

Pemrosesan data

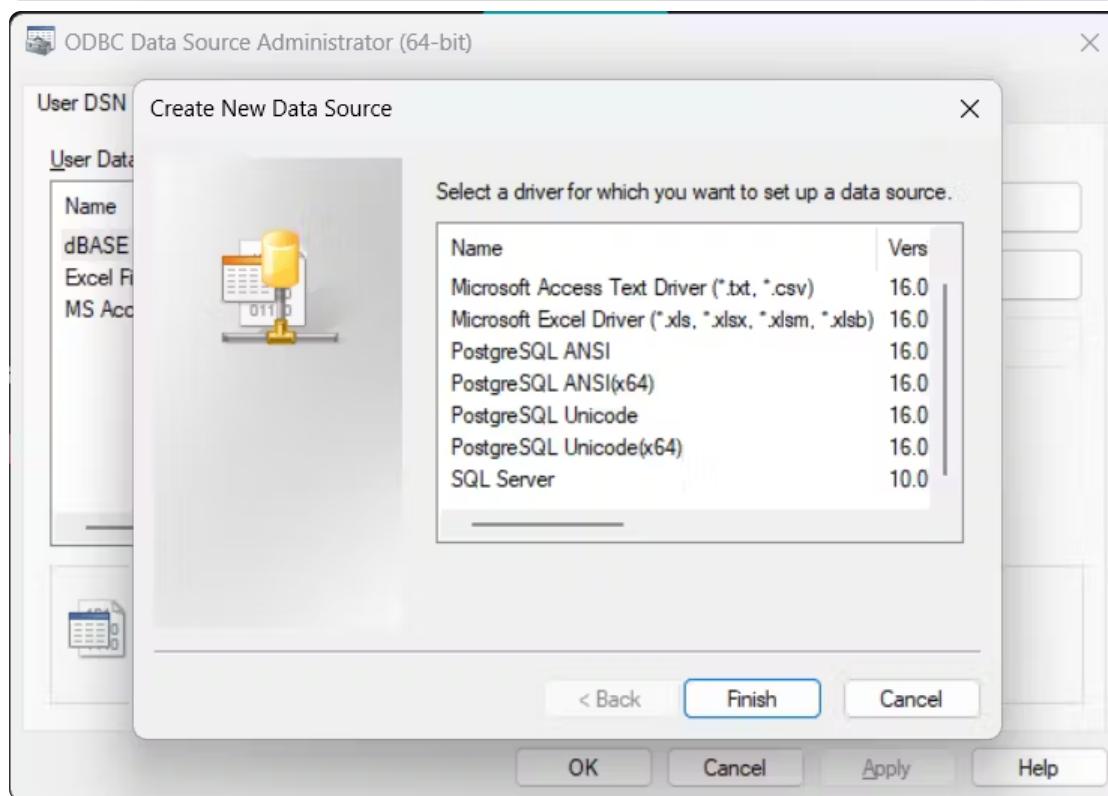
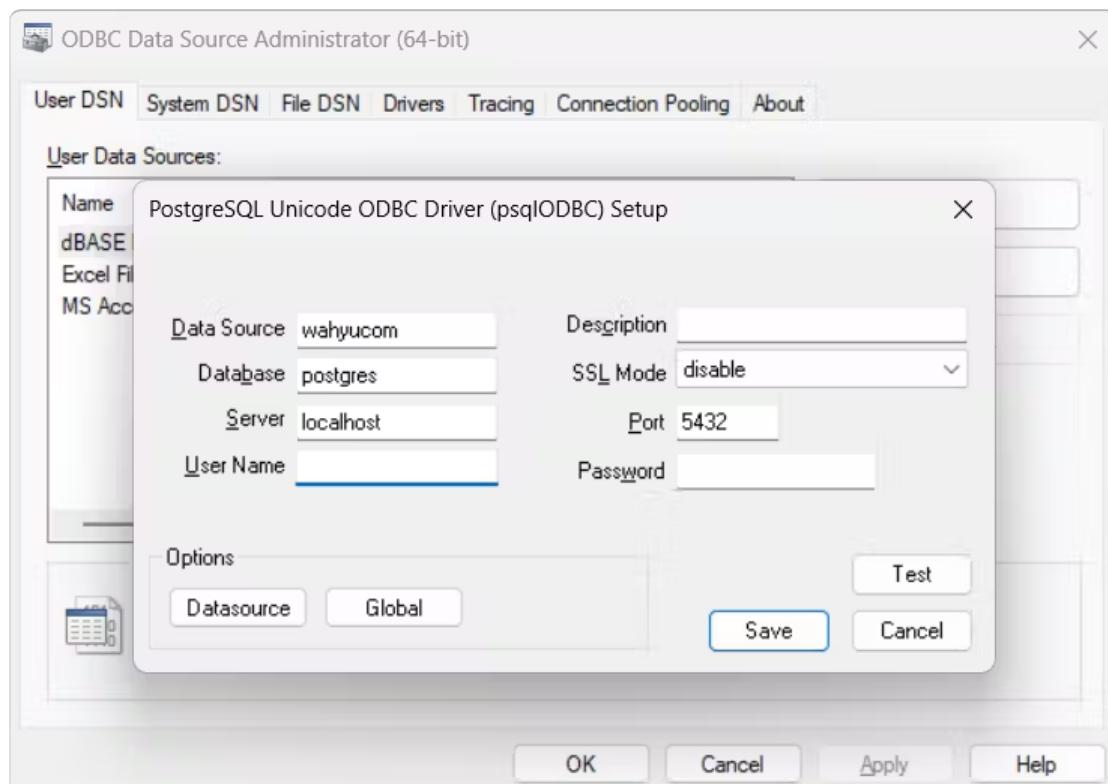


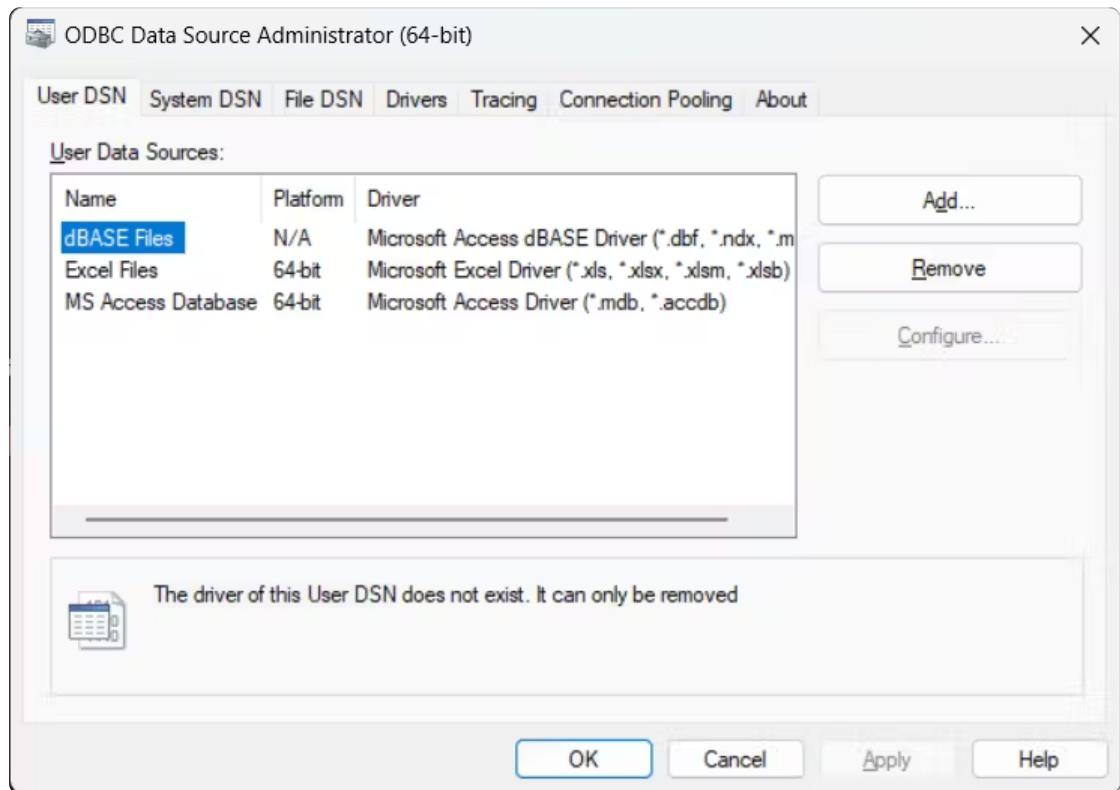
Nama: Wahyu Ikbal Maulana

NRP: 3323600056

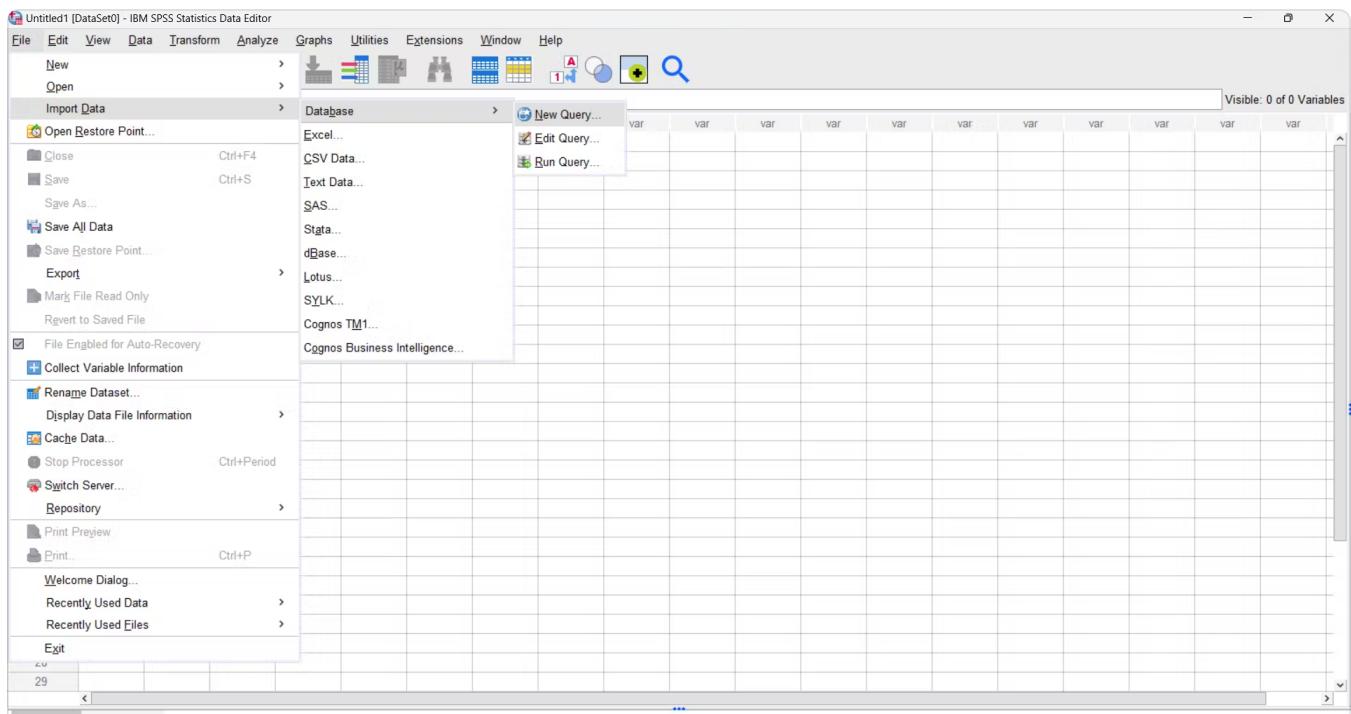
Kelas: D4 sdt B

Menghubungkan postgre dengan ODBC

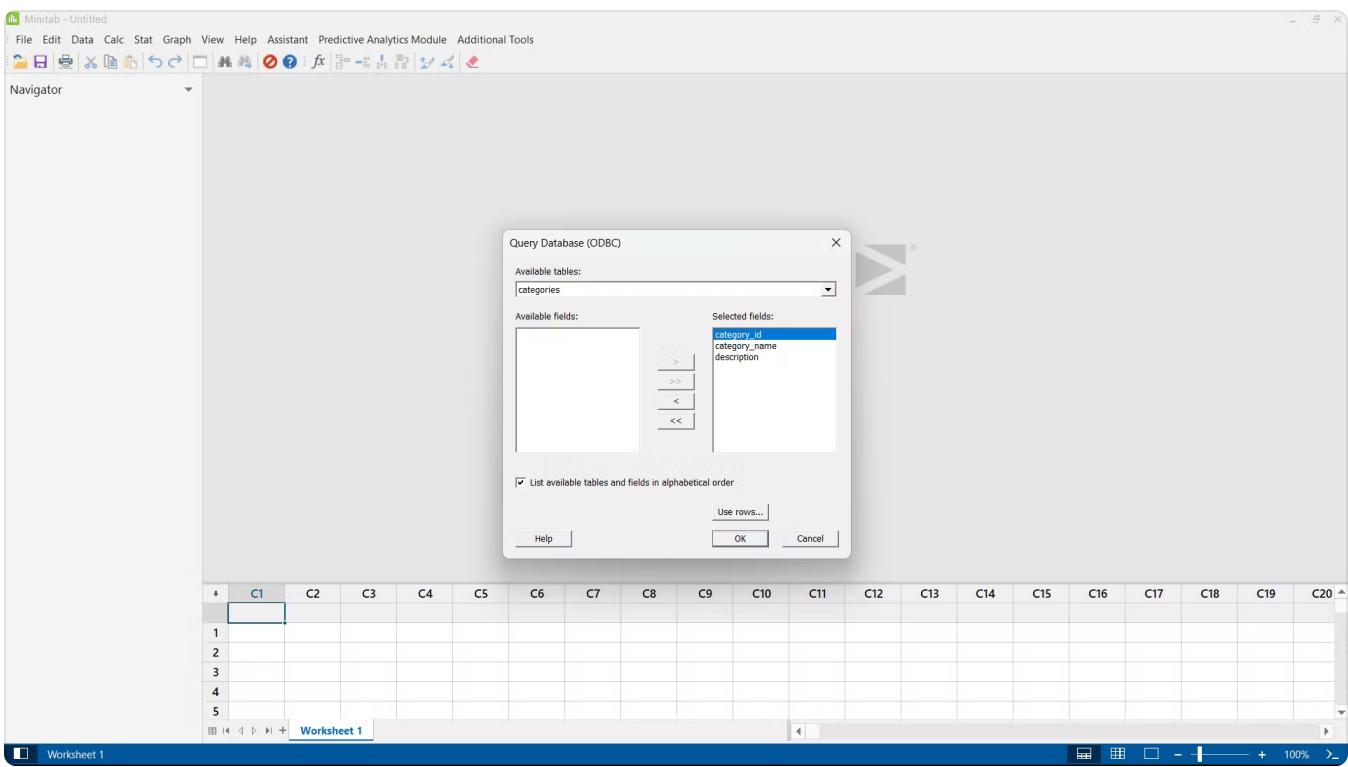
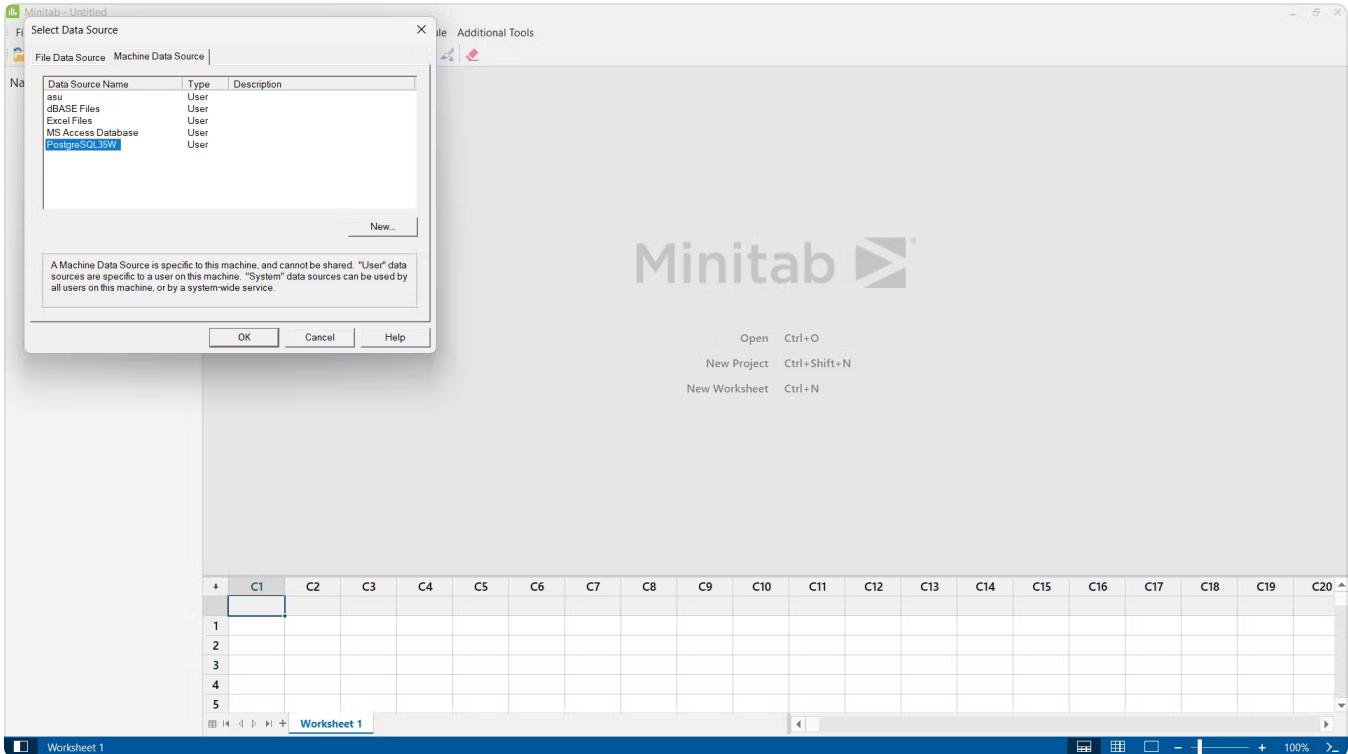




Menghubungkan Data Postgre di MiniTab



The screenshot shows the Minitab software interface. The menu bar includes File, Edit, Data, Calc, Stat, Graph, View, Help, Assistant, Predictive Analytics Module, and Additional Tools. Below the menu is a toolbar with various icons. The main workspace is titled 'Worksheet 1'. A 'PostgreSQL Connection' dialog box is overlaid on the worksheet. The dialog box contains fields for Database (PrekDemo), Server (localhost), Port (5432), User Name (postgres), and Password (redacted). It also has an 'SSL Mode' dropdown set to 'disable' and an 'Options' section with a 'Connection' button. At the bottom are 'OK' and 'Cancel' buttons. The worksheet below shows a grid with columns C1 through C20 and rows 1 through 5. The first cell in column C1 is selected.



Minitab - Untitled

File Edit Data Calc Stat Graph View Help Assistant Predictive Analytics Module Additional Tools

Navigator Open Database Connectivity WORKSHEET 1

Open Database Connectivity

Successfully retrieved ODBC data set
 Data Source Name: PostgreSQL35W
 Database Name: PrakDemo
 DBMS Name: PostgreSQL
 DBMS Version: 15.0.4

	C1	C2-T	C3-T	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13
	category_id	category_name	description										
1	1	Beverages	Soft drinks, coffees, teas, beers, and ales										
2	2	Condiments	Sweet and savory sauces, relishes, spreads, and seasonings										
3	3	Confectioms	Desserts, candies, and sweet breads										
4	4	Dairy Products	Cheeses										
5	5	Grains/Cereals	Breads, crackers, pasta, and cereal										

Worksheet 1 100% < > H +

Menghubungkan data postgre di SPSS

Untitled1 [DataSet0] - IBM SPSS Statistics Data Editor

File Edit View Data Transform Analyze Graphs Utilities Extensions Window Help

Database Wizard

Welcome to the Database Wizard!

This wizard will help you get data from a non-SPSS Statistics data source. You can choose the data source, specify which cases are retrieved, aggregate and sort the data before retrieval, and specify variable names and properties here. Some features are available only when connected to SPSS Statistics Server.

From which data source would you like to retrieve data?

ODBC Data Sources

- asu
- Excel Files
- MS Access Database
- PostgreSQL35W

Add ODBC Data Source...

Select the table types.

Tables Views Synonyms System tables

< Back Next > Finish Cancel Help

Data View Variable View

New Query... IBM SPSS Statistics Processor is ready Unicode:ON

Untitled3 [DataSet2] - IBM SPSS Statistics Data Editor

File Edit View Data Transform Analyze Graphs Utilities Extensions Window Help

Visible: 7 of 7 Variables

	order_detail_id	order_id	product_id
1	1	10248	11
2	2	10248	42
3	3	10248	72
4	4	10249	14
5	5	10249	51
6	6	10250	41
7	7	10250	51
8	8	10250	65
9	9	10251	22
10	10	10251	57
11	11	10251	65
12	12	10252	20
13	13	10252	33
14	14	10252	60
15	15	10253	31
16	16	10253	39
17	17	10253	49
18	18	10254	24
19	19	10254	55
20	20	10254	74
21	21	10255	2
22	22	10255	16
23	23	10255	36
24	24	10255	59
25	25	10256	53
26	26	10256	77
27	27	10257	27
28	28	10257	39
..

Specify Relationships

In order to retrieve data from multiple tables, you must specify how to join them. To indicate a join, first select the type of join that you want. Then drag a field from one table over the corresponding field in the other table. Alternatively, you can select the two fields and press the Join button.

Join Type: Inner Join Auto Join Tables

< Back Next > Finish Cancel Help

Data View Variable View

New Query... IBM SPSS Statistics Processor is ready Unicode ON

Untitled3 [DataSet2] - IBM SPSS Statistics Data Editor

File Edit View Data Transform Analyze Graphs Utilities Extensions Window Help

Visible: 7 of 7 Variables

	order_detail_id	order_id	product_id
1	1	10248	11
2	2	10248	42
3	3	10248	72
4	4	10249	14
5	5	10249	51
6	6	10250	41
7	7	10250	51
8	8	10250	65
9	9	10251	22
10	10	10251	57
11	11	10251	65
12	12	10252	20
13	13	10252	33
14	14	10252	60
15	15	10253	31
16	16	10253	39
17	17	10253	49
18	18	10254	24
19	19	10254	55
20	20	10254	74
21	21	10255	2
22	22	10255	16
23	23	10255	36
24	24	10255	59
25	25	10256	53
26	26	10256	77
27	27	10257	27
28	28	10257	39
..

Limit Retrieved Cases

Limit the cases that are retrieved by specifying selection criteria.

Tip: Fields and Functions can be added to an expression by dragging and dropping into a cell.

See help for how to express date and time values.

Fields:

- PrakDemo public..order_detail_id
- PrakDemo public..order_id
- PrakDemo public..product_id
- PrakDemo public..quantity

Criteria:

Connector	Expression 1	Relation	Expression 2
1			
2			
3			
4			
5			

Functions

- ABS(numexpr)
- ACOS(numexpr)
- ASCII(strexpr)
- ASIN(numexpr)
- ATAN(numexpr)
- ATAN2(xcoord,ycoord)
- CEILING(numexpr)
- Prompt For Value...

Sampling Method

Randomly Sample Cases

Retrieve cases and randomly select in SPSS Statistics

Randomly select in database and retrieve into SPSS Statistics

Sample Size

Approximate percentage of cases

Percentage: 10

Exact number of cases

Number of Cases: From First: Cases

< Back Next > Finish Cancel Help

*Untitled3 [DataSet2] - IBM SPSS Statistics Data Editor

File Edit View Data Transform Analyze Graphs Utilities Extensions Window Help

Visible: 7 of 7 Variables

	order_detail_id	order_id	product_id	var	var	var	var	var
1	1	10248	11					
2	2	10248	42					
3	3	10248	72					
4	4	10249	14					
5	5	10249	51					
6	6	10250	41					
7	7	10250	51					
8	8	10250	65					
9	9	10251	22					
10	10	10251	57					
11	11	10251	65					
12	12	10252	20					
13	13	10252	33					
14	14	10252	60					
15	15	10253	31					
16	16	10253	39					
17	17	10253	49					
18	18	10254	24					
19	19	10254	55					
20	20	10254	74					
21	21	10255	2					
22	22	10255	16					
23	23	10255	36					
24	24	10255	59					
25	25	10256	53					
26	26	10256	77					
27	27	10257	27	25	10257	35	16-Jul-2021	
28	28	10257	39	6	10257	35	16-Jul-2021	
..

Database Wizard

Select Data

Available Tables:

- PrakDemo.public.categories
- PrakDemo.public.customers
- PrakDemo.public.order_details
 - order_detail_id
 - order_id
 - product_id
 - quantity
- PrakDemo.public.orders
 - order_id
 - customer_id
 - order_date
- PrakDemo.public.products
- PrakDemo.public.testproducts

Retrieve Fields in this Order:

- PrakDemo.public.order_details.order_id
- PrakDemo.public.order_details.order_id
- PrakDemo.public.order_details.product_id
- PrakDemo.public.order_details.quantity
- PrakDemo.public.orders.order_id
- PrakDemo.public.orders.customer_id
- PrakDemo.public.orders.order_date

Sort field names Show: Tables Views Synonyms System tables

< Back Next > Finish Cancel Help

Data View Variable View

New Query...

IBM SPSS Statistics Processor is ready Unicode ON

*Untitled3 [DataSet2] - IBM SPSS Statistics Data Editor

File Edit View Data Transform Analyze Graphs Utilities Extensions Window Help

Visible: 7 of 7 Variables

	order_detail_id	order_id	product_id	quantity	order_id1	customer_id	order_date	var							
1	1	10248	11	12	10248	90	04-Jul-2021								
2	2	10248	42	10	10248	90	04-Jul-2021								
3	3	10248	72	5	10248	90	04-Jul-2021								
4	4	10249	14	9	10249	81	05-Jul-2021								
5	5	10249	51	40	10249	81	05-Jul-2021								
6	6	10250	41	10	10250	34	08-Jul-2021								
7	7	10250	51	35	10250	34	08-Jul-2021								
8	8	10250	65	15	10250	34	08-Jul-2021								
9	9	10251	22	6	10251	84	08-Jul-2021								
10	10	10251	57	15	10251	84	08-Jul-2021								
11	11	10251	65	20	10251	84	08-Jul-2021								
12	12	10252	20	40	10252	76	09-Jul-2021								
13	13	10252	33	25	10252	76	09-Jul-2021								
14	14	10252	60	40	10252	76	09-Jul-2021								
15	15	10253	31	20	10253	34	10-Jul-2021								
16	16	10253	39	42	10253	34	10-Jul-2021								
17	17	10253	49	40	10253	34	10-Jul-2021								
18	18	10254	24	15	10254	14	11-Jul-2021								
19	19	10254	55	21	10254	14	11-Jul-2021								
20	20	10254	74	21	10254	14	11-Jul-2021								
21	21	10255	2	20	10255	68	12-Jul-2021								
22	22	10255	16	35	10255	68	12-Jul-2021								
23	23	10255	36	25	10255	68	12-Jul-2021								
24	24	10255	59	30	10255	68	12-Jul-2021								
25	25	10256	53	15	10256	88	15-Jul-2021								
26	26	10256	77	12	10256	88	15-Jul-2021								
27	27	10257	27	25	10257	35	16-Jul-2021								
28	28	10257	39	6	10257	35	16-Jul-2021								
..

Data View Variable View

IBM SPSS Statistics Processor is ready Unicode ON

Menghubungkan data postgre di excel

The screenshot shows a Microsoft Excel spreadsheet titled "Book1 - Excel". The spreadsheet contains a table named "categories" with the following data:

category_id	category_name	description
1	Beverages	Soft drinks, coffees, teas, beers, and ales
2	Condiments	Sweet and savory sauces, relishes, spreads, and seasonings
3	Confections	Desserts, candies, and sweet breads
4	Dairy Products	Cheeses
5	Grains/Cereals	Breads, crackers, pasta, and cereal
6	Meat/Poultry	Prepared meats
7	Produce	Dried fruit and bean curd
8	Seafood	Seaweed and fish

The "Table Tools" ribbon is selected, specifically the "Query" tab. In the bottom right corner, there is a "Queries & Connections" pane showing a single query named "categories" with 8 rows loaded.

Book1 - Excel

File Home Insert Draw Page Layout Formulas Data Review View Help PDFelement Terabox Table Tools Query Tell me what you want to do

Table Name: categories Summarize with PivotTable Remove Duplicates Insert Slicer Properties Export Refresh Open in Browser Unlink Resize Table Convert to Range External Table Data Table Style Options Table Styles

A1 A B C D E F G H I J K L

1 category_id category_name description

2 1 Beverages Soft drinks, coffees, teas, beers, and ales

3 2 Condiments Sweet and savory sauces, relishes, spreads, and seasonings

4 3 Confections Desserts, candies, and sweet breads

5 4 Dairy Products Cheeses

6 5 Grains/Cereals Breads, crackers, pasta, and cereal

7 6 Meat/Poultry Prepared meats

8 7 Produce Dried fruit and bean curd

9 8 Seafood Seaweed and fish

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

categories Sheet1

Ready Accessibility: Investigate

Queries & Connections

Queries Connections

1 query

categories 8 rows loaded.

Book1 - Excel

File Home Insert Draw Page Layout Formulas Data Review View Help PDFelement Terabox Tell me what you want to do

From Text/CSV Recent Sources Get & Transform Data From Web Existing Connections From Table/Range Get & Transform Data Queries & Connections Refresh All Workbook Links Sort & Filter Advanced Text to Columns Flash Fill Consolidate Remove Duplicates Relationships What-If Analysis Forecast Group Ungroup Subtotal Outline Data Tools Data Analysis

A1 File Home Transform Add Column View

category_id category_name description

1 Beverages

2 Condiments

3 Confections

4 Dairy Products

5 Grains/Cereals

6 Meat/Poultry

7 Produce

8 Seafood

Queries [1] categories - public_Schema[[Name="categories",Kind="Table"]][Data]

Power Query Editor

Do you want to keep your changes?

Keep Discard Cancel

Query Settings

PROPERTIES

Name: categories

All Properties

APPLIED STEPS

Source Navigation

3 COLUMNS, 8 ROWS

PREVIEW DOWNLOADED AT 11:39 100%

Menghubungkan postgre di python

```
File Edit Selection View ... ← → ⌂ gemastik
game.py oke.py okokeokaoksda.ipynb ●
okokeokaoksda.ipynb > import pandas as pd
+ Code + Markdown | Run All Restart Clear All Outputs | Variables Outline ...
Python 3.10.7
import pandas as pd
import psycopg2

conn = psycopg2.connect(database="PrakDemo",
                        user="postgres",
                        password="wahyuikbal7A",
                        host="localhost",
                        port="5432")
cursor = conn.cursor()

cursor.execute("SELECT * FROM customers")
dataset = cursor.fetchall()

nama_kolom = [desc[0] for desc in cursor.description]
df = pd.DataFrame(dataset, columns=nama_kolom)
df

# conn.close()
✓ 0.1s
```

[2] Python

	customer_id	customer_name	contact_name	address	city	postal_code	country
0	1	Alfreds Futterkiste	Maria Anders	Obere Str. 57	Berlin	12209	Germany
1	2	Ana Trujillo Emparedados y helados	Ana Trujillo	Avda. de la Constitucion 2222	Mexico D.F.	05021	Mexico
2	3	Antonio Moreno Taquera	Antonio Moreno	Mataderos 2312	Mexico D.F.	05023	Mexico
3	4	Around the Horn	Thomas Hardy	120 Hanover Sq.	London	WA1 1DP	UK
4	5	Berglunds snabbkoep	Christina Berglund	Berguvsvagen 8	Lulea	S-958 22	Sweden
...
86	87	Wartian Herkku	Pirkko Koskitalo	Torikatu 38	Oulu	90110	Finland
87	88	Wellington Importadora	Paula Parente	Rua do Mercado, 12	Resende	08737-363	Brazil

x 0 AWS X CodeWhisperer Share Code Link Blackbox Reconnect to Discord Search Terminal Output Tabnine: Sign-in is required