SQL

PGAdmin

SetUp

https://youtu.be/u_gFq43p0VQ

- Download PostgreSQL (https://www.enterprisedb.com/downloads/postgres-postgresql-downloads)
 - Accept default installation
 - Tick everything
 - Choose a password. PostgreSQL runs as a service in the background; the PostgreSQL service account is named postgres. If you have already created a service account with the name postgres, you must specify the same password as the existing password for the postgres service account
 - Use the default port number 5432
- Import the Pagila database
 - Click on PostgreSQL 14
 - Click onDatabasesCreate >Database
 - Click on the name
 - Click restore



```
✓ MPostgreSQL 13
Format =
                                                                                  🗸 🥞 Databases (2)
                                                                                    🗸 🍔 Pagila
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   Tables
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# initiate database | specify directory | password prompt
                                                                                           > @ Materialized View
initdb -D DataCollectionPipeline -W
                                                                                           > ( ) Procedures
                                                                                           > 1...3 Sequences
man initdb

▼ (21)

postgres -D DataCollectionPipeline
                                                                                             > == actor
                                                                                             > = address
```

> == category
> == city

- Connect to local pc
 - Server >

Create >

Server

Group

- Type
 - 'localhost'

into host

address

Port 5432

Pandas

```
pip install SQLAlchemy psycopg2-binary
from sqlalchemy import create_engine
import psycopg2
engine = create_engine('postgresql://dbuser:dbpass@localhost:5432/sample_db')
df.to_sql('sample_table', engine, if_exists='replace')
sql_df = pd.read_sql('sample_table', engine, index_col='Respondent')
```

SQL 2

```
sql_df.head()
sql_df = pd.read_sql('SELECT * FROM sample_table', engine, index_col='Respondent')
```

SQL 3