

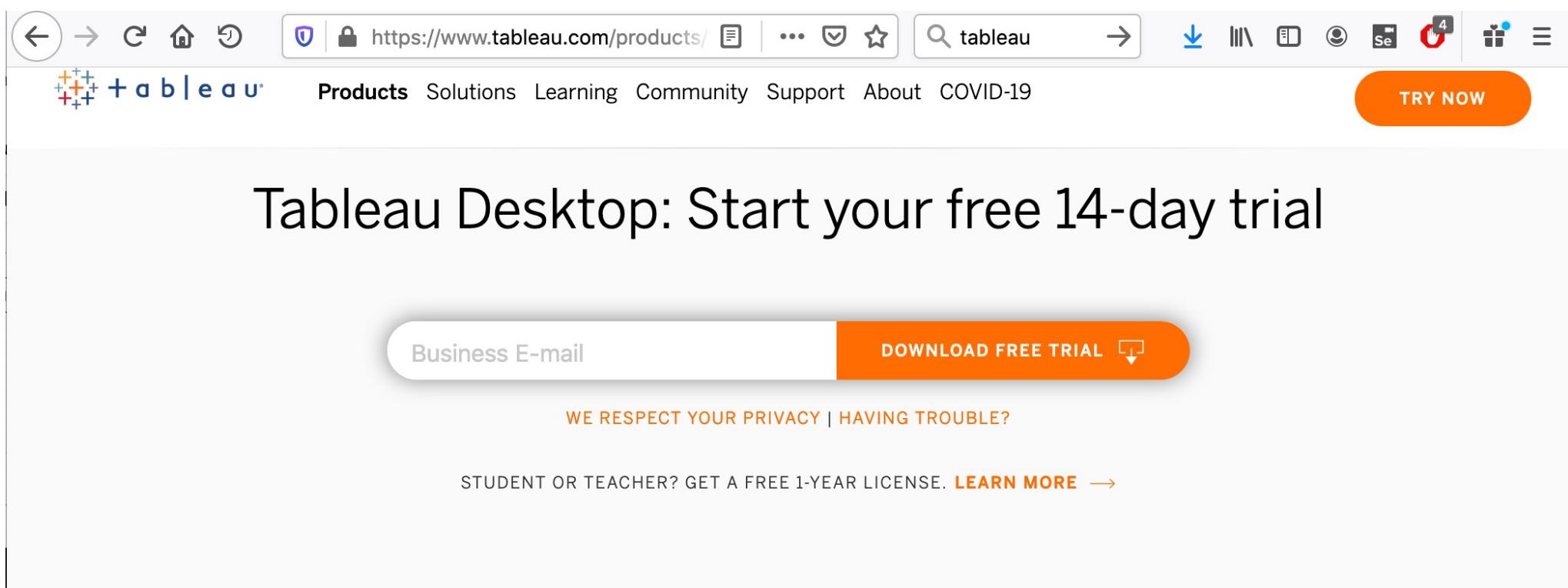
# Connecting to PHUSE Platform from Tableau.

# Agenda

- Downloading Tableau Desktop
- Connecting to PHUSE Platform
- Selecting Tables
- Building Analysis

# 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 privacy, troubleshooting, and student/teacher licensing.

Tableau Desktop: Start your free 14-day trial

Business E-mail DOWNLOAD FREE TRIAL

WE RESPECT YOUR PRIVACY | HAVING TROUBLE?

STUDENT OR TEACHER? GET A FREE 1-YEAR LICENSE. [LEARN MORE →](#)

# Connecting to PHUSE Platform

Tableau - Book1 - Tableau license expires in 11 days

Connect

Open

Discover

This is the initial screen after you launch Tableau.

Sample Workbooks

Superstore

Regional

World Indicators

More Samples

Training

Getting Started

Connecting to Data

Visual Analytics

Understanding Tableau

More training videos...

Resources

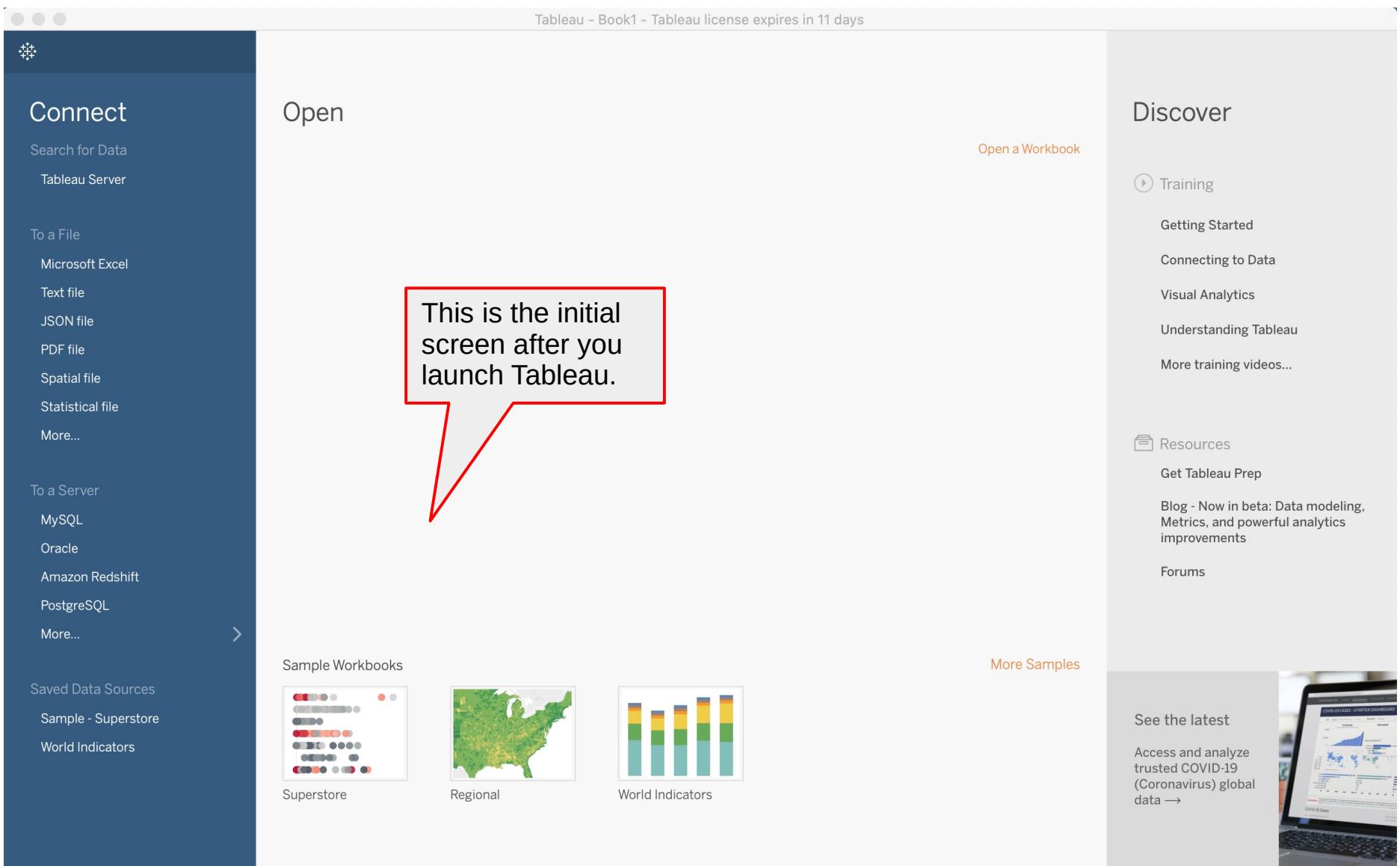
Get Tableau Prep

Blog - Now in beta: Data modeling, Metrics, and powerful analytics improvements

Forums

See the latest

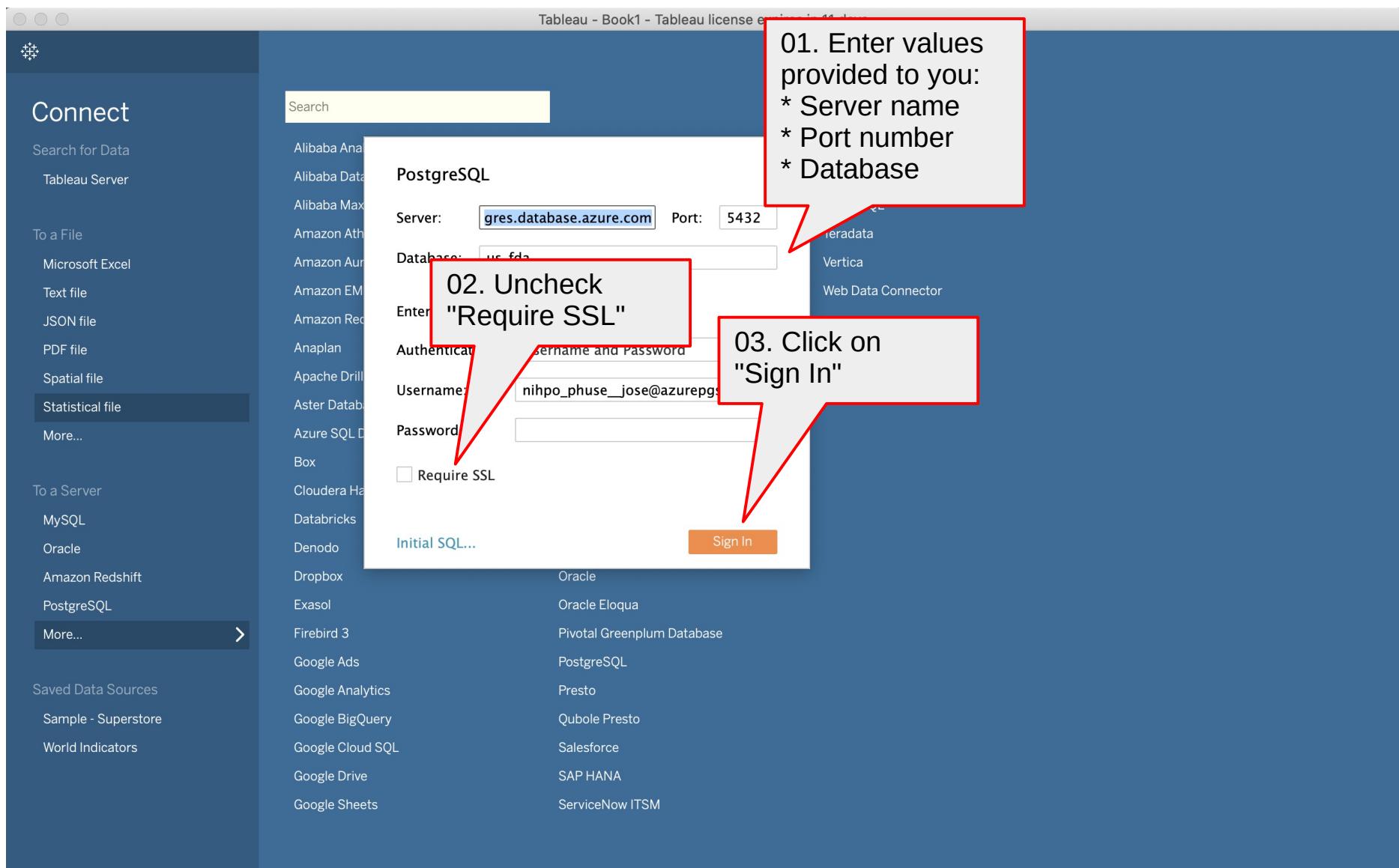
Access and analyze trusted COVID-19 (Coronavirus) global data →



# Connecting to PHUSE Platform

The screenshot shows the Tableau Connect interface. On the left, under 'To a Server', 'PostgreSQL' is selected. A red callout box points to it with the text '01. Click on "PostgreSQL" under "To a Server"'. In the center, a large list of data sources is displayed. A second red callout box points to 'PostgreSQL' in this list with the text '02. Select "PostgreSQL"'. The list includes: Alibaba AnalyticDB for MySQL, Alibaba Data Lake Analytics, Alibaba MaxCompute, Amazon Athena, Amazon Aurora for MySQL, Amazon EMR Hadoop Hive, Amazon Redshift, Anaplan, 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, and ServiceNow ITSM.

# Connecting to PHUSE Platform



# Connecting to PHUSE Platform

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.

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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 IF Cod Event Dt Mfr Dt

Rept Cod Auth Num

Update Now

Automatically Update

Go to Worksheet

Data Source Sheet 1

Connection  
Live Extract

Filters 0 Add

# 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+' 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 'Connection' tab is set to 'Live'. The 'Filters' section shows 0 filters added.

**01. Notice the data is presented per record across all 07 tables.**

**02. You may need to adjust the field types per column.**

The preview pane shows a sample of data from the nihpo\_fda\_aers\_reac\_2018 table. The columns are Primaryid (Nihpo Fda ...), Pt, and Drug Rec Act. The data shows various adverse event records. A red box highlights the first few rows, and a red arrow points from this box to a context menu open over the 'Drug Rec Act' column. The menu is titled 'Number (whole)' and includes options: Number (decimal), Number (whole), Date & Time, Date, String, Default, and Geographic Role. The 'Number (whole)' option is selected. The preview also shows other columns from the other tables in the hierarchy.

# Building Analysis

Tableau - PHUSE - Tableau license expires in 11 days

Connections Add  
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 Sort fields Data source order ▾ Show aliases Show hidden fields 1,000 rows

New Union

01. Click on "Sheet 1".

Go to Worksheet

Connection Live Extract Filters 0 | Add

Diagram showing the data structure:

```
graph TD; A[nihpo_fda_aers_demo_2018] --> B[nihpo_fda_aers_drug_2018]; A --> C[nihpo_fda_aers_indi_2018]; A --> D[nihpo_fda_aers_outc_2018]; A --> E[nihpo_fda_aers_reac_2018]; A --> F[nihpo_fda_aers_rpsr_2018]
```

Data View:

Caseid (Nihpo Fda ...)	nihpo_fda_aers_reac_2018	nihpo_fda_aers_reac_2018	nihpo_fda_aers_reac_2018	nihpo_fda_aers_reac_2018	nihpo_fda_aers_reac_2018	nihpo_fda_aers_rpsr_2018
158,961.00	15,859,396.00	Abc	Abc	Abc	Abc	Abc
158,961.00	15,859,396.00	nihpo_fda_aers_reac_2018	nihpo_fda_aers_reac_2018	nihpo_fda_aers_reac_2018	nihpo_fda_aers_reac_2018	nihpo_fda_aers_rpsr_2018
158,961.00	15,859,396.00	Caseid (Nihpo Fda ...)	Pt	Pt	Pt	id (Nihpo Fda ...)
158,961.00	15,859,396.00	Decreased appetite				Rpsr Cod
158,961.00	15,859,396.00	Dysarthria				
158,961.00	15,859,396.00	Facial paralysis				
158,961.00	15,859,396.00	Gait inability				
158,961.00	15,859,396.00	Heart rate decreased				

Number (decimal)  
Number (whole)  
Date & Time  
Date  
String  
Default  
Geographic Role ▾  
158,593,961.00

# Building Analysis

The screenshot shows the Tableau software interface. On the left, the Data Source pane displays various data sources and their fields. A red box highlights the 'Dimensions' section, and another red box highlights the 'Measures' section. Red arrows point from these highlighted sections towards 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, the status bar shows 'Data Source' and 'Sheet 1'.

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

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