Fundamentals for Applied Data Science

PostgreSQL Setup

PostgreSQL Overview

- Powerful, open-source object-relational database management system (ORDBMS)
- Open-source, i.e., not controlled by any single company. Its development relies on the global community of developers & companies
- Download, install, use & inspect its source code at no cost.
- Software products used:
 - **PostgreSQL** (database server): Core DBMS, including command line tools, programming language libraries etc.
 - **pgAdmin 4 (client tool):** Graphical user interface

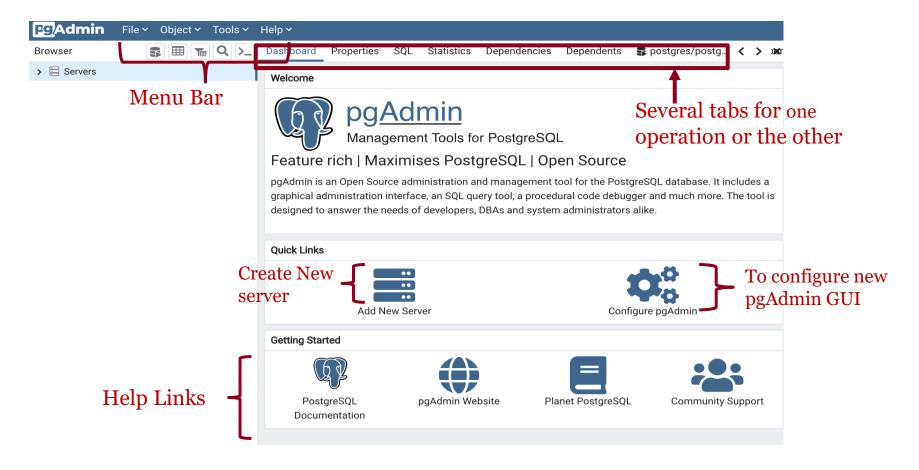
Setting up PostgreSQL & pgAdmin

- Go to
 - https://www.enterprisedb.com/downloads/postgres-postgresql-downloads)



- Select your operating system (e.g., macos) and follow the on-screen instructions
- Extract the contents of the compressed file
 - Follow the installation instructions
- It will request for superuser password, provide a password you are comfortable with.
- Okay to leave the suggested default port number 5432 on which the server will listen to pgAdmin

pgAdmin Interface



Main Window – Tree Control

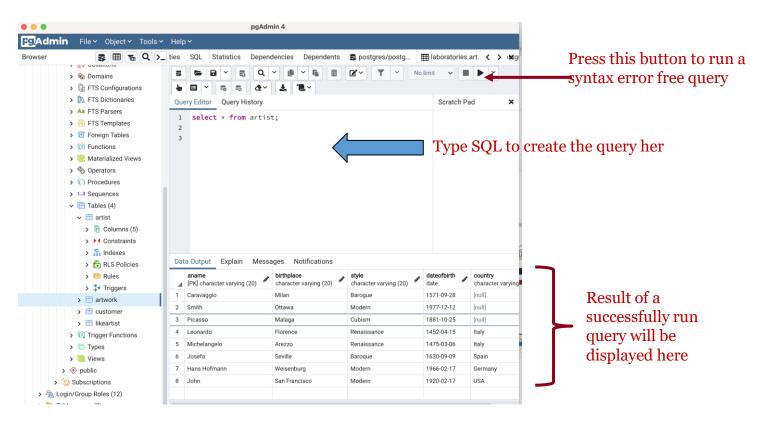
Server tree and the objects that reside on a server





The Query Tool

Can be accessed through Tools > Query Tool



For more info...

• About PostgreSQL: https://www.postgresql.org/

• About pgAdmin 4: https://www.pgadmin.org/