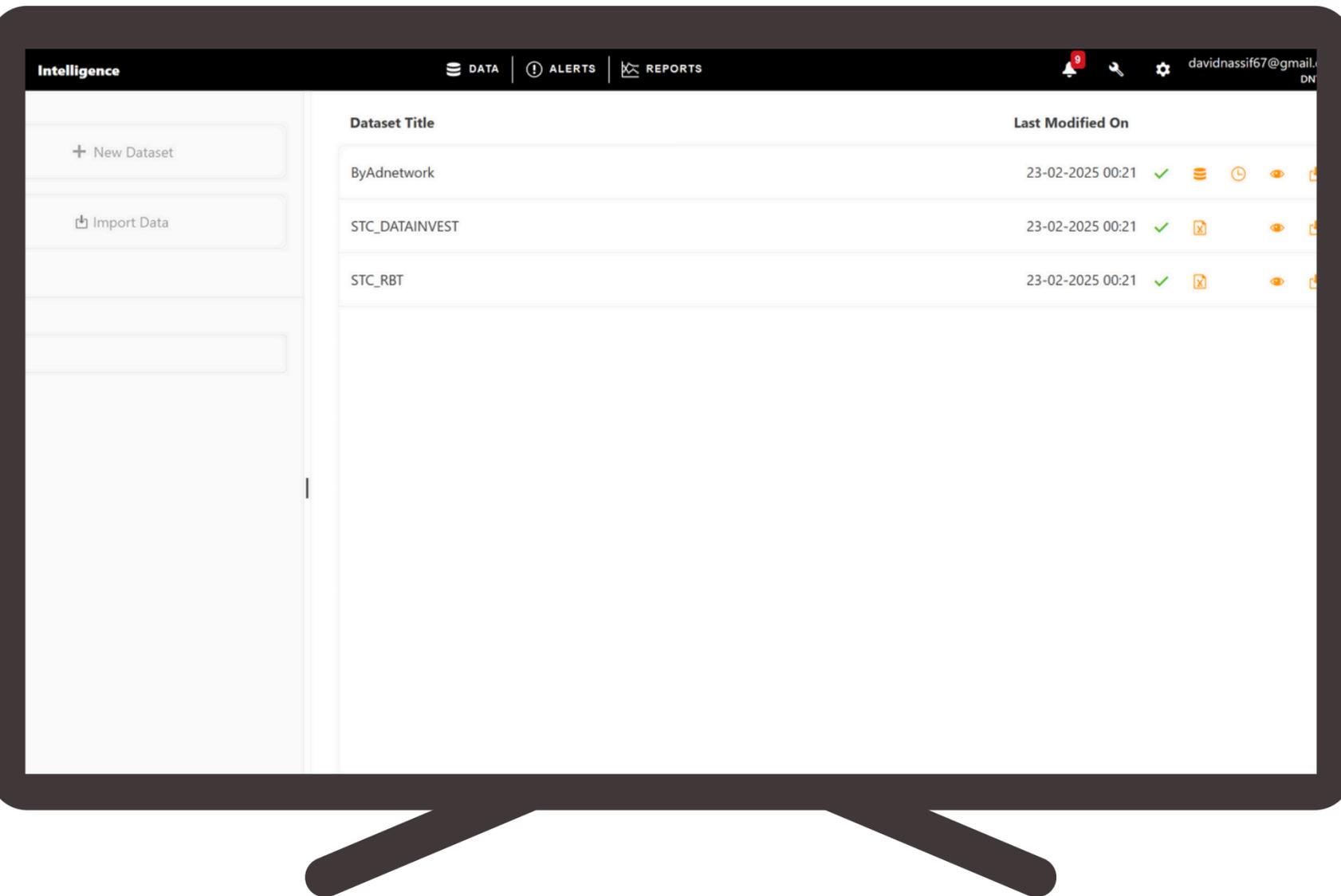
**01** In the submenu, you can create a new dataset, update or delete an existing one, test the connection (for database-based datasets), and access the data correction page.

**02** In the Data Info tab, you can view the dataset's consumption, description, and fields.

**03** in the Configuration tab, you can see Database connection configuration

**04** In the Data Correction tab, you can view all the logs of the queries that have updated your data.



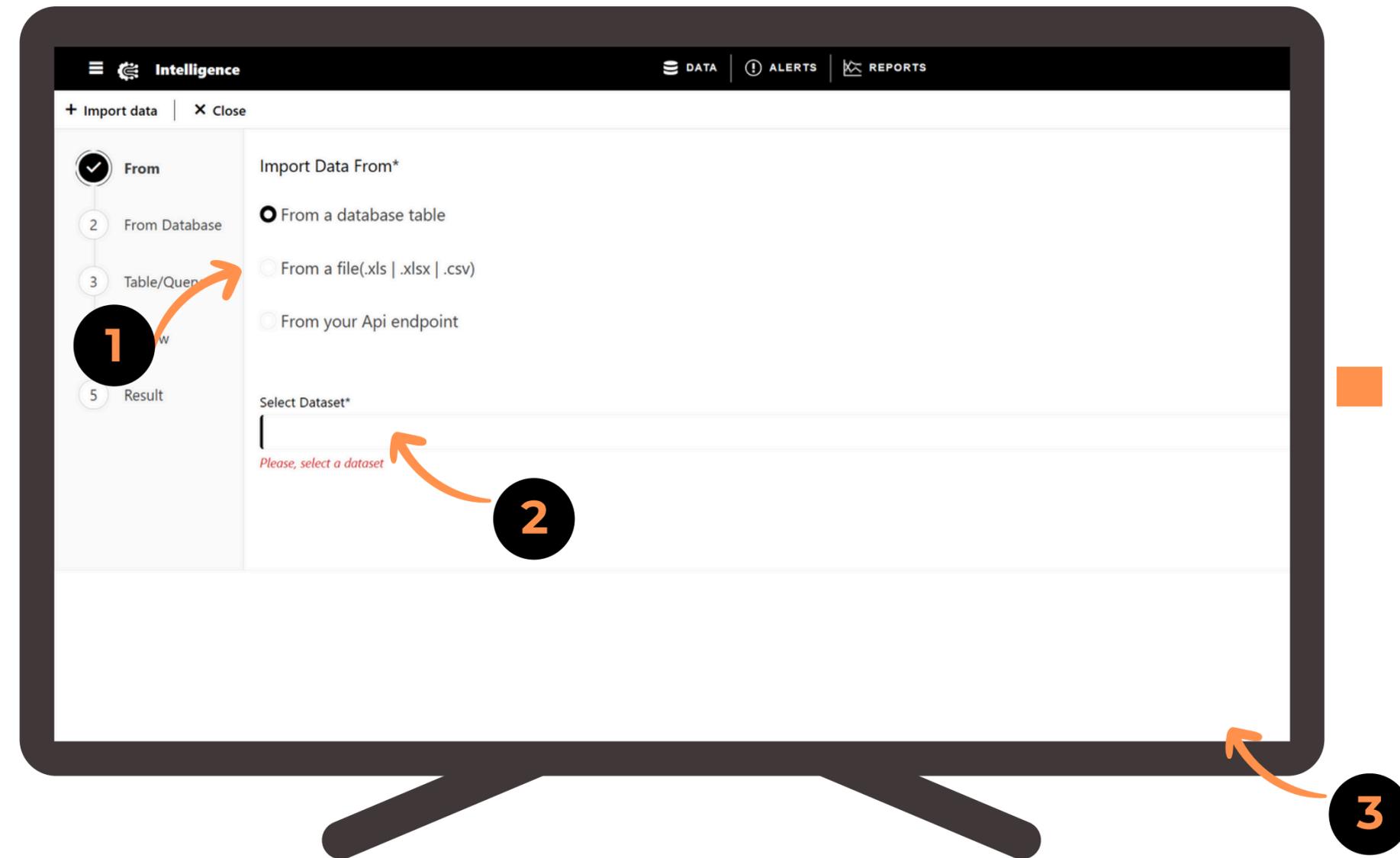


# Import Data

To import data, you have two options:  
click the Import button on the top left or  
click the Import Icon on a specific dataset.



# Import Data



**01** You can import data from a database Table. Excel, or Even API end point

**02** Select Dataset

**03** Click on Next



# Import Data

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10 davidnassif67@gmail.com DNTech

Import data | X Close

From

From Database

Table/Query

Review

Result

Selected Dataset:  
ByAdnetwork

Database Type\*  
SQL Server

Server\*  
| |  
Please, enter a server

Database\*  
| |  
Please, enter a database

Username\*  
| |  
Please, enter a username

Password\*  
| |  
Please, enter a password

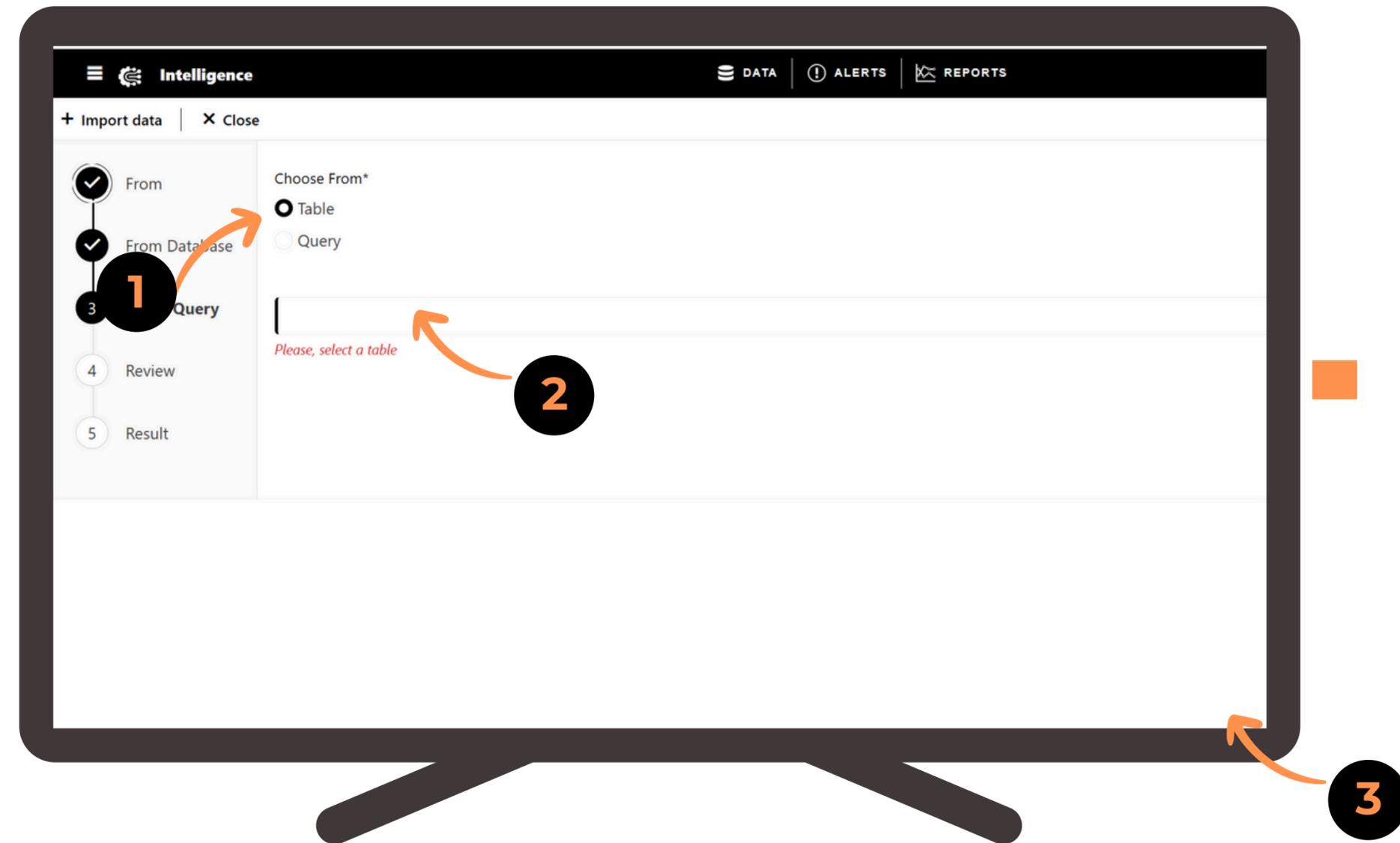
Previous Next

**01** If you select from DB, you have to add all the Database connection configuration

**02** Click on Next



# Import Data



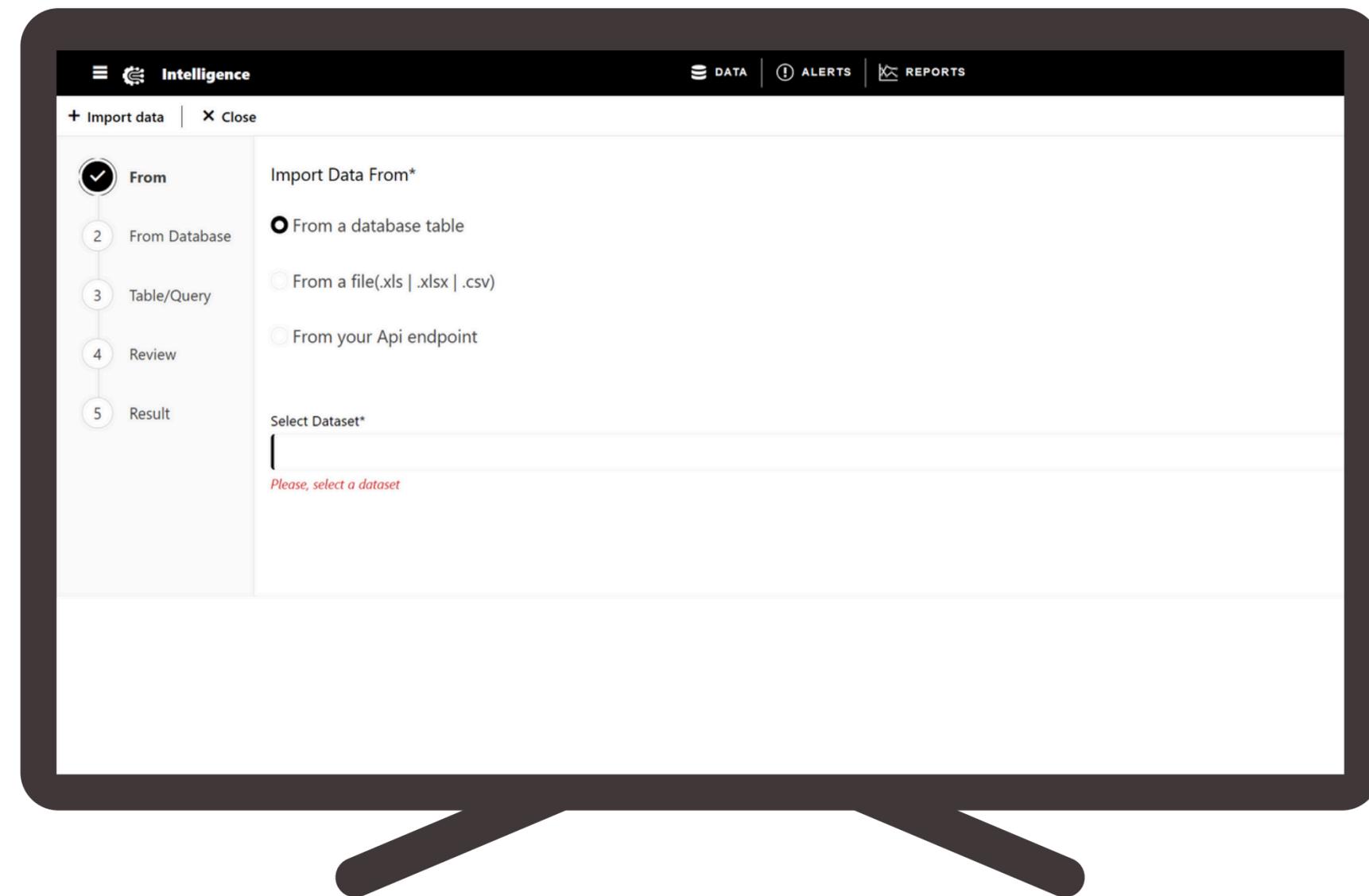
**01** You can select from Table or you can enter a query

**02** If from Table, then select a table. If from Query a textbox appear to write your SQL query

**03** Click on Next to Review and Then to Import the data



# Import Data



The screenshot shows the 'Import data' window in the Intelligence platform. The window has a dark header with the 'Intelligence' logo and navigation links for 'DATA', 'ALERTS', and 'REPORTS'. Below the header, there's a sub-header '+ Import data | X Close'. On the left, a vertical sidebar shows a progress indicator with five steps: 'From' (checked), 'From Database', 'Table/Query', 'Review', and 'Result'. The main area is titled 'Import Data From\*' and contains three radio button options: 'From a database table' (selected), 'From a file(.xls | .xlsx | .csv)', and 'From your Api endpoint'. Below these options is a text input field labeled 'Select Dataset\*' which is currently empty. A red error message 'Please, select a dataset' is displayed below the input field.

To import data from Excel, select From a File, then choose the dataset. Next, upload the Excel file with the same schema as the dataset, containing the new data, and click Import Data.

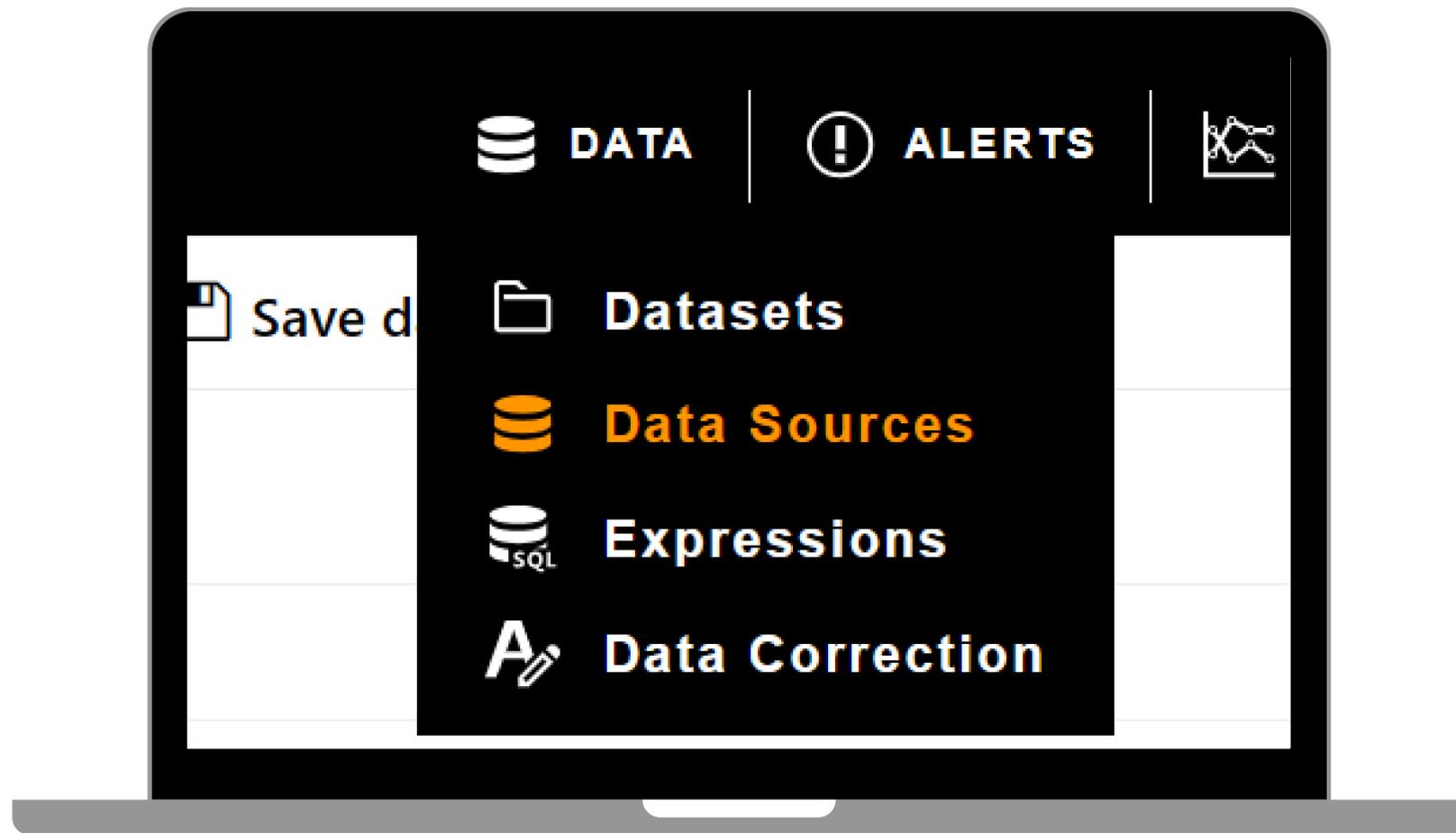




# DataSource



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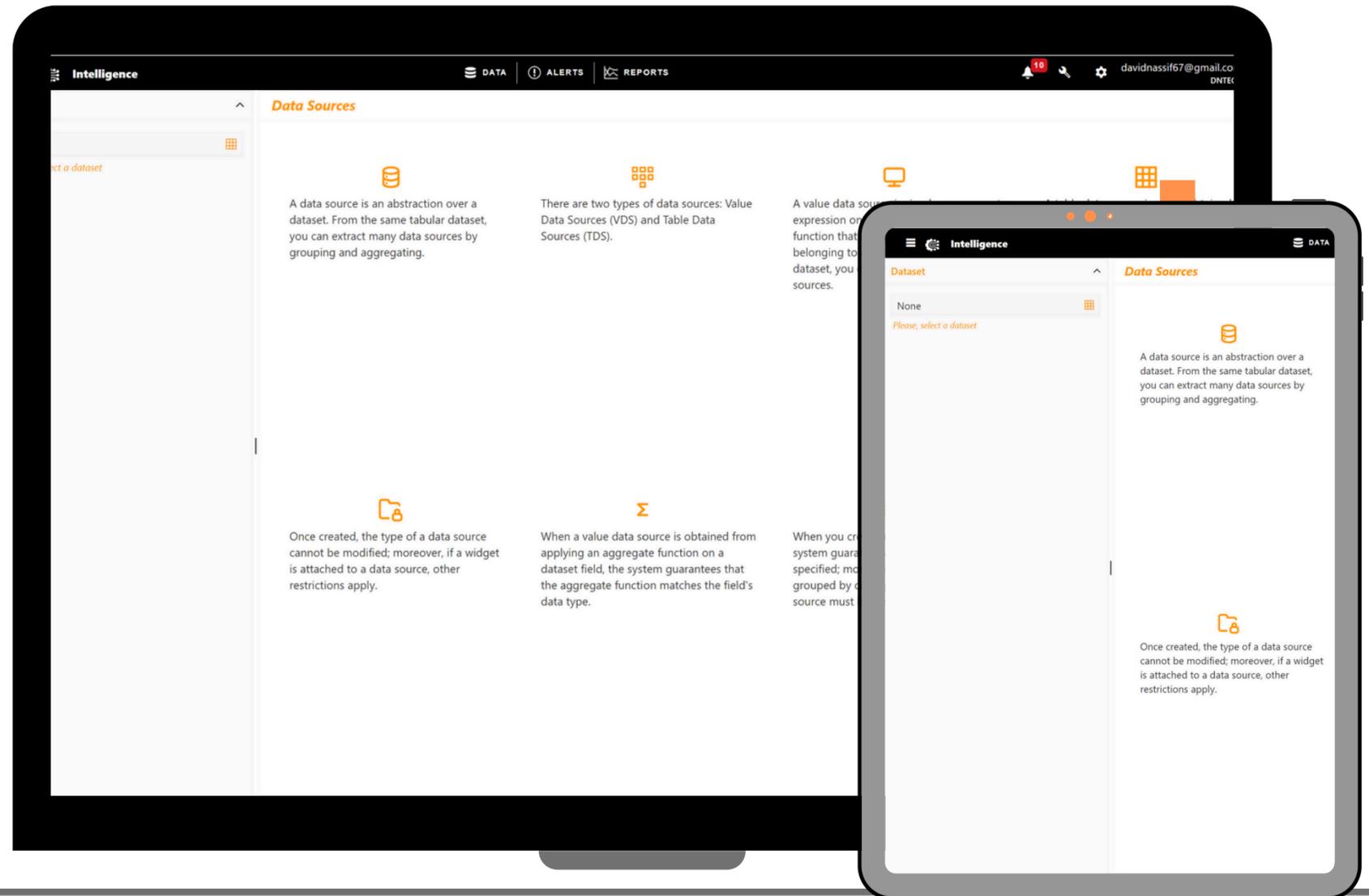
# How to Create a Datasource

To create a data source, click the Data button in the top-center main menu, then select Data Sources from the submenu to be redirected to the Data source main page.



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# How to Create a DataSource



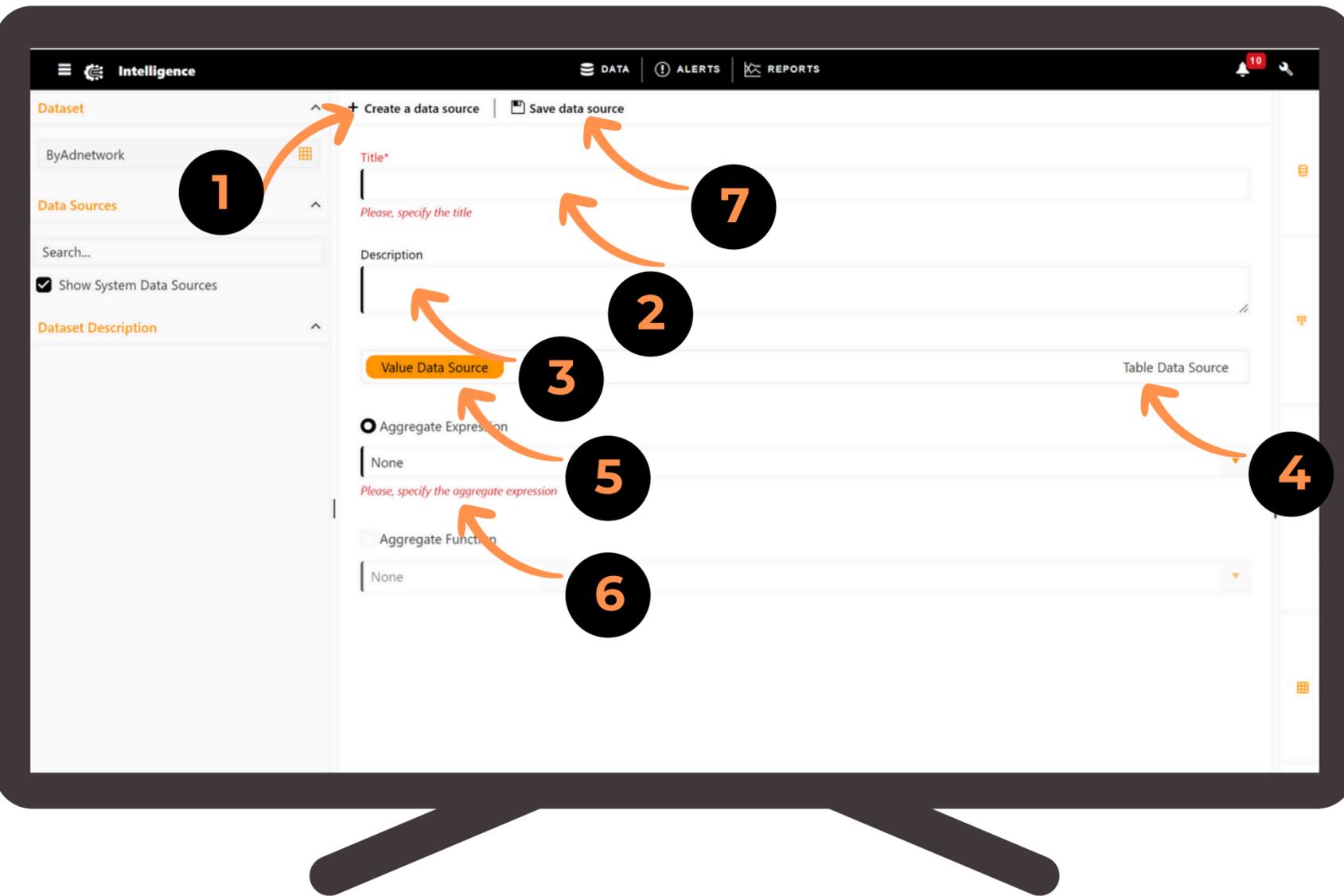
On this page, you'll find a dropdown on the left to select a dataset. On the right, you'll see notes and a description about the data source.



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# Create Datasource

- 01** Click on Create a Data Source to start
- 02** Enter a Title
- 03** Enter a description
- 04** Choose between Value Data Source or Table Data Source
- 05** If you use a Value datasource, it means you'll retrieve a single value using an expression formula.
- 06** Select the Expression
- 07** Click on Save Data Source



# Create Datasource

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DATA ALERTS REPORTS davidnassif67@gmail.com DNTECH

Dataset

ByAdnetwork

Data Sources

Search...

Show System Data Sources

Dataset Description

Create a data source Save data source

Title\*

Please, specify the title

Description

Table Data Source

An auto field is added after the data source is populated. This is why you cannot apply filter rules on it. It can be either a computed or expression field.

A computed field is the result of applying a compute function on a previous field (one that comes before in the data source). A wide spectrum of functions is included such as variance, variance ratios, running totals etc.

Ordering on the data source is not advised as it might make the queries slower. It's better to order your data inside your reports; however, there is an exception to this rule when the data source contains a compute function field representing variance

Ordering on the data source is not advised as it might make the queries slower. It's better to order your data inside your reports; however, there is an exception to this rule when the data source contains a compute function field representing variance

Save Locate fields... Close

- ab| fx Aff\_Sub
- 123 fx Application\_Id
- 123 fx campaignId
- 123 fx Country\_Id
- 123 fx Date\_Created
- ab| fx eventType
- 123 fx ID
- ab| fx IMEI
- 123 fx Language
- ab| fx MSISDN
- 123 fx Offer\_Id
- 123 fx Operator\_Id

be selected

+ Add Fields

+ Add Computed Field

fx Add Expression Field

Toggle View Mode

Clear

A table data source is obtained by ordering on the data source

- 01** If you select Table Data Source, an additional section will appear for choosing the fields.
- 02** Click on the three dots to Add Fields
- 03** Click on Add Fields, a popup will be shown so you can select multiple fields
- 04** You can Add Computed fields and/or Expression fields



# Create Datasource

The screenshot shows a 'Table Data Source' configuration window. At the top, there are two tabs: 'Value Data Source' and 'Table Data Source' (which is selected). Below the tabs is a 'Fields' section containing a list of fields. Each field row includes a number, a data type, a function, the field name, and two dropdown menus (both set to 'None') followed by a red 'X' icon. The fields listed are: 1 - abl fx Aff\_Sub, 2 - 123 fx Country\_Id, 3 - 123 fx Date\_Created, 4 - abl fx eventType, 5 - 123 fx ID, 6 - abl fx IMEI, 7 - 123 fx Language, and 8 - 123 fx Offer\_Id. Numbered callouts are placed around the interface: 5 points to the first field's data type, 6 points to the 'fx' function, 7 points to the first dropdown menu, and 8 points to the red 'X' icon. A note at the bottom left reads: 'N.B. You can drag and drop to re-order the fields'.

Field	Order	Type	Function	Field Name	Group By	Order	Remove
1	abl	fx	Aff_Sub	None	None	X	
2	123	fx	Country_Id	None	None	X	
3	123	fx	Date_Created	None	None	X	
4	abl	fx	eventType	None	None	X	
5	123	fx	ID	None	None	X	
6	abl	fx	IMEI	None	None	X	
7	123	fx	Language	None	None	X	
8	123	fx	Offer_Id	None	None	X	

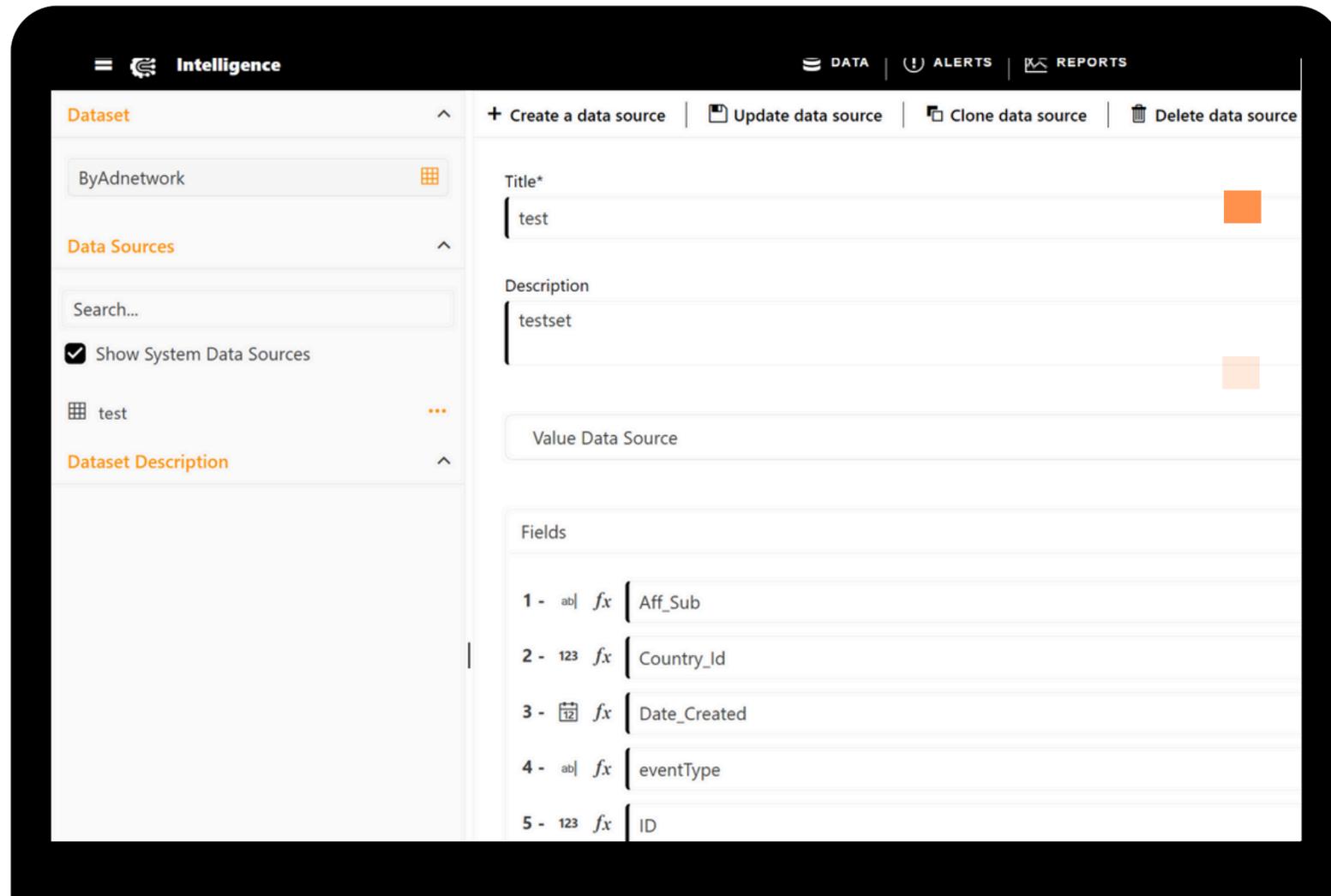
N.B. You can drag and drop to re-order the fields

**05** You can change the position of the fields by simply dragging and dropping them up or down.

**06** You can change the name of the fields as it appears in the report, but this will not affect the original field name.

**07** You can Group By, Count, or Count Distinct

**08** You can set the Order ASC, or Desc



# View DataSource

After saving the datasource you created, it will appear in the left section of the DataSource page.. To View it, you can double click on it or click on the three dots and press view.



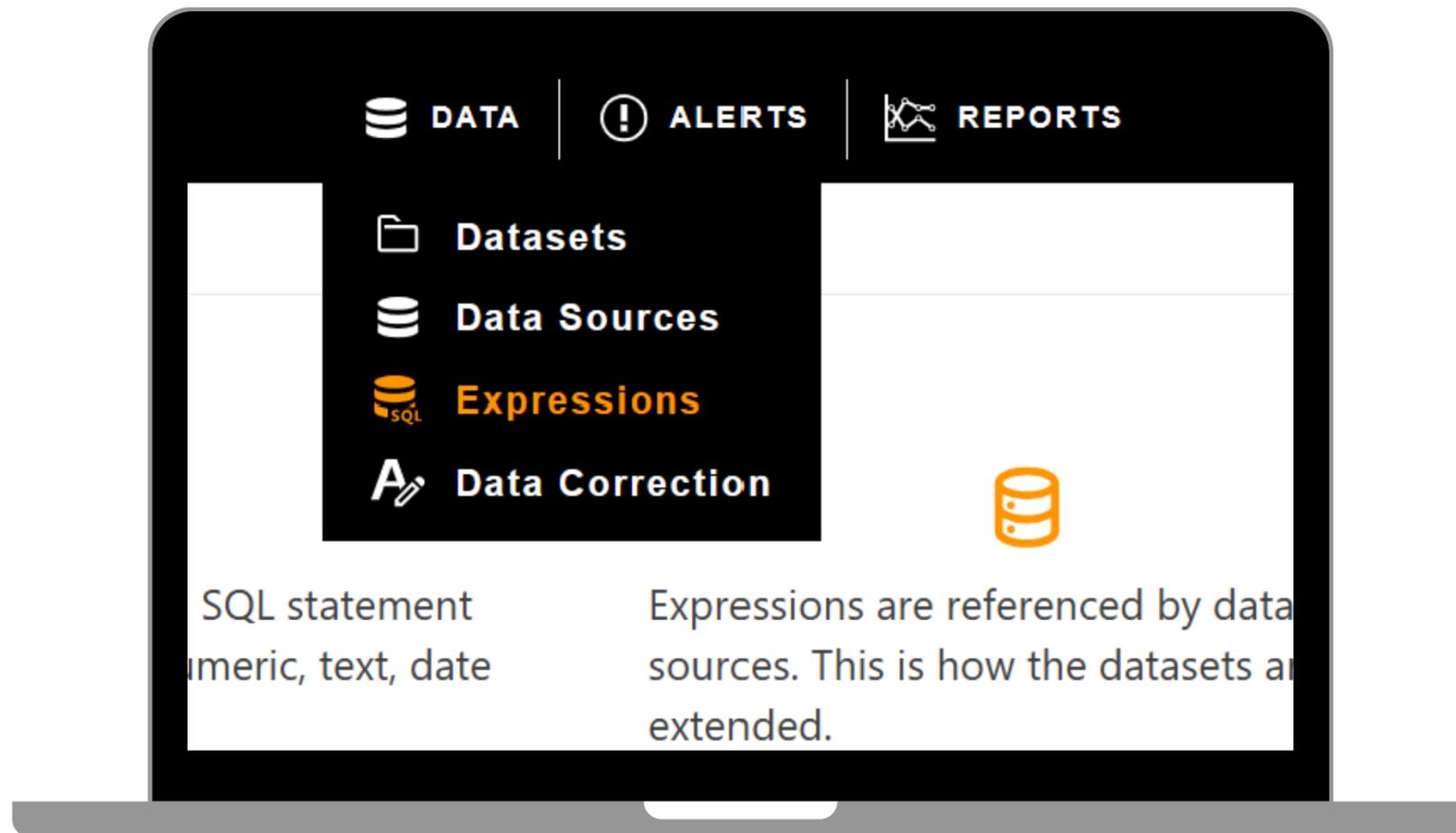
$f(x)$

**Expressions**



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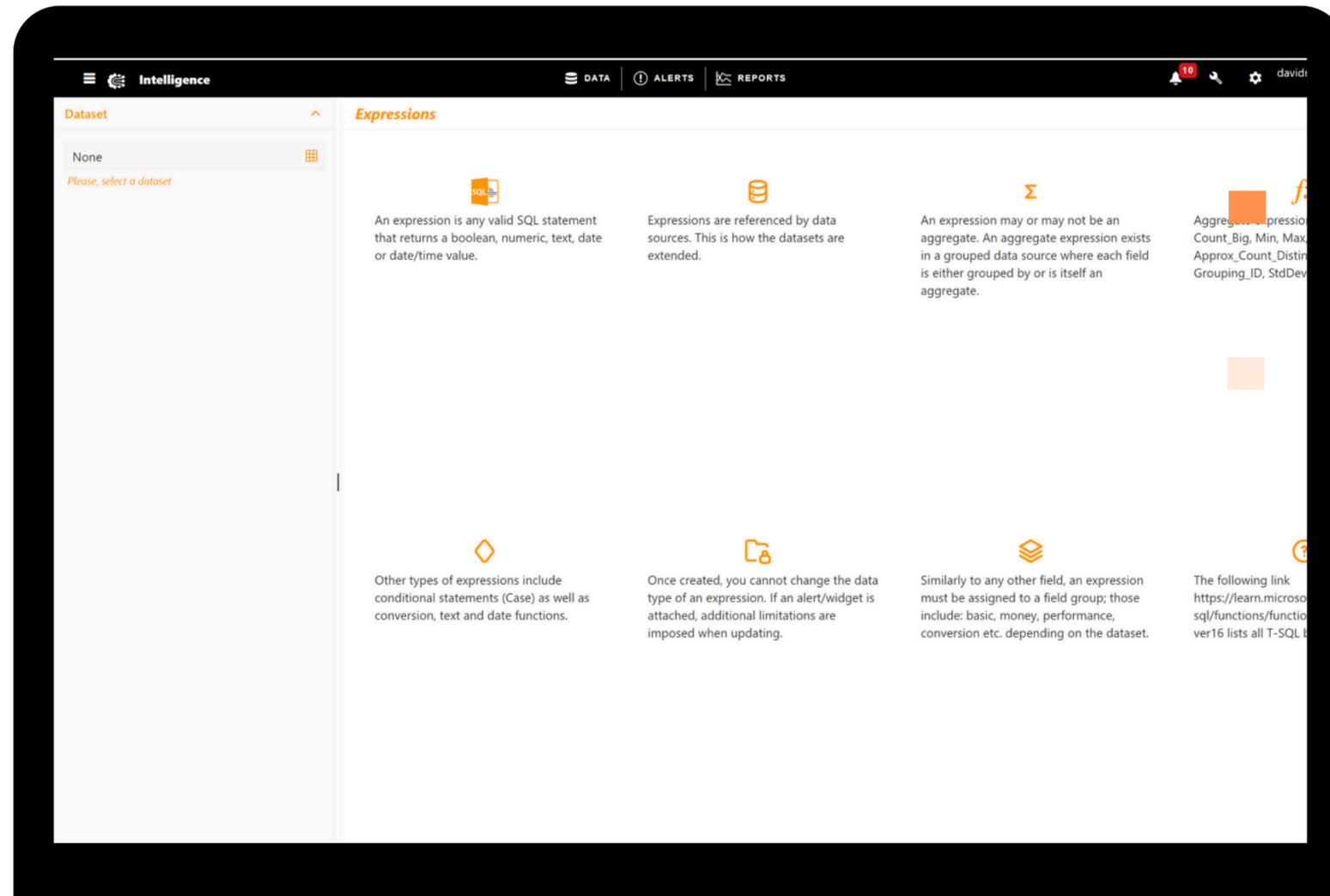
# How to Create an Expression



To create an Expression, click the Data button in the top-center main menu, then select Expressions from the submenu to be redirected to the Expression main page.



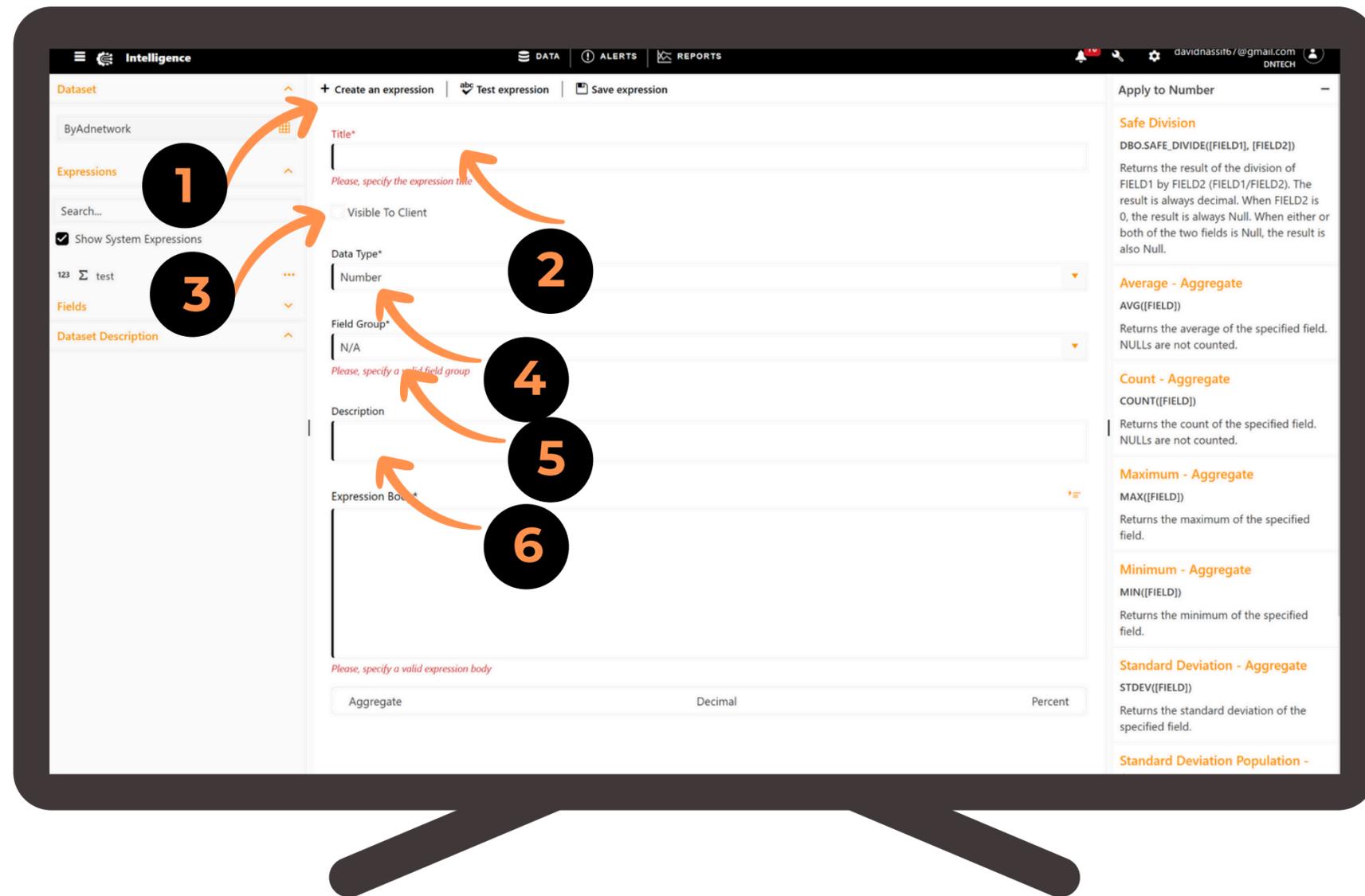
# How to Create an Expression



On this page, you'll find a dropdown on the left to select a dataset. On the right, you'll see notes and a description of the Expressions.



# Create Datasource



**01** Click on Create an Expression to start

**02** Enter a Title

**03** Check Visible to Client if you want this expression to be visible to all your clients.

**04** Select Data Type like Number, Boolean, and so on

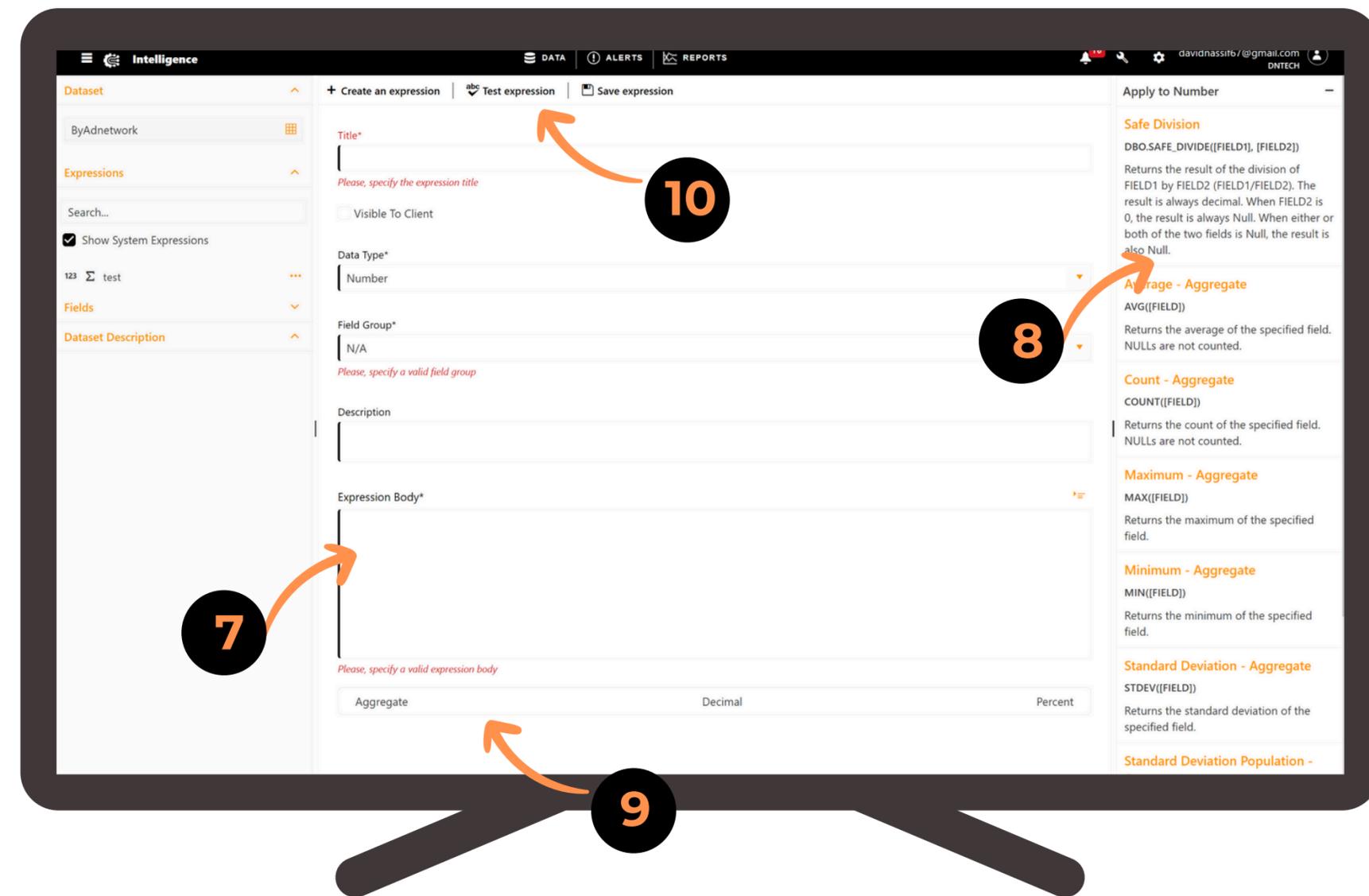
**05** Select a Group like: Basic, Operation, Money and so on

**06** Enter Description



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# Create Datasource

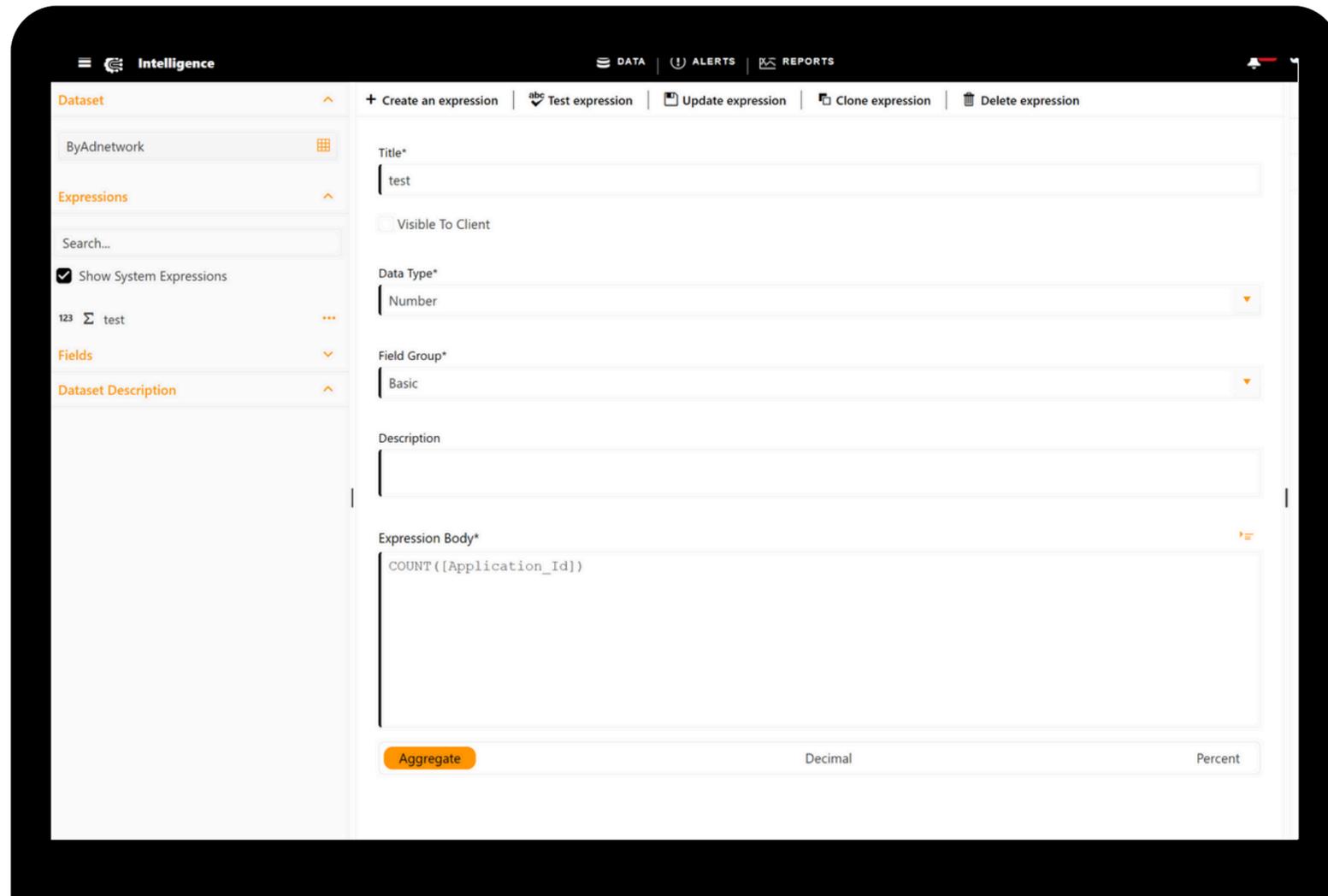


**07** Enter Expression Formula

**08** You can use predefined formulas: drag and drop the formula on the right section and put the field name

**09** You can check the Aggregate button if it is an aggregate function, Decimal, and Percent

**10** You can test the Expression and the Save



# View Expression

After saving the Expression you created, it will appear in the left section of the Expression page. To view it, you can double-click on it or click on the three dots and press view.



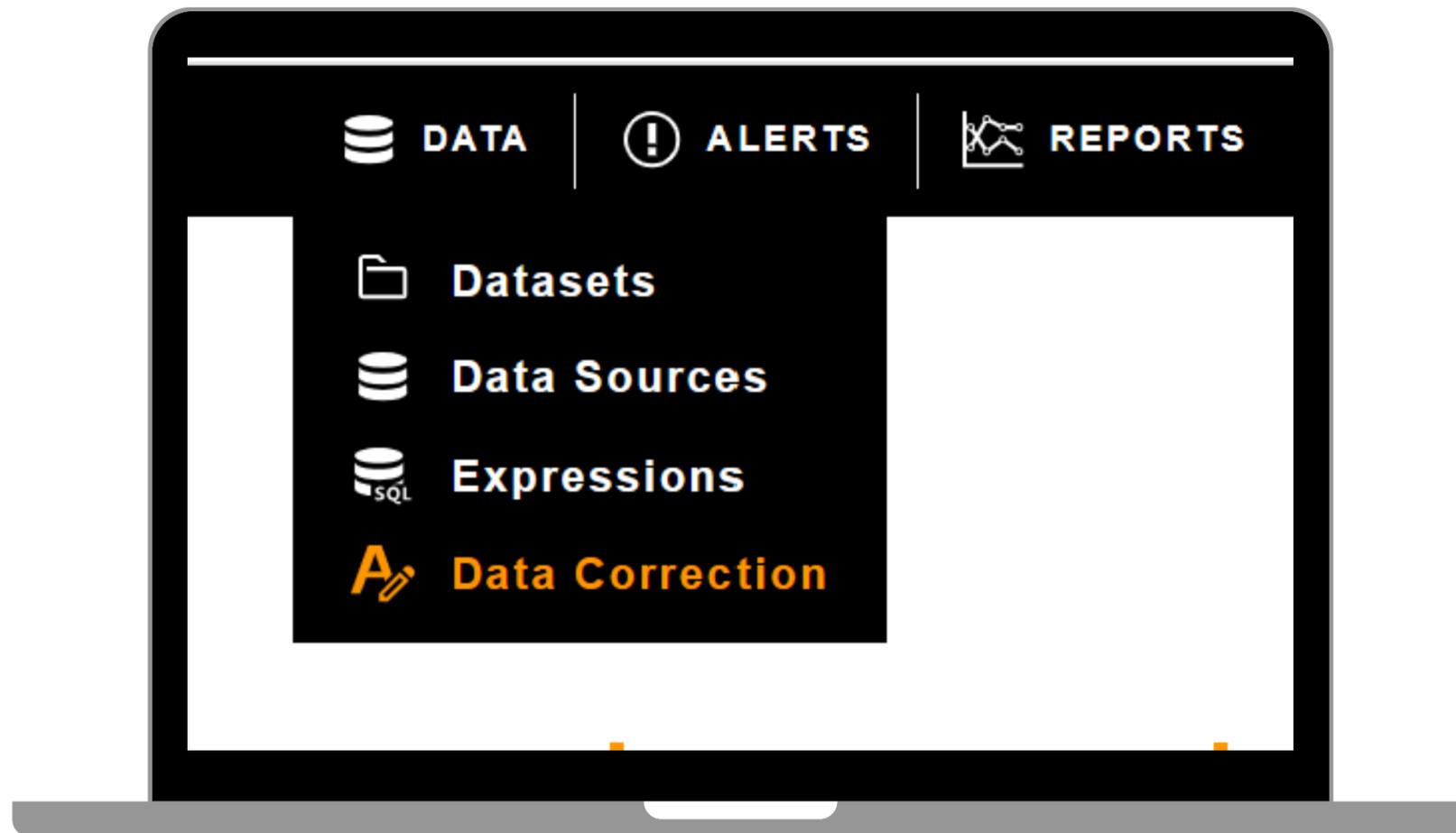


# Data Correction



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# How to Correct your Data



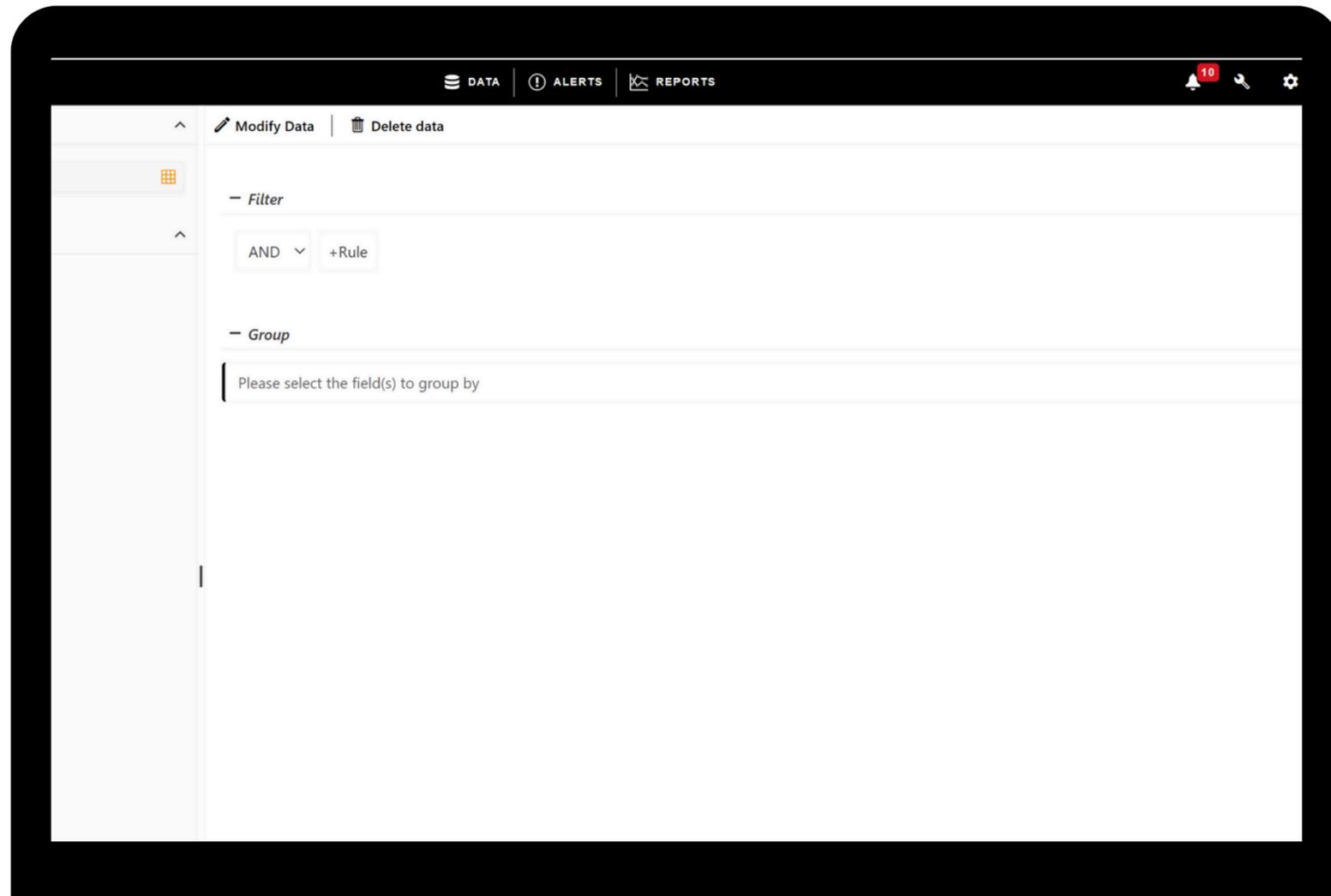
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With the Data Correction Feature, you can either update your data or delete based on a condition.



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# Data Correction Page



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On this page, you need to select the dataset from the left section and start the process.



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# Data Correction

Modify Data | Delete data

Filter

AND +Rule

status < 2

Group

Please select the field(s) to

Edit Fields

Fields to be updated

Affected Data

Number of Affected Rows

View

View

Number of Affected Rows

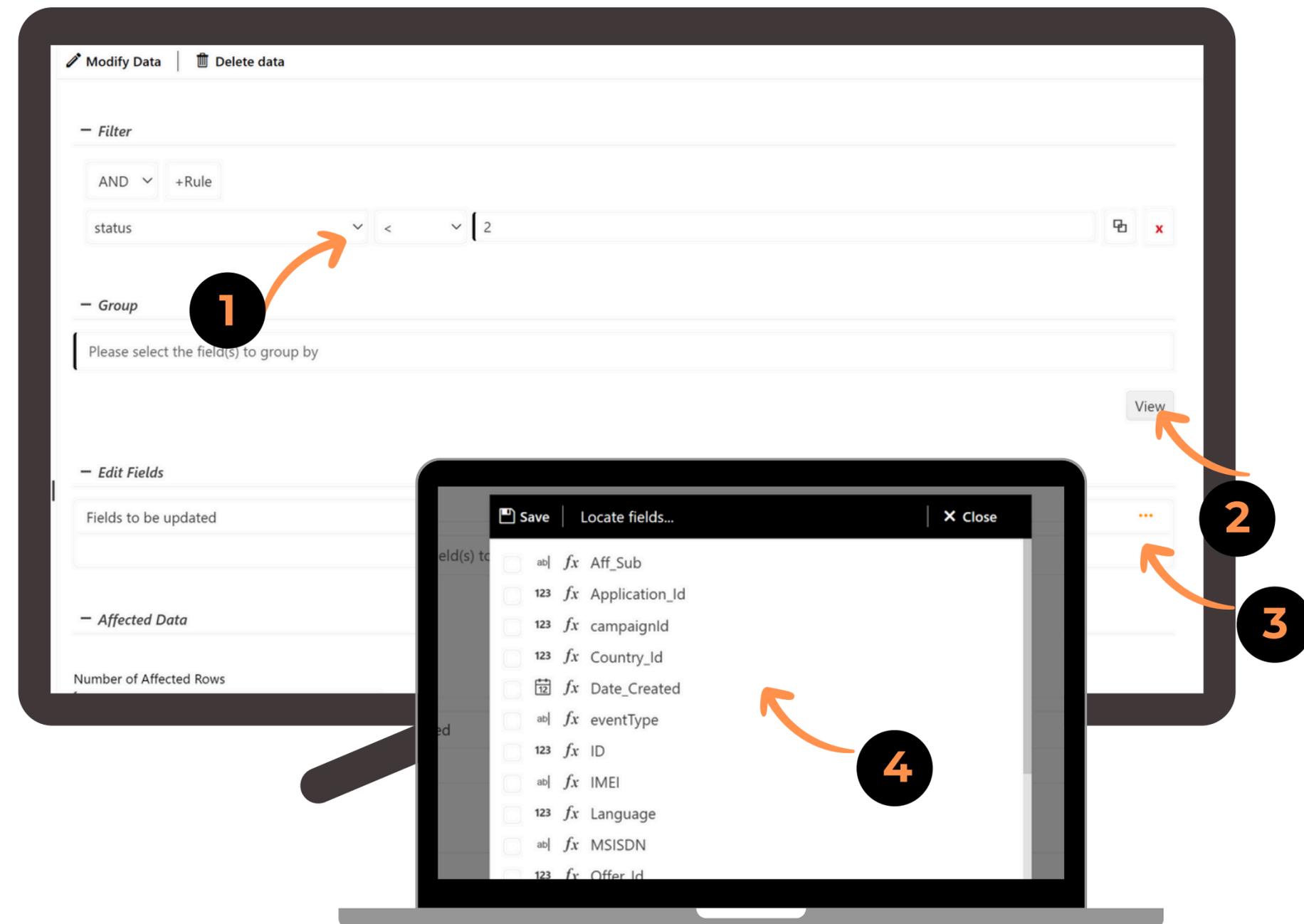
1410

Request_Id	Request_Url	Request_Status	Response_Status	Response_Body	Application_Id	Country_Id
bfc1a433-48ad-4f62-be4-c30c8cdf7a0f	http://cpa.intech-mena.com/Univer...transaction_id=EA...ET2CB2_EBxOEAey...	1	1	success=true;	245	207

- 01** To delete data, add a filter by setting rules, and you can also apply grouping.
- 02** After that, click on view
- 03** You can see how many affected rows and a table to show you the data to make sure before deleting
- 04** Click on Delete Data



# Data Correction



**01** To update data, add a filter by setting rules, and you can also apply grouping.

**02** After that, click on View to see the affected data

**03** Click on the three dots in the Edit field section and click on Add Fields

**04** A popup will appear to select the fields that you need to update them

# Data Correction

## — Edit Fields

### Fields to be updated

1 - 123 | Operator\_Id | 2

5

7

6

**05** You add the value that you need to update for each fields selected

**06** If you click on Sigma Icon you can do operations between fields

**07** Once you finalize everything and after checking the affected data you can click on Modify Data



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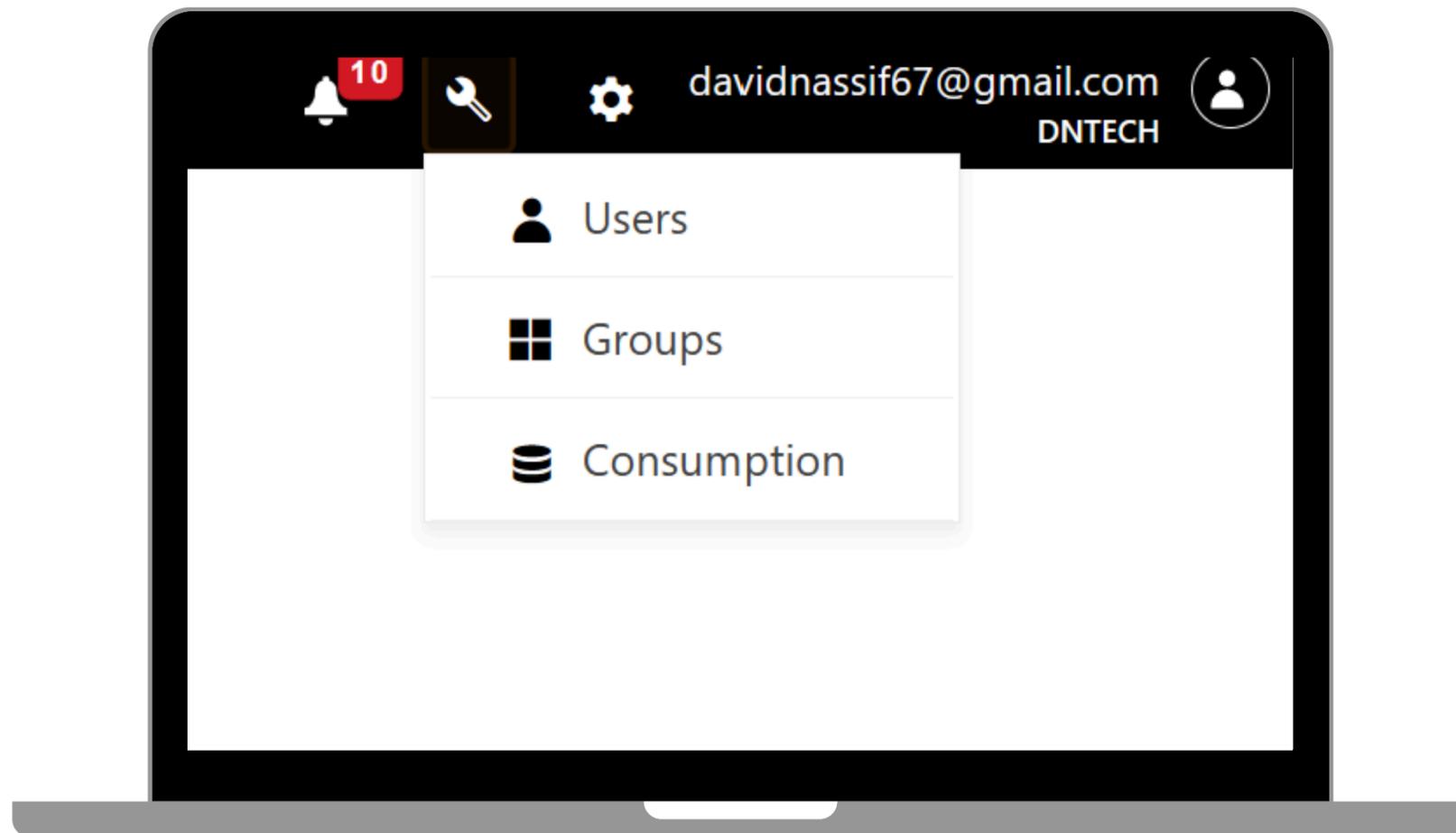


# Data Consumption & Retention



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# How to see your consumption

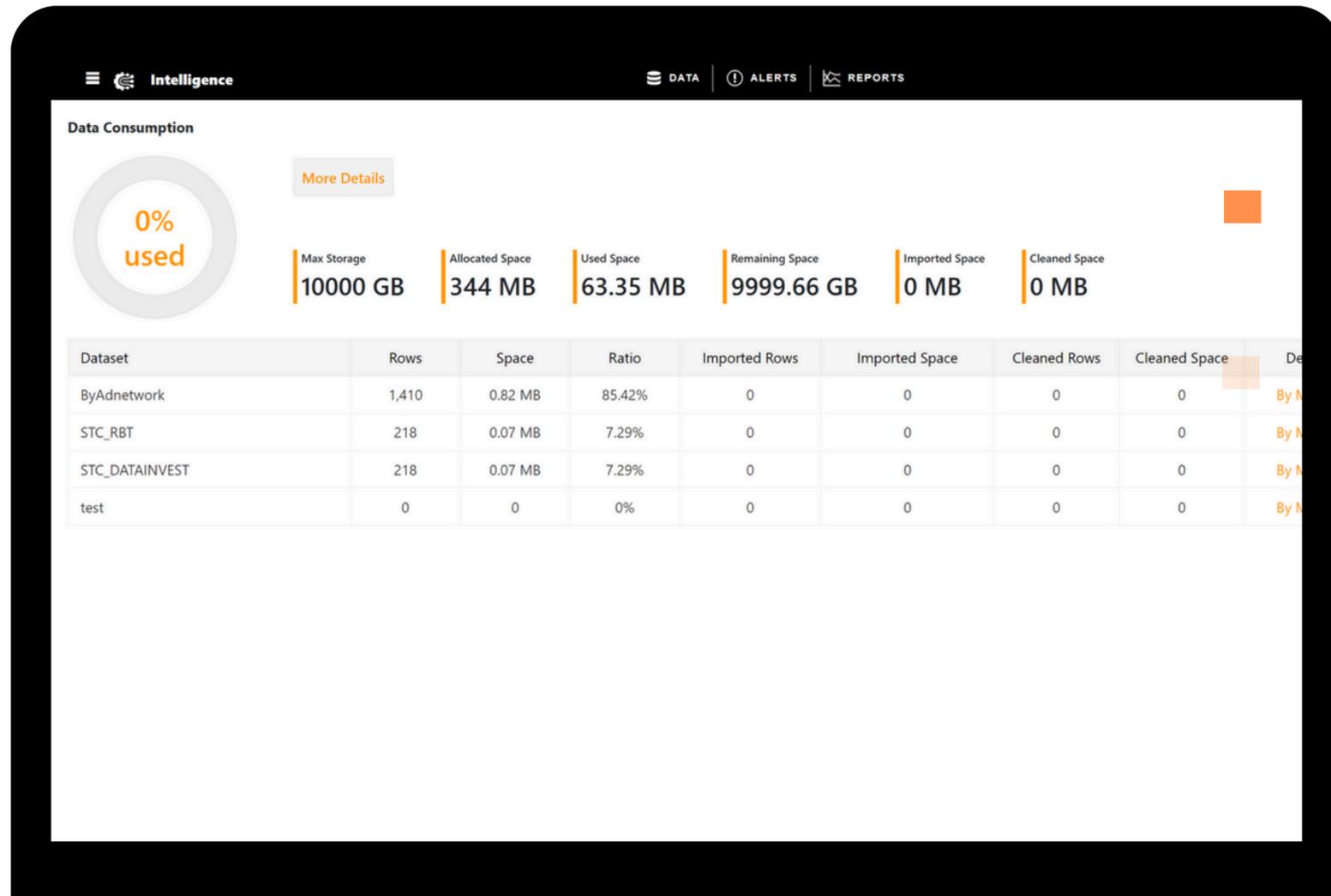


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To View your Consumption and edit your retention, click on the wrench icon on the top right menu icon, and click on Consumption, it will redirect to the consumption page



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# Consumption Page

On this page, you can view your maximum storage based on your subscription, along with the size of each dataset, the number of records it contains, and the size of any deleted records.



# Data Retention

The screenshot shows a dashboard with storage metrics and a table of dataset records. A popup window is open for configuring retention rules.

**Storage Metrics:**

Max Storage	Allocated Space	Used Space	Remaining Space	Imported Space	Cleaned Space
10000 GB	344 MB	63.35 MB	9999.66 GB	0 MB	0 MB

**Table Columns:** Imported Space, Cleaned Rows, Cleaned Space, Details, Retention Period, Cleanups

**Table Rows:**

Imported Space	Cleaned Rows	Cleaned Space	Details	Retention Period	Cleanups
0	0	0	By Month	365 days	0
0	0	0	By Month	365 days	0
0	0	0	By Month	365 days	0
0	0	0	By Month	365 days	0

**Retention Configuration Popup:**

Retention Period in Days\*  
365

**Retention Rules Configuration:**

Field*	Operator*	Value*	Ret. Period (days)*
None	None	0	0
None	None	0	0
None	None	0	0
None	None	0	0
None	None	0	0

- 01** To configure your retention period (the number of days to keep your data), click on each dataset record under the Retention Period column.
- 02** A popup will appear, allowing you to change the number of days.
- 03** To delete specific data, click the number in the Cleanups column for each dataset row to add the rules.
- 04** A popup will appear, allowing you to configure up to 5 rules

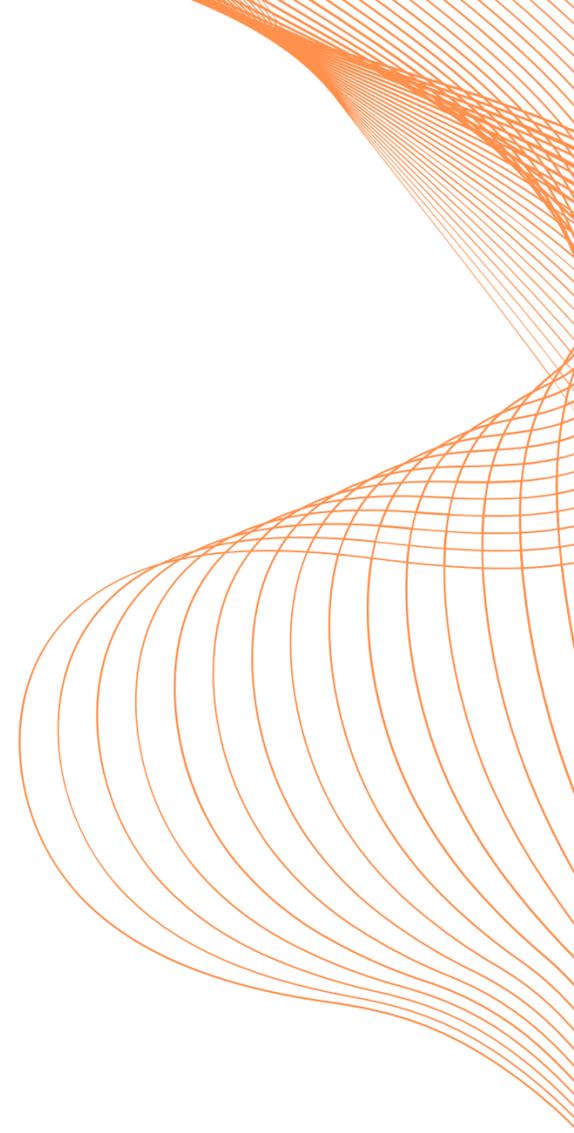


**ITS DONE!**



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Now it's time to put it into action!" 🚀



**Thank you!**



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