

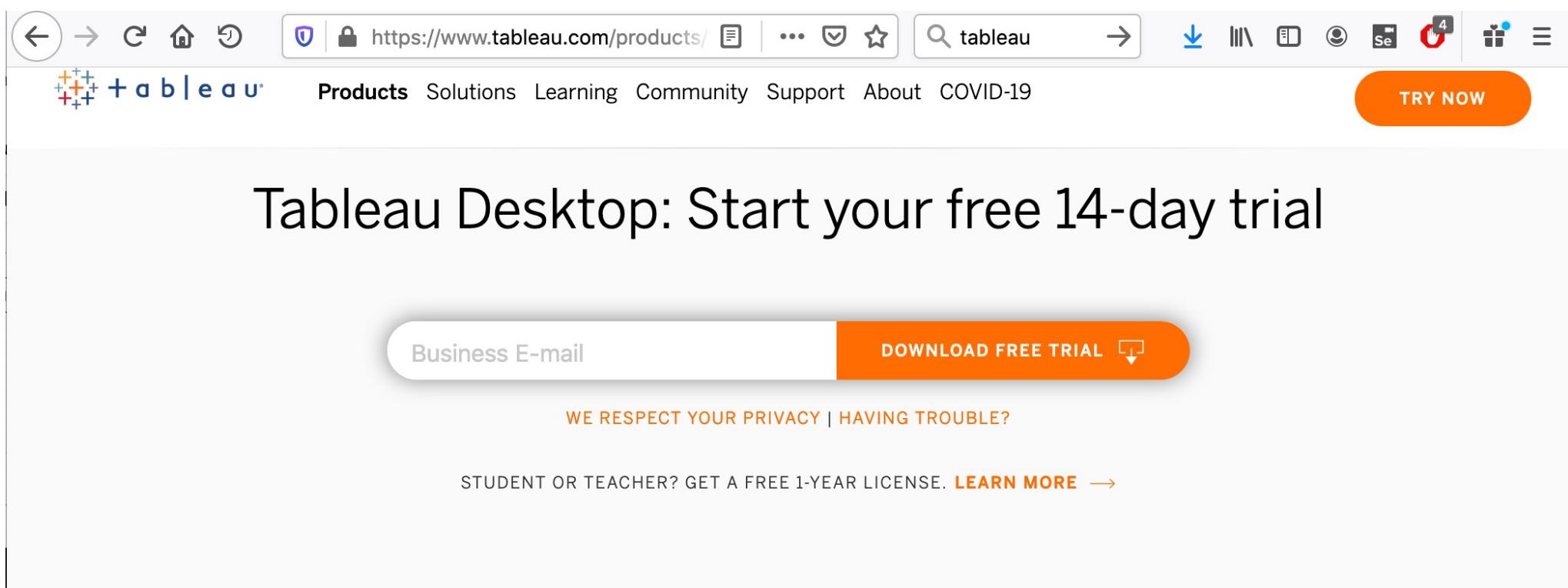
# PHUSE Open Data Repository (“PODR”): Connecting from Tableau.

# Agenda

- Downloading Tableau Desktop
- Connecting to PHUSE's PODR
- Selecting Tables
- Building your Analysis
- Contact

# Downloading Tableau Desktop

<https://www.tableau.com/products/trial>



The screenshot shows a web browser displaying the Tableau website at <https://www.tableau.com/products/trial>. The page title is "Tableau Desktop: Start your free 14-day trial". There are two main calls-to-action: "Business E-mail" and "DOWNLOAD FREE TRIAL" (with a download icon). Below these are links for "WE RESPECT YOUR PRIVACY | HAVING TROUBLE?", "STUDENT OR TEACHER? GET A FREE 1-YEAR LICENSE.", and "LEARN MORE →". The browser's address bar shows the URL, and the top navigation menu includes "Products", "Solutions", "Learning", "Community", "Support", "About", and "COVID-19". A "TRY NOW" button is also visible.

# Connecting to PHUSE's PODR

Tableau - Book1 - Tableau license expires in 11 days

Connect

Open

Discover

This is the initial screen after you launch Tableau.

Sample Workbooks

More Samples

See the latest

Access and analyze trusted COVID-19 (Coronavirus) global data →

Search for Data

Tableau Server

To a File

- Microsoft Excel
- Text file
- JSON file
- PDF file
- Spatial file
- Statistical file
- More...

To a Server

- MySQL
- Oracle
- Amazon Redshift
- PostgreSQL
- More...

Sample - Superstore

World Indicators

Superstore

Regional

World Indicators

Open a Workbook

Training

- Getting Started
- Connecting to Data
- Visual Analytics
- Understanding Tableau
- More training videos...

Resources

- Get Tableau Prep
- Blog - Now in beta: Data modeling, Metrics, and powerful analytics improvements
- Forums

Laptop displaying a COVID-19 dashboard titled "COVID-19 CASES - STARTER DASHBOARD".

# Connecting to PHUSE's PODR

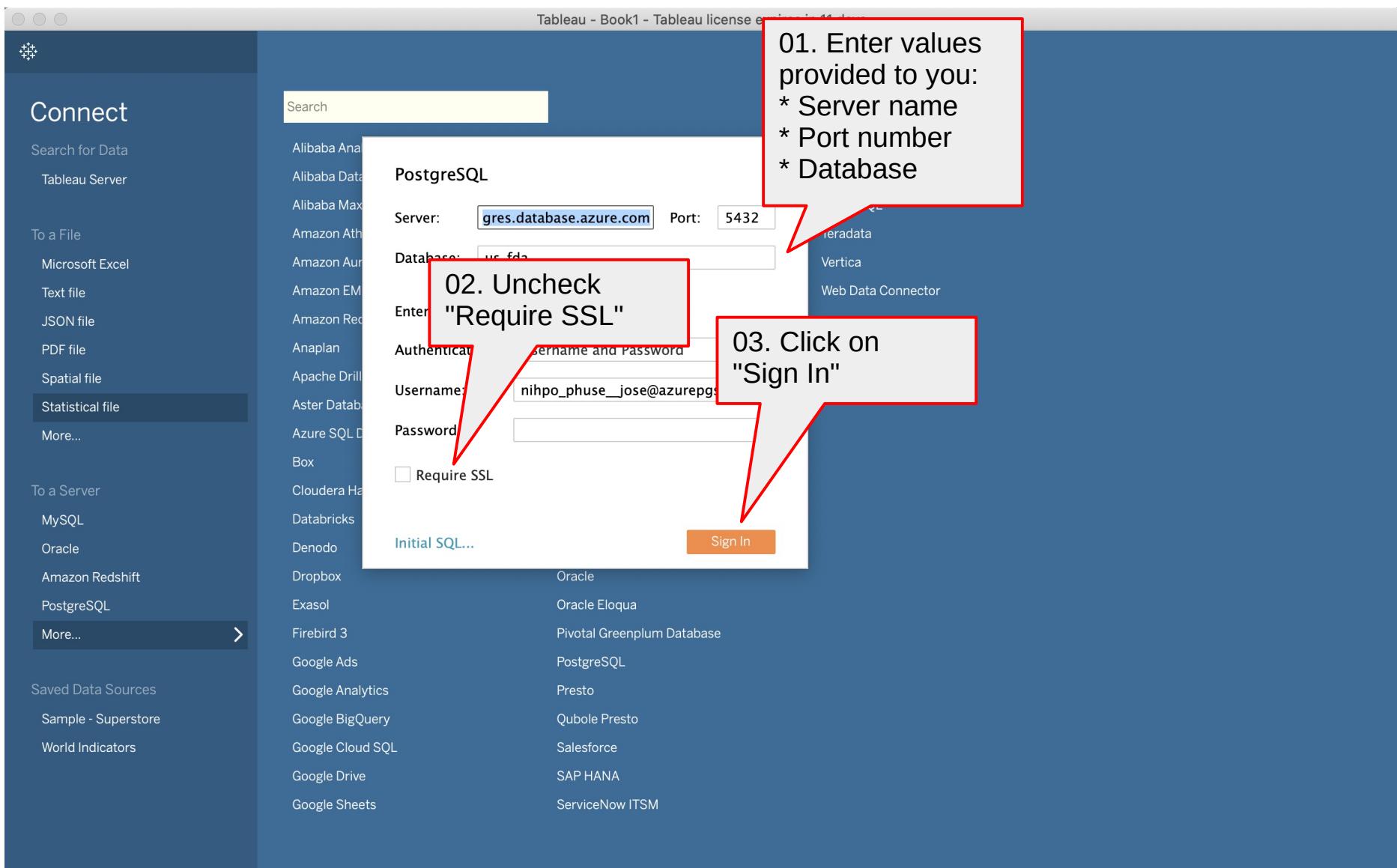
The screenshot shows the Tableau Connect interface. On the left, under 'To a Server', 'PostgreSQL' is selected. A red box highlights the 'More...' link under 'To a Server'. A red arrow points from this box to a callout bubble containing the text: '01. Click on "More..." under "To a Server"'.

A second red box highlights the 'PostgreSQL' option in the main list of data sources. A red arrow points from this box to a callout bubble containing the text: '02. Select "PostgreSQL"'.

The main list of data sources includes:

- Alibaba AnalyticDB for MySQL
- Alibaba Data Lake Analytics
- Alibaba MaxCompute
- Amazon Athena
- Amazon Aurora for MySQL
- Amazon EMR Hadoop Hive
- Amazon Redshift
- Anaplan
- CloudBees Hadoop
- Databricks
- Denodo
- Dropbox
- Exasol
- Firebird 3
- Google Ads
- Google Analytics
- Google BigQuery
- Google Cloud SQL
- Google Drive
- Google Sheets
- Hortonworks Hadoop Hive
- Impala
- Intuit QuickBooks Online
- Kognitio
- Kyvos
- LinkedIn Sales Navigator
- MapR Hadoop Hive
- MariaDB
- Marketo
- MemSQL
- Microsoft SQL Server
- MongoDB BI Connector
- MySQL
- OData
- OneDrive
- Oracle
- Oracle Eloqua
- Pivotal Greenplum Database
- PostgreSQL
- Presto
- Qubole Presto
- Salesforce
- SAP HANA
- ServiceNow ITSM
- SharePoint Lists
- Snowflake
- Spark SQL
- Teradata
- Vertica
- Web Data Connector
- Other Databases (JDBC)
- Other Databases (ODBC)

# Connecting to PHUSE's PODR



# Connecting to PHUSE's PODR

The screenshot shows the Tableau Data Source interface. On the left, a sidebar lists connections, databases, and tables. A red box highlights the 'Tables' section, which contains several entries starting with 'nihpo\_fda\_aers\_'. A red arrow points from this box to a callout text. The main workspace is titled 'Drag tables here'.

01. These are the individual tables you have been given access to.

Tableau - Book1 - Tableau license expires in 11 days

Connections  
azurepgsql01....ase.azure.com PostgreSQL

Database  
us\_fda

Table  
nihpo\_fda\_aers\_demo\_2018  
nihpo\_fda\_aers\_drug\_2018  
nihpo\_fda\_aers\_indi\_2018  
nihpo\_fda\_aers\_outc\_2018  
nihpo\_fda\_aers\_reac\_2018  
nihpo\_fda\_aers\_rpsr\_2018  
nihpo\_fda\_aers\_ther\_2018  
pg\_buffercache  
pg\_stat\_statements  
New Custom SQL  
New Union

Sort fields Data source order ▾  
 Show aliases  Show hidden fields  rows

Data Source Sheet 1

# Selecting Tables

The screenshot shows the Tableau Data Source interface. On the left, the 'Connections' panel shows a single connection to 'azurepgsql01....a' (PostgreSQL). Below it, the 'Database' section is set to 'us\_fda'. The main area is titled 'fda\_aers\_demo\_2018+ (us\_fda)' and displays a tree view of tables under 'aers\_demo\_2018'. The tree includes six tables: nihpo\_fda\_aers\_drug\_2018, nihpo\_fda\_aers\_indi\_2018, nihpo\_fda\_aers\_outc\_2018, nihpo\_fda\_aers\_reac\_2018, nihpo\_fda\_aers\_rpsr\_2018, and nihpo\_fda\_aers\_ther\_2018. A red box labeled '01. Drag the demo table to the central canvas.' surrounds the tree view. A red box labeled '02. Drag the other 06 tables to the central canvas.' surrounds the six listed tables. A third red box labeled '03. Click on the "Update Now" button.' surrounds the 'Update Now' button at the bottom center of the interface.

01. Drag the demo table to the central canvas.

02. Drag the other 06 tables to the central canvas.

03. Click on the "Update Now" button.

Tableau - PHUSE - Tableau license expires in 11 days

Connections

azur... (PostgreSQL)

Database

us\_fda

Table

- nihpo\_fda\_aers\_demo\_2018
- nihpo\_fda\_aers\_drug\_2018
- nihpo\_fda\_aers\_indi\_2018
- nihpo\_fda\_aers\_outc\_2018
- nihpo\_fda\_aers\_reac\_2018
- nihpo\_fda\_aers\_rpsr\_2018
- nihpo\_fda\_aers\_ther\_2018

New Custom SQL

New Union

Sort fields

Data source order

Primaryid Caseid Caseversion IFCod EventDt MfrDt

ReptCod AuthNum

Update Now

Automatically Update

Go to Worksheet

Data Source Sheet 1

# Selecting Tables

The screenshot shows the Tableau Data Source interface. On the left, the 'Connections' section lists 'azurepgsql01....ase.azure.com' (PostgreSQL) and the 'Database' is set to 'us\_fda'. Under 'Table', several tables are listed: nihpo\_fda\_aers\_demo\_2018, nihpo\_fda\_aers\_drug\_2018, nihpo\_fda\_aers\_indi\_2018, nihpo\_fda\_aers\_outc\_2018, nihpo\_fda\_aers\_reac\_2018, nihpo\_fda\_aers\_rpsr\_2018, nihpo\_fda\_aers\_ther\_2018, pg\_buffercache, and pg\_stat\_statements. A connection named 'nihpo\_fda\_aers\_demo\_2018+' (us\_fda) is expanded, showing its sub-tables: nihpo\_fda\_aers\_demo\_2018, nihpo\_fda\_aers\_drug\_2018, nihpo\_fda\_aers\_indi\_2018, nihpo\_fda\_aers\_outc\_2018, nihpo\_fda\_aers\_reac\_2018, nihpo\_fda\_aers\_rpsr\_2018, and nihpo\_fda\_aers\_ther\_2018. The 'nihpo\_fda\_aers\_reac\_2018' table is selected, and its preview is shown below. The preview table has columns: Primaryid (Nihpo Fda ...), Pt, and Drug Rec Act. The first row of data is: 158,593,961.00, 15,859,396.00, Loss of personal inde... . A red box highlights this row with the text: '01. Notice the data is presented per record across all 07 tables.' A red arrow points from this box to the 'Drug Rec Act' column. Another red box highlights the 'Drug Rec Act' column header with the text: '02. You may need to adjust the field types per column.' A red arrow points from this box to a context menu for the 'Drug Rec Act' column, which is open and shows options: Number (decimal), Number (whole), Date & Time, Date, String, Default, and Geographic Role.

Primaryid (Nihpo Fda ...)	Pt	Drug Rec Act
158,593,961.00	15,859,396.00	Loss of personal inde...
158,593,961.00	15,859,396.00	Decreased appetite
158,593,961.00	15,859,396.00	Dysarthria
158,593,961.00	15,859,396.00	Facial paralysis
158,593,961.00	15,859,396.00	Gait inability
158,593,961.00	15,859,396.00	Heart rate decreased

# Building your Analysis

The screenshot shows the Tableau Data Source interface. On the left, the 'Connections' section lists 'azurepgsql01....ase.azure.com' (PostgreSQL). Below it, the 'Database' is set to 'us\_fda'. Under 'Table', several tables are listed: nihpo\_fda\_aers\_demo\_2018, nihpo\_fda\_aers\_drug\_2018, nihpo\_fda\_aers\_indi\_2018, nihpo\_fda\_aers\_outc\_2018, nihpo\_fda\_aers\_reac\_2018, nihpo\_fda\_aers\_rpsr\_2018, nihpo\_fda\_aers\_ther\_2018, pg\_buffercache, and pg\_stat\_statements. A red box highlights the 'nihpo\_fda\_aers\_demo\_2018' table, with the text '01. Click on "Sheet 1"' overlaid. A red arrow points from this text to the 'Go to Worksheet' button at the bottom left of the table preview. The main preview area shows a grid of data with columns: Caseid (Nihpo Fda ...), nihpo\_fda\_aers\_reac\_2018, ni... (redacted), ni... (redacted), and ni... (redacted). A context menu is open over the first row of the 'ni... (redacted)' column, showing options: Number (decimal), Number (whole) (which is selected and highlighted in blue), Date & Time, Date, String, Default, and Geographic Role. The 'Number (whole)' option has a value of 158,593,961.00. The top right of the interface shows 'Connection Live', 'Filters 0 | Add', and a 'Data Source' tab at the bottom.

01. Click on "Sheet 1".

Go to Worksheet

Caseid (Nihpo Fda ...)	nihpo_fda_aers_reac_2018	ni... (redacted)	ni... (redacted)	ni... (redacted)
158,593,961.00	15,859,396.00	Loss of personal inde...		
158,593,961.00	15,859,396.00	Decreased appetite		
158,593,961.00	15,859,396.00	Dysarthria		
158,593,961.00	15,859,396.00	Facial paralysis		
158,593,961.00	15,859,396.00	Gait inability		
158,593,961.00	15,859,396.00	Heart rate decreased		

# Building your Analysis

The screenshot shows the Tableau software interface. On the left, the Data Source pane displays various datasets under 'Data' and 'Dimensions' and 'Measures' sections. A red box highlights the 'Dimensions' section, and another red box highlights the 'Measures' section. Red arrows point from these boxes to the central canvas area. The central canvas is labeled 'Sheet 1' and contains three 'Drop field here' placeholder boxes. To the right of the canvas is a 'Show Me' panel displaying various chart and table options. Below the canvas are navigation and zoom controls.

01. Drag from the "Dimensions" left panel to central canvas.

02. Drag from the "Measures" left panel to central canvas.

# Contact

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