



**postgresql,  
pgAdmin,  
and creating the  
data\_analyst\_jobs table**

PostgreSQL

## Install PostgreSQL and PgAdmin:

Download and install the latest stable (not beta) version of PostgreSQL for your OS:

<https://www.enterprisedb.com/downloads/postgres-postgresql-downloads>

During installation you can accept all the defaults. A few things to confirm:

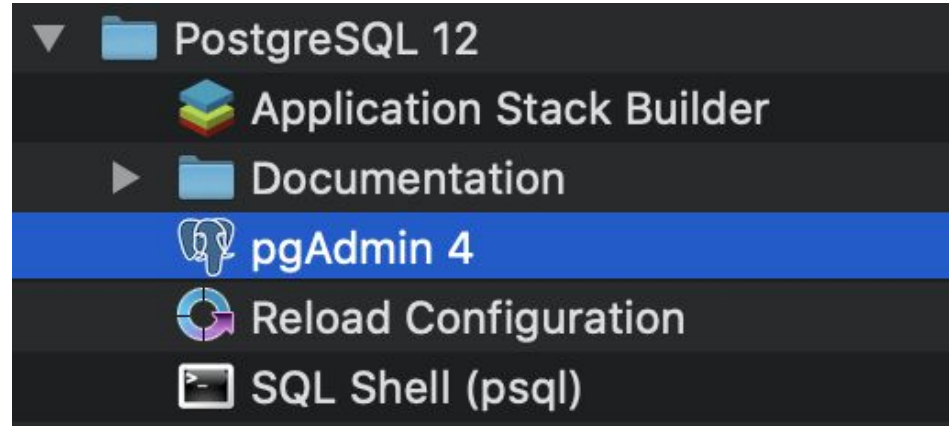
1. Database Port is 5432
2. Database password is “**postgres**”

---

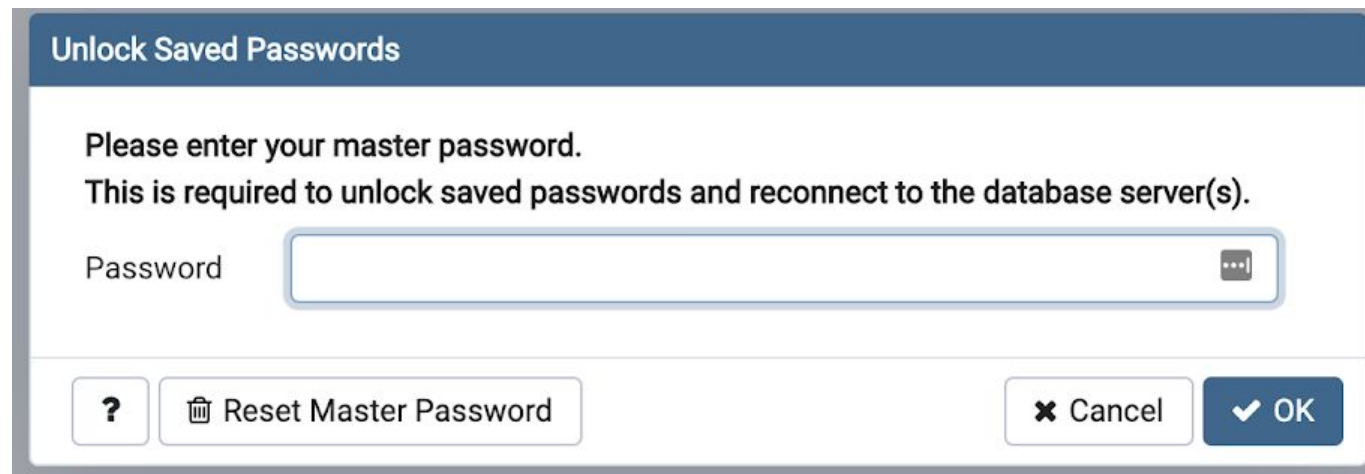
Since this is not secure data and it is for learning use, set the postgres and pgAdmin administrative passwords to “**postgres**”. This is not something you would do with secure data in a production environment!

## Launch PgAdmin:

You can search for it in the search bar or navigate to it in your file browser. It is located in the PostgreSQL folder that was created during installation:



Once launched, enter the master password, **which should be “postgres”**:



Browser

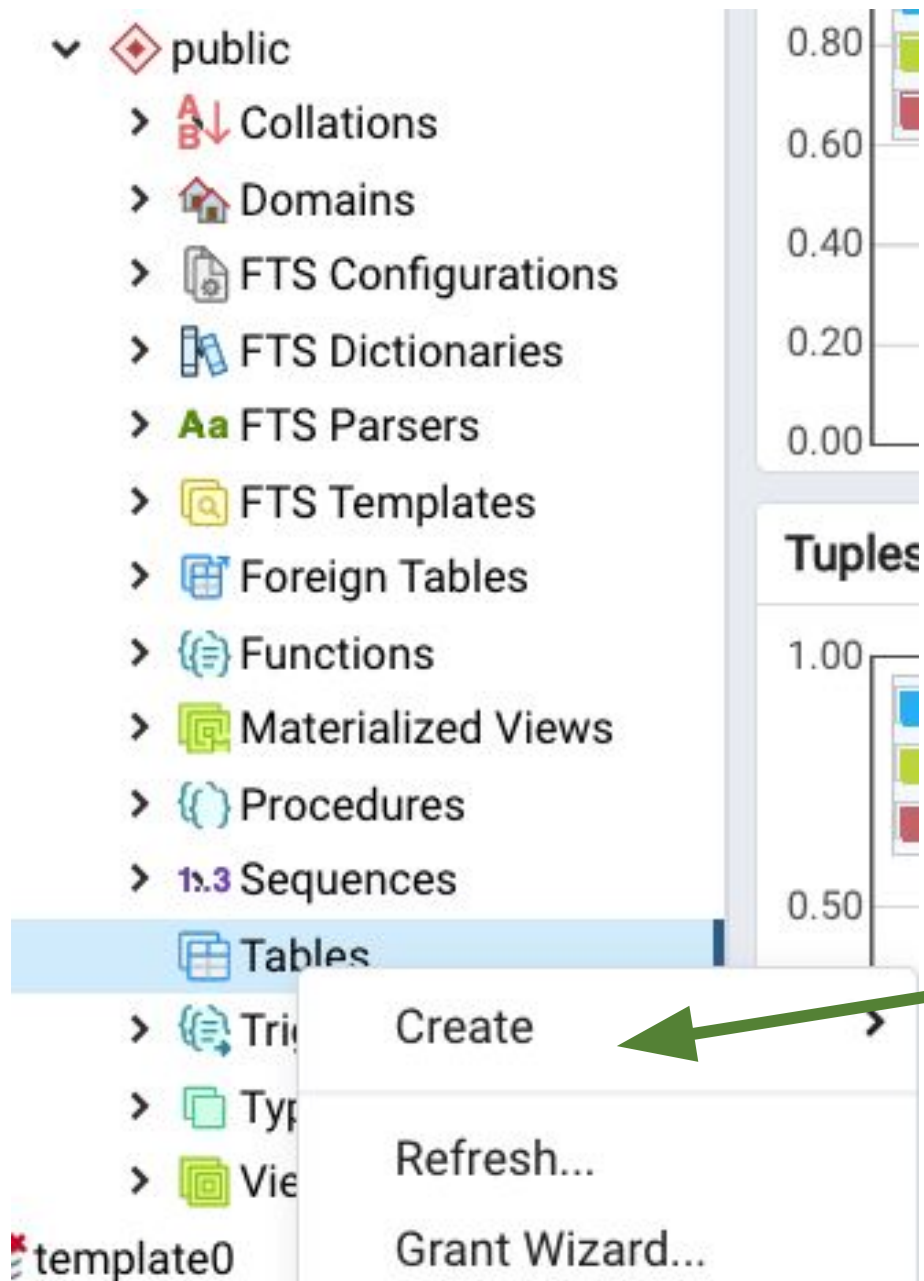
On the PostgreSQL 13 Server

In the postgres database

Expand the Schemas

Find the public schema

- ▼ Servers (3)
  - ▼ PostgreSQL 13
    - ▼ Databases (4)
      - › maryvanvalkenburg
      - ▼ postgres
        - › Casts
        - › Catalogs
        - › Event Triggers
        - › Extensions
        - › Foreign Data Wrappers
        - › Languages
        - ▼ Schemas (4)
          - › pg\_temp\_1
          - › pg\_toast
          - › pg\_toast\_temp\_1
          - › public
        - template0
        - › template1
        - › Login/Group Roles
        - › Tablesnaces



Right-click on Tables → Create → Table...

Under the **General** tab  
- give your table the name  
**data\_analyst\_jobs**

Create - Table

General

Columns

Constraints

Advanced

Partition

Parameters

Security

SQL

Name

data\_analyst\_jobs

Owner

postgres

Schema

public

Tablespace

Select an item...

Partitioned table?

No

Comment

i



?

Cancel

Reset


Save



















- Under the **Columns** tab
- define your columns with the names and data types pictured



 data\_analyst\_jobs 




General Columns Constraints Advanced Parameters Security SQL

Inherited from table(s)

Columns 

	Name	Data type	Length	Precision	Not NULL?	Primary key? ▲
 	title	<input type="text" value="text"/>			<input type="checkbox"/> No	<input type="checkbox"/> No
 	skill	<input type="text" value="text"/>			<input type="checkbox"/> No	<input type="checkbox"/> No
 	company	<input type="text" value="text"/>			<input type="checkbox"/> No	<input type="checkbox"/> No
 	review_count	<input type="text" value="integer"/>			<input type="checkbox"/> No	<input type="checkbox"/> No
 	star_rating	<input type="text" value="numeric"/>			<input type="checkbox"/> No	<input type="checkbox"/> No
 	days_since_posting	<input type="text" value="integer"/>			<input type="checkbox"/> No	<input type="checkbox"/> No
 	location	<input type="text" value="text"/>			<input type="checkbox"/> No	<input type="checkbox"/> No
 	company_size	<input type="text" value="text"/>			<input type="checkbox"/> No	<input type="checkbox"/> No
 	domain	<input type="text" value="text"/>			<input type="checkbox"/> No	<input type="checkbox"/> No

 Cancel  Reset  Save

Tables (1)

data\_analyst\_jobs

Right-click on the **data\_analyst\_jobs** table

Create

Refresh...

Count Rows

Delete/Drop

Drop Cascade

Reset Statistics

Import/Export...

Maintenance...

Scripts

Truncate

Backup...

Restore...

View/Edit Data

Query Tool...

Properties...

Select **Import/Export**



## Import/Export data - table 'data\_analyst\_jobs'

Options Columns

Import/Export

Import

Be sure to toggle to **Import**

### File Info

Filename

/Users/maryvanvalkenburg/NSS/random\_data/job\_titles/indeed\_data\_analysts.csv

...

Format

csv

Encoding

Select an item...

### Miscellaneous

OID

No

This file **does** have a header row

Header

Yes

Delimiter

,

Specifies the character that separates columns within each row (line) of the file. The default is a tab character in text format, a comma in CSV format. This must be a single one-byte character. This option is not allowed when using binary format.

Click the ellipsis (...) and browse to the csv file

It's comma delimited

Quote

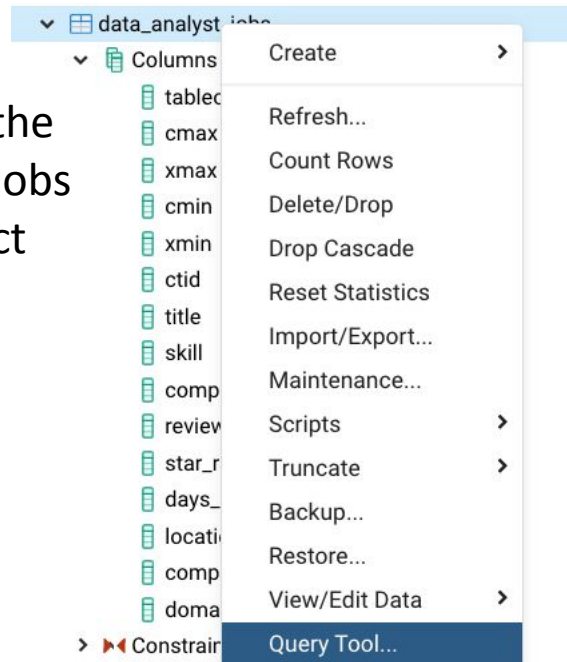
"

Specifies the quoting character to be used when a data value is quoted. The default is double-quote. This must be a single one-byte character. This option is allowed only when using CSV format.

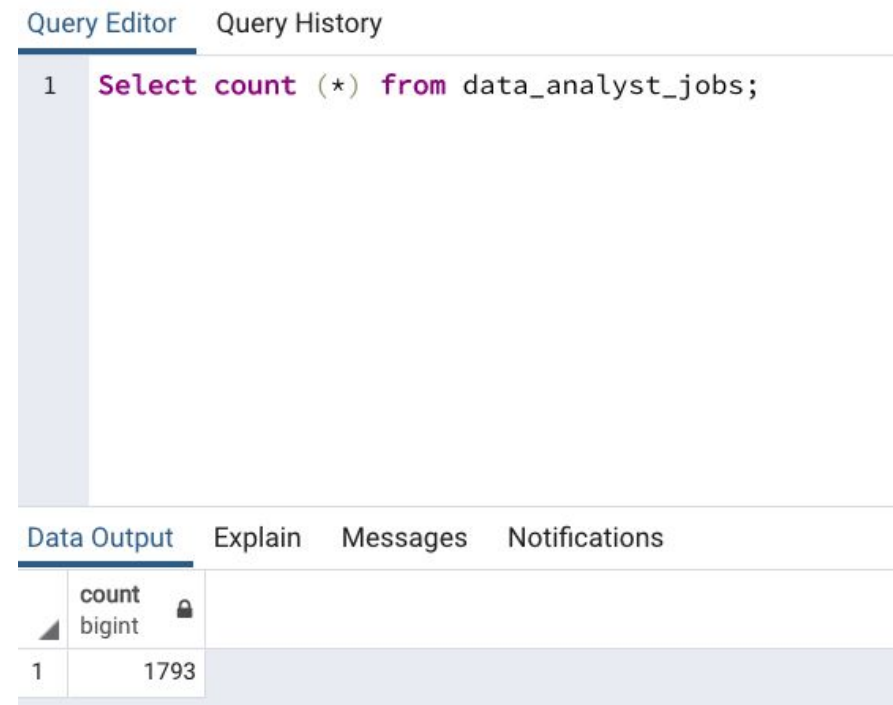
Once you get a **success** message:

1.

Right-click on the  
data\_analyst\_jobs  
table and select  
`Query Tool`



2. Run a query to count the rows in your new table.



Use comments to keep your SQL commands and answers:

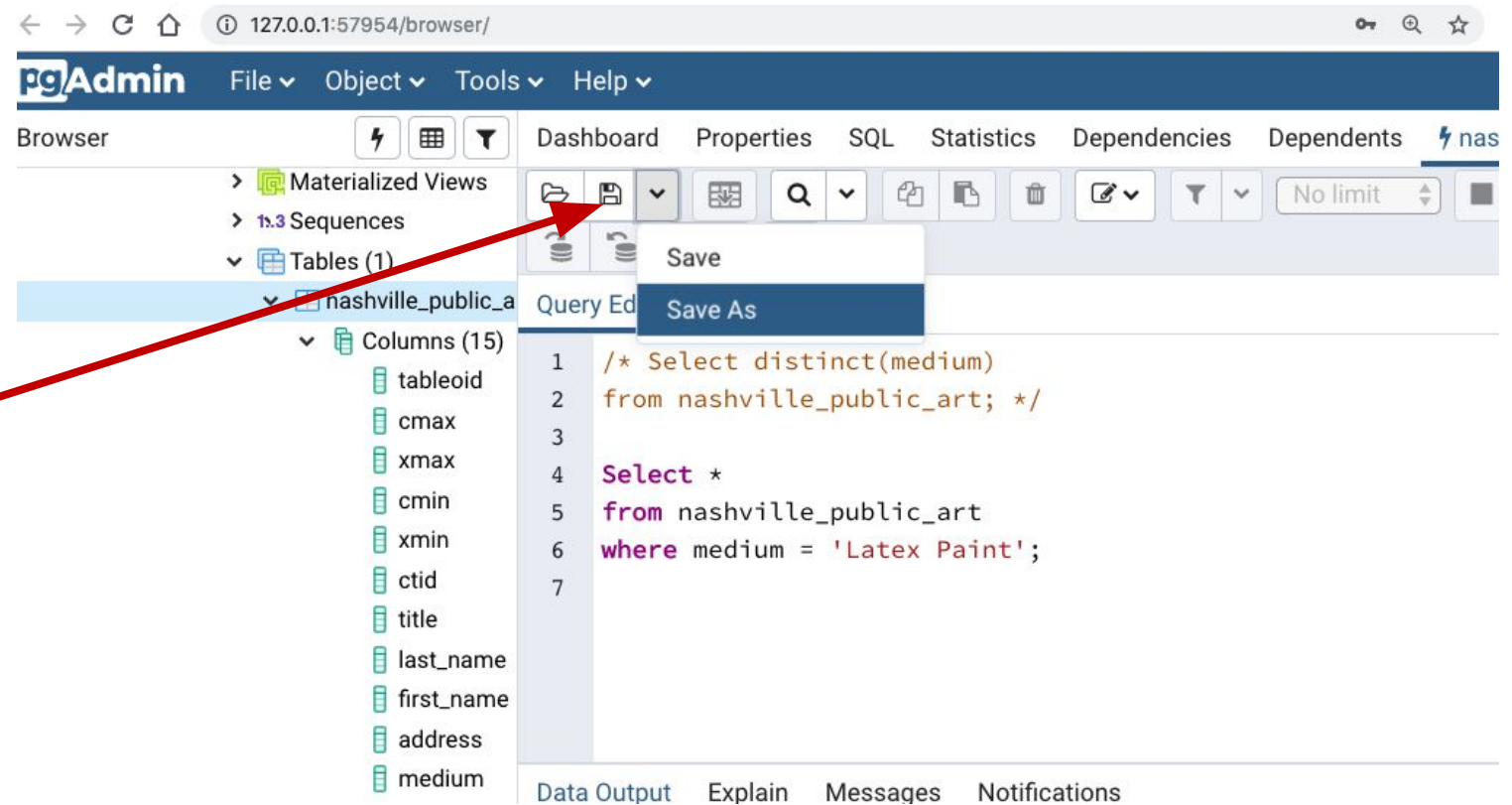
`/*` multiline comment

Uses these

Symbols `*/`

`--` single line comments like this

And save your script after working:



Save File

/Users/maryvanvalkenburg/GIT/nss-data-analytics-01/data-ana...

Name	Size	Modified
.git	416.0 B	Fri Oct 25 10:52:50 2019
scripts	64.0 B	Tue Oct 29 09:11:44 2019

Show hidden files and folders? ☒

Format sql

Create a script directory in your repo, browse to it, and give your SQL script a name.

Be sure SQL format is selected.

**When you return to  
continue working, use  
the folder icon to  
open your SQL script.**

