Week 2 repo

<https://github.com/MGIS-UMN/GIS5577_week2>

Github test assignment

* Every assignment repo is linked on Canvas

SELECT TOTAL, total, ToTAL

FROM mn\_census\_tracts\_2000

-- THere is no case sensitive formatting

SELECT TOTAL, total + ToTAL

-- this is dobuling the populations

FROM mn\_census\_tracts\_2000

--Write a statement that selects 3 racial populations

SELECT white\_alone, black\_alone, american\_indian\_alone

FROM mn\_census\_tracts\_2000

--Write a statement that has all children under 5 in a single column

SELECT male\_under\_5\_years + female\_under\_5\_years , 'David'

FROM mn\_census\_tracts\_2000

-- Why is David repeated

SELECT male\_under\_5\_years + female\_under\_5\_years , 'David'

FROM mn\_census\_tracts\_2000

--

SELECT 'David'

Select count(1)

FROM mn\_census\_tracts\_2000

Questions

1. Statement that adds 3 numbers together

select 1 + 5 + 9

select 3 + 4 + 5

1. Statement that two columns with your first and last name

select 'Zain Ul Abidn', 'Siyal'

1. Statement
   1. select 'Zain Ul Abidn', 'Siyal'
   2. We want this in 1 column
   3. select 'Zain Ul Abidn' || 'Siyal'
   4. select 'Zain Ul Abidn ' || 'Siyal'
   5. select 'Zain Ul Abidn' || ' Siyal'
   6. select 'Zain Ul Abidn' || ' ' || 'Siyal' || 'adfadgbfadg'
   7. select 'Diego', 'Osorio'
   8. select 'Diego' || 'Osorio'

select 'Diego' || 'Osorio';

-- , will give us a new column

-- ||

Statement that selects 3 racial populations

SELECT white\_alone, black\_alone, american\_indian\_alone

FROM mn\_census\_tracts\_2000

--Write a statement that has all children under 5 in a single column

SELECT male\_under\_5\_years + female\_under\_5\_years

FROM mn\_census\_tracts\_2000

-- Why is David repeated ?

SELECT male\_under\_5\_years + female\_under\_5\_years , 'David'

FROM mn\_census\_tracts\_2000

CREATE

CREATE TABLE family (family\_id integer, first\_name text, last\_name text, age integer);

INSERT INTO family (family\_id, first\_name, last\_name, age) VALUES (2, 'David', 'Haynes', 6),(3, 'Olivia', 'Haynes', 4);

select \*

from family

-- Questions what happens if you swap some columns around

INSERT INTO family (family\_id, last\_name,first\_name, age) VALUES (2, 'Jackie', 'Haynes', 8)

-- IT worked

-- THe order of the column needs to match your data

select \*

from family

-- My data is float will integer accept

INSERT INTO family (family\_id, first\_name, last\_name, age) VALUES (2, 'Jackie', 'Haynes', 8.354)

--It worked

select \*

from family

-- My data is float will integer accept

INSERT INTO family (family\_id, first\_name, last\_name, age) VALUES (2, '99.326565', 'Haynes', 8.354)

--It worked

-- we gave it single quotes so it considerd to be text

select \*

from family

INSERT INTO family (family\_id, first\_name, last\_name, age) VALUES (2, 99.326565, 'Haynes', 8.354)

-- It worked

-- text accepts anything

select \*

from family

-- Integer is a more restrictive type of data

INSERT INTO family (family\_id, first\_name, last\_name, age) VALUES (2, 99.326565, 'Haynes', 'apples')

-- ERrror

INSERT INTO family (family\_id, first\_name, last\_name, age) VALUES (2, 99.326565, 'Haynes', '8.354')

-- ERROR

-- INput multiple peoplt in your family in one statement

INSERT INTO family (family\_id, first\_name, last\_name, age) VALUES (2, 'David', 'Haynes', 8), (2, 'Oscar', 'Grouch', '54')

----

SELECT \*

FROM us\_census\_tracts\_2014\_2018

WHERE state\_name = 'Minnesota'

-- how many census in california

-- how many census in california

SELECT count(1) -- not case sensitive for field names

FROM us\_census\_tracts\_2014\_2018

WHERE state\_name = 'California'

-- 8057 census tracts

-- how many census in california & wyoming

SELECT count(1) -- not case sensitive for field names

FROM us\_census\_tracts\_2014\_2018

WHERE state\_name = 'California' + ‘Wyoming’

C:\Console2

C:\Console2>cd "c:\Program Files\PostgreSQL\13\bin"

c:\Program Files\PostgreSQL\13\bin>psql

psql: error: could not connect to server: Connection refused (0x0000274D/10061)

Is the server running on host "localhost" (127.0.0.1) and accepting

TCP/IP connections on port 5432?

could not connect to server: Connection refused (0x0000274D/10061)

Is the server running on host "localhost" (::1) and accepting

TCP/IP connections on port 5432?

c:\Program Files\PostgreSQL\13\bin>psql -h spatialdb.gisandbox.org -p 5432 -d dhaynes -U dahaynes

psql: error: FATAL: password authentication failed for user "dahaynes"

FATAL: password authentication failed for user "dahaynes"

c:\Program Files\PostgreSQL\13\bin>psql -h spatialdb.gisandbox.org -p 5432 -d dahaynes -U dahaynes

psql: error: FATAL: password authentication failed for user "dahaynes"

FATAL: password authentication failed for user "dahaynes"

c:\Program Files\PostgreSQL\13\bin>psql -h spatialdb.gisandbox.org -p 5432 -d dahaynes -U dahaynes -f

psql -h [hostaddress] -d [databasename] -U [username] -p [port] -f [filepath]

cd /library

/Library/PostgreSQL/15/bin/psql -h spatialdb.gisandbox.org -p 5432 -d “x500” -U “x500” -f