

Connecting directly to the database using your tool of choice

You don't need to use pgAdmin at all. PostgreSQL is well-supported by a variety of tools. Jupyter Notebooks, QGIS, Tableau - they all support PostgreSQL, you can connect PostgreSQL to all of these tools to make visualizations or calculations.

Instructions on how to connect to the database:

1. Jupyter notebook (Python) (<https://medium.com/analytics-vidhya/postgresql-integration-with-jupyter-notebook-deb97579a38d>)
2. R (<https://www.datacareer.de/blog/connect-to-postgresql-with-r-a-step-by-step-example/>)
3. Excel (<https://www.devart.com/odbc/postgresql/docs/excel.htm>)
4. Google Earth Engine (JavaScript) (Google Earth doesn't allow you to import Shapefile from PostgreSQL - you need to export Spatial Data from SQL Table to Shapefiles first - we don't support this feature yet)
5. Mapbox (Mapbox supports only GeoJSONs so you need to export data from SQL table back to GeoJson - we don't support this feature yet)
6. ArcGIS pro (<https://pro.arcgis.com/en/pro-app/latest/help/data/databases/connect-postgresql.htm>)
7. QGIS (<https://scdm.geography.wisc.edu/2020/12/08/spatial-database-connect-to-postgresql-postgis-through-qgis/>)
8. Power BI (<https://hevodata.com/learn/connect-postgresql-to-power-bi/>)
9. Tableau (https://help.tableau.com/current/pro/desktop/en-us/examples_postgresql.htm)
10. ArcGIS dashboard (<https://desktop.arcgis.com/en/arcmap/latest/manage-data/databases/connect-postgresql.htm>)
11. Flourish (<https://flourishlib.com/docs/fDatabase.html>)

Credentials

Host: datastorage.undp.blr.review

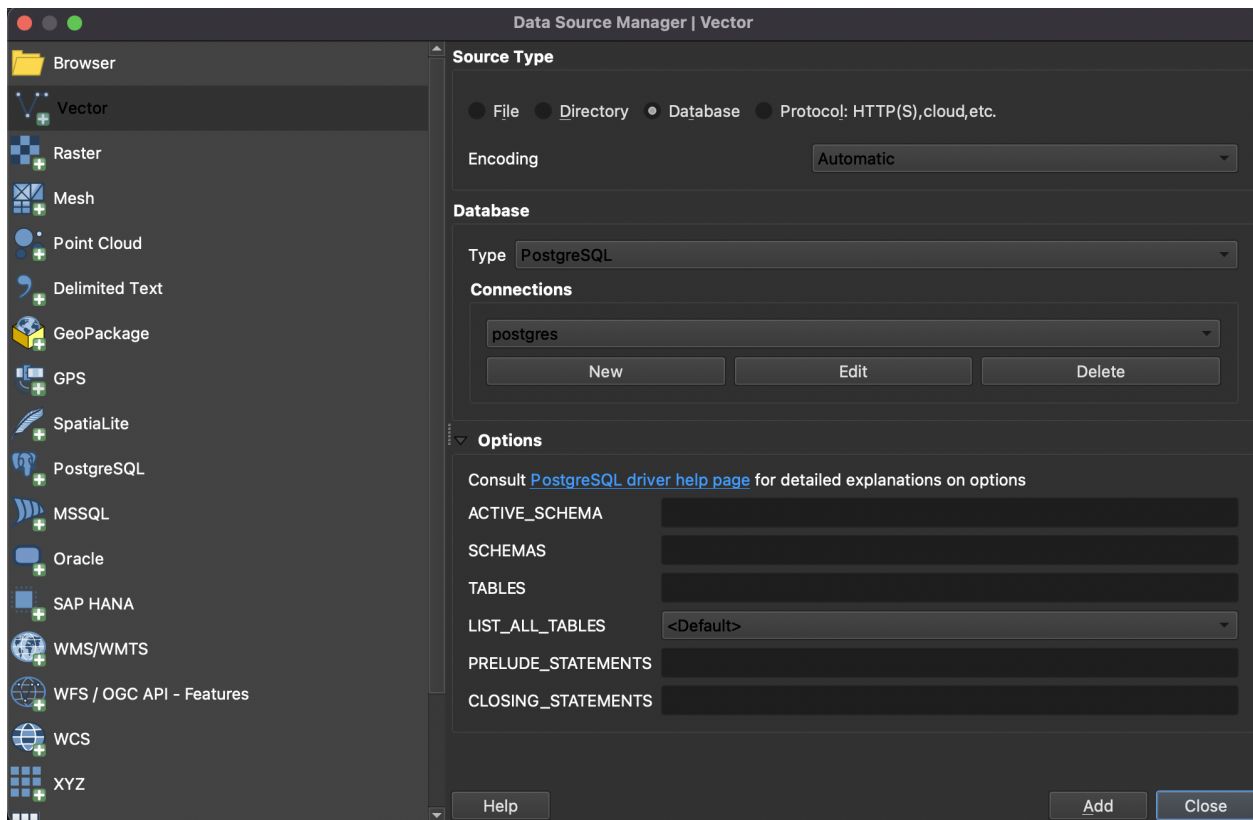
User: postgres

Password: i3r993rjnnllfl2210g

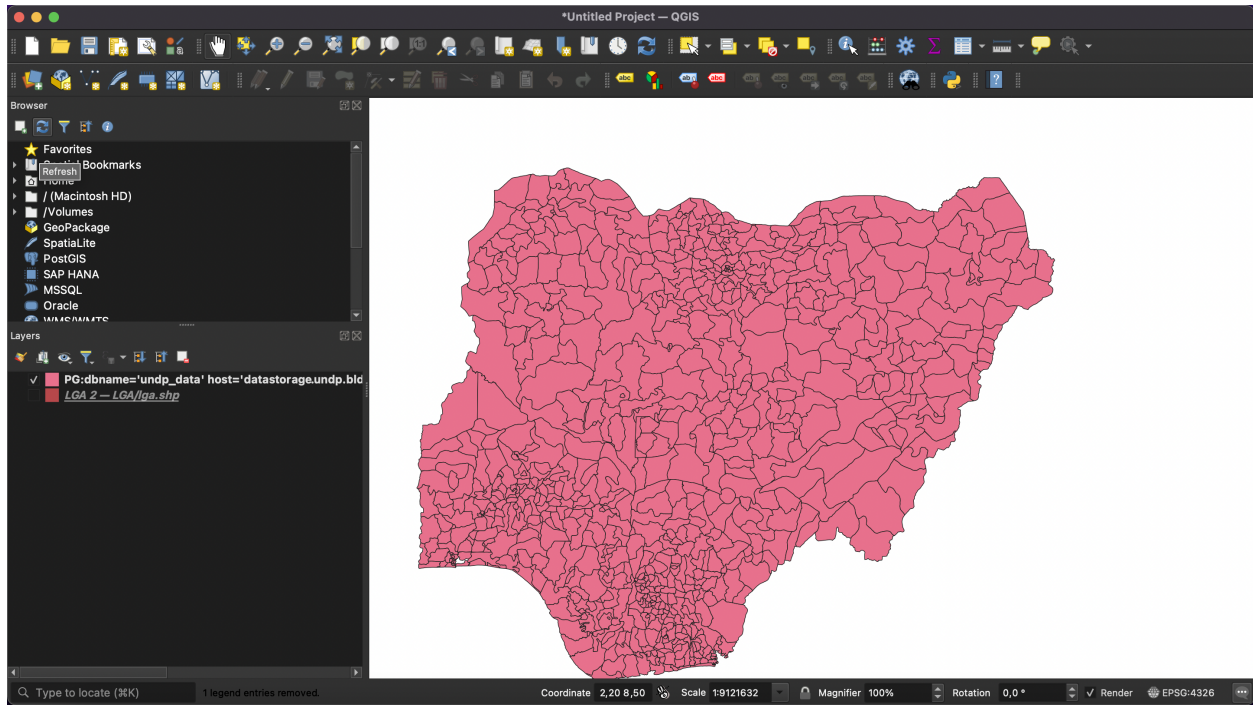
Port: 5432

Database: undp_data

Example of selecting Vector from PostgreSQL database (lga table) in QGIS 3



The outcome:



If you have any issues or questions regarding connecting the database to your tool, retrieving data, the structure of the tables in the database just let us know on Slack.