SQL for Table Creations

# Create Table - us\_counties\_2020

-- Creating tables for

CREATE TABLE us\_counties\_2020 (

date DATE NOT NULL,

county VARCHAR(40),

state VARCHAR (40) NOT NULL,

fips INT,

cases INT,

deaths INT

);

# Create Table - us\_counties\_2021

-- Creating tables for

CREATE TABLE us\_counties\_2021 (

date DATE NOT NULL,

county VARCHAR(40),

state VARCHAR (40) NOT NULL,

fips INT,

cases INT,

deaths INT

);

# Create Table - Housing\_Data

-- Creating tables for

CREATE TABLE Housing\_Data (

period\_begin DATE NOT NULL,

period\_end DATE NOT NULL,

period\_duration INT,

region\_type VARCHAR (6),

region\_type\_id INT,

table\_id INT,

is\_seasonally\_adjusted BOOLEAN,

region VARCHAR (100),

city VARCHAR (40),

state VARCHAR (40),

state\_code VARCHAR (2),

property\_type VARCHAR (50),

property\_type\_id INT,

median\_sale\_price FLOAT,

median\_sale\_price\_mom FLOAT,

median\_sale\_price\_yoy FLOAT,

median\_list\_price FLOAT,

median\_list\_price\_mom FLOAT,

median\_list\_price\_yoy FLOAT,

median\_ppsf FLOAT,

median\_ppsf\_mom FLOAT,

median\_ppsf\_yoy FLOAT,

median\_list\_ppsf FLOAT,

median\_list\_ppsf\_mom FLOAT,

median\_list\_ppsf\_yoy FLOAT,

homes\_sold FLOAT,

homes\_sold\_mom FLOAT,

homes\_sold\_yoy FLOAT,

pending\_sales FLOAT,

pending\_sales\_mom FLOAT,

pending\_sales\_yoy FLOAT,

new\_listings FLOAT,

new\_listings\_mom FLOAT,

new\_listings\_yoy FLOAT,

inventory FLOAT,

inventory\_mom FLOAT,

inventory\_yoy FLOAT,

months\_of\_supply FLOAT,

months\_of\_supply\_mom FLOAT,

months\_of\_supply\_yoy FLOAT,

median\_dom FLOAT,

median\_dom\_mom FLOAT,

median\_dom\_yoy FLOAT,

avg\_sale\_to\_list FLOAT,

avg\_sale\_to\_list\_mom FLOAT,

avg\_sale\_to\_list\_yoy FLOAT,

sold\_above\_list FLOAT,

sold\_above\_list\_mom FLOAT,

sold\_above\_list\_yoy FLOAT,

price\_drops FLOAT,

price\_drops\_mom FLOAT,

price\_drops\_yoy FLOAT,

off\_market\_in\_two\_weeks FLOAT,

off\_market\_in\_two\_weeks\_mom FLOAT,

off\_market\_in\_two\_weeks\_yoy FLOAT,

parent\_metro\_region VARCHAR (75),

parent\_metro\_region\_metro\_code INT,

last\_updated TIMESTAMP

);

# Create Table - states

CREATE TABLE states

(

State\_name\_all\_caps VARCHAR (26),

State\_name\_title\_case VARCHAR (26),

State\_two\_letter\_abbreviation VARCHAR (2),

State\_AP\_style\_abbreviations VARCHAR (15)

);

# Add Primary Key to ‘states’ Table

--https://stackoverflow.com/questions/66605592/postgresql-alter-table-add-key-equivalent

ALTER TABLE states ADD PRIMARY KEY (State\_two\_letter\_abbreviation);

# Create Table - updated\_2020\_state

Create table updated\_2020\_state as (

select \*

from us\_counties\_2020

where date >= '2020-01-01'

and state in ('California', 'Florida', 'Washington', 'Texas', 'Minnesota')

)

# Insert Updated 2021 Data into ‘updated\_2020\_state’ Table

--https://dba.stackexchange.com/questions/2973/how-to-insert-values-into-a-table-from-a-select-query-in-postgresql

Insert into updated\_2020\_state (

date, county, state, fips, cases, deaths)

select \*

from us\_counties\_2021

where date >= '2021-01-01'

and state in ('California', 'Florida', 'Washington', 'Texas', 'Minnesota')

# Update Table Name from ‘updated\_2020\_state’ to ‘covid\_counts\_2020\_2021\_by\_state’

--https://www.techonthenet.com/postgresql/tables/alter\_table.php

alter table updated\_2020\_state rename to covid\_counts\_2020\_2021\_by\_state