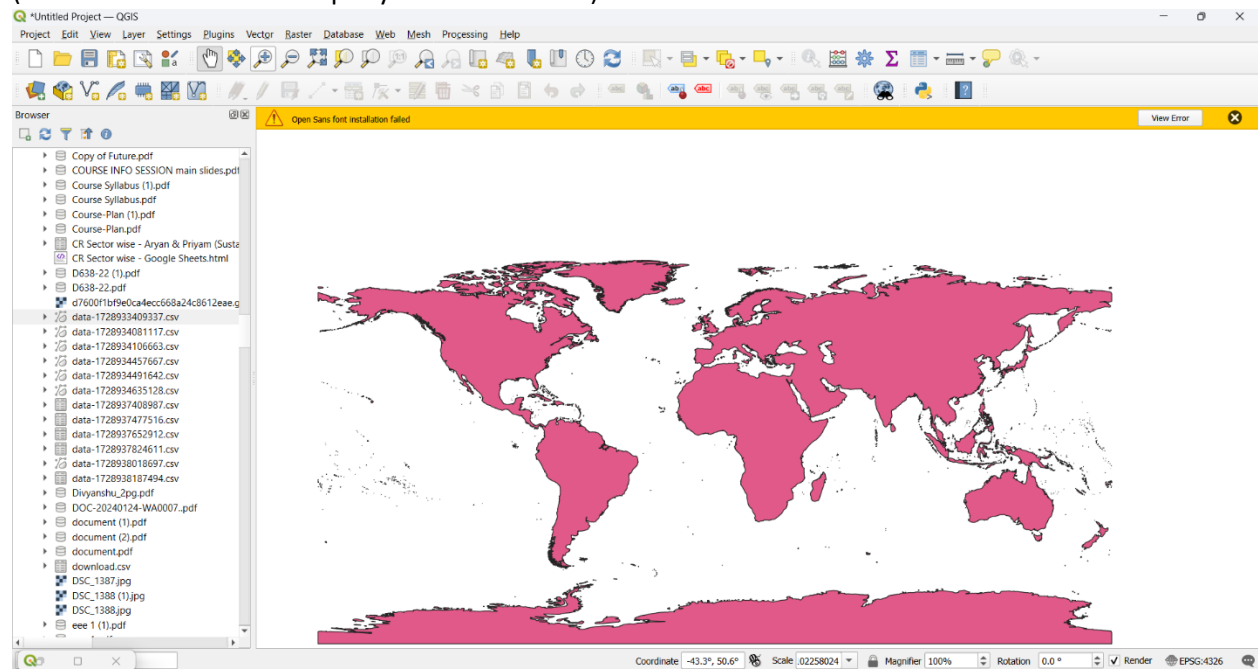


(Also did covid-19 related query for bonus marks)



pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- Extensions
- Foreign Data Wrappers
- Languages
- Publications
- Schemas (1)
 - public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (5)
 - hawaii_counties
 - mau_roads
 - ne_10m_land
 - pubschools
 - spatial_ref_sys
 - Trigger Functions
 - Types
 - Views
- Subscriptions
- db_fields1
- Casts

Query

```
1 SELECT *
2 FROM public.ne_10m_land
3 ORDER BY gid ASC;
4
```

Data Output

gid	featurecla	scalerank	min_zoom	geom
1	Land	0	0	geometry
2				
3				
4				

Total rows: 11 of 11 Query complete 00:00:00.435 Ln 4, Col 1

pgAdmin 4

File Object Tools Edit View Window Help

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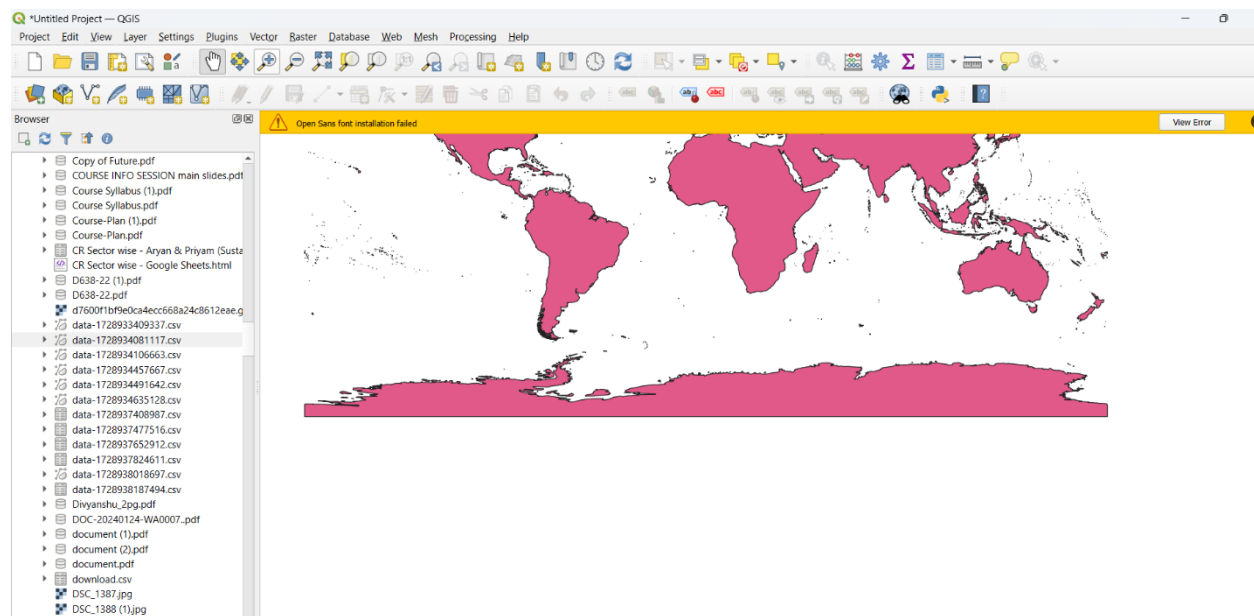
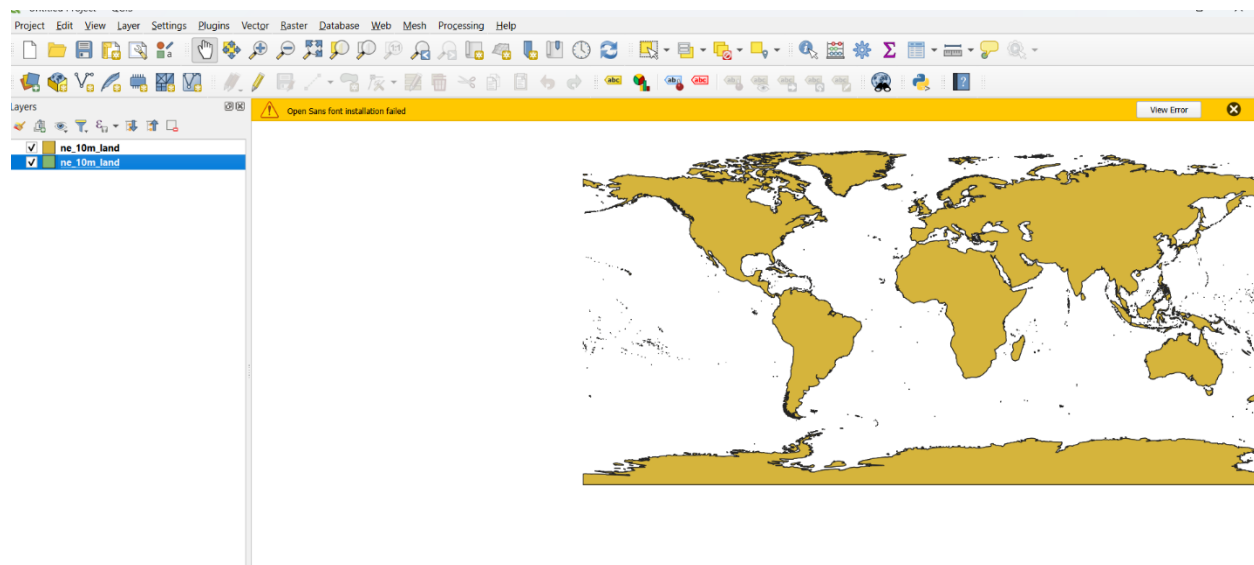
Query

```
1 SELECT column_name, data_type
2 FROM information_schema.columns
3 WHERE table_name = 'ne_10m_land';
4
```

Data Output

column_name	data_type
gid	integer
featurecla	character varying
scalerank	smallint
min_zoom	double precision
geom	USER-DEFINED

Total rows: 5 of 5 Query complete 00:00:00.137 Ln 4, Col 1



Explorer

- Extensions
- Foreign Data Wrappers
- Languages
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 - public
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shboard X Properties X SQL X Statistics X Dependencies X Dependents X Processes X db_fields/postgres... X db_fields/postgres@PostgreSQL 17 Local*

db_fields/postgres@PostgreSQL 17 Local

Query Query History

```
1 SELECT *
2 FROM public.ne_10m_land
3 WHERE ST_Touches(
4 geom,
5 ST_GeomFromText('POLYGON((-80.0 25.0, -80.0 30.0, -75.0 30.0, -75.0 25.0, -80.0 25.0))', 4326)
6 );
7
```

Execute script

Scratch Pad

Data Output Messages Graph Visualiser X Notifications

gid	featurecla	scalerank	min_zoom	geom
[PK] integer	character varying (11)	smallint	double precision	geom geometry

Successfully run. Total query runtime: 162 msec. 0 rows affected.

Total rows: 0 of 0 Query complete 00:00:00.162 Ln 7 Col 1

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- Extensions
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 - FTS Configurations
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 - FTS Parsers
 - FTS Templates
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shboard X Properties X SQL X Statistics X Dependencies X Dependents X Processes X db_fields/postgres... X db_fields/postgres@PostgreSQL 17 Local*

db_fields/postgres@PostgreSQL 17 Local

Query Query History

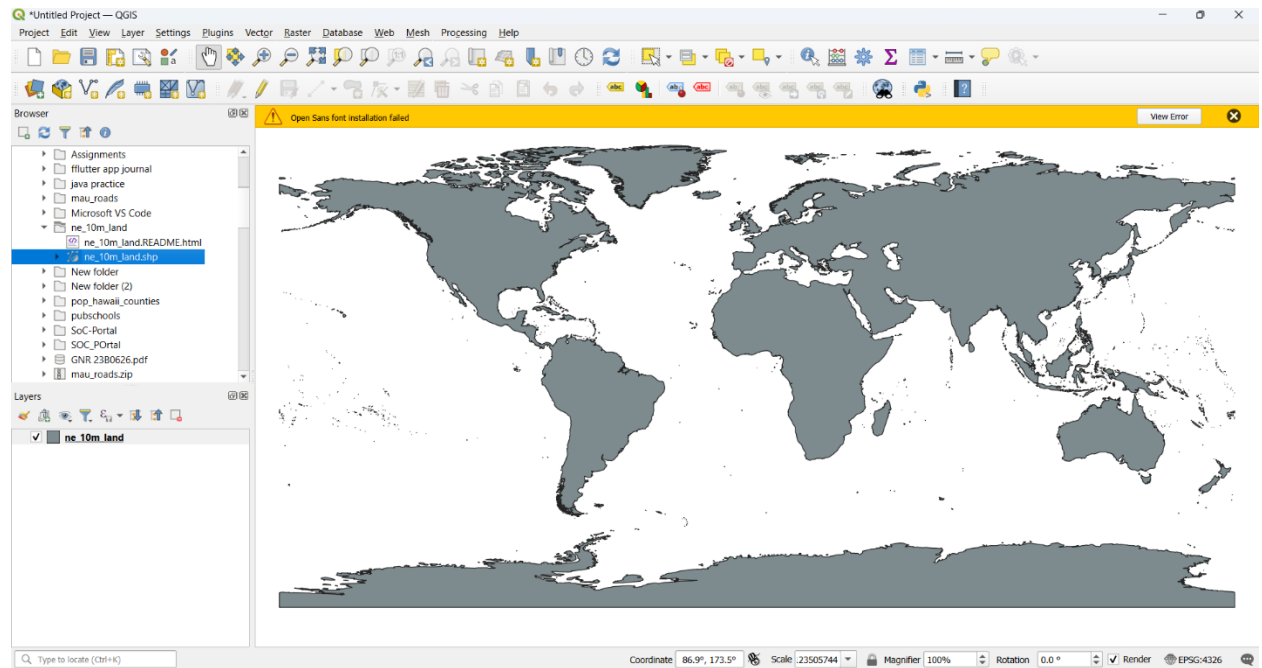
```
1 SELECT column_name, data_type
2 FROM information_schema.columns
3 WHERE table_name = 'ne_10m_land';
4
```

Scratch Pad

Data Output Messages Graph Visualiser X Notifications

column_name	data_type
name	character varying
1 gid	integer
2 featurecla	character varying
3 scalerank	smallint
4 min_zoom	double precision
5 geom	USER-DEFINED

Total rows: 5 of 5 Query complete 00:00:00.137 Ln 4 Col 1



DB Manager

Database Schema Table

Import Layer/File... Export to File...

Providers

- GeoPack...
- Oracle S...
- PostGIS
- QGIS
- Spatialite
- Virtual La...

Info Table Preview Query (QGIS)

Saved query

```
1 SELECT *
2 FROM public.ne_10m_land
3 WHERE ST_DWithin(
4   geom,
5   ST_GeomFromText('POINT(-123.365644 48.428421)', 4326),
6   10000
7 ) ;
8
```

Execute 11 rows, 0.329 seconds Create a view Clear

	gid	featurecla	scalarank	min_zoom	geom
1	1	Land	0	0.0	0106000020E61...
2	2	Land	6	5.0	0106000020E61...
3	3	Land	5	3.0	0106000020E61...
4	4	Land	6	6.0	0106000020E61...
5	5	Land	5	4.0	0106000020E61...
6	6	Land	3	2.0	0106000020E61...

Load as new layer

☐ Column(s) with unique values gid ☒ Geometry column geom

Layer name (prefix)

☐ Avoid selecting by feature id

Retrieve columns Set filter Load Cancel


Open Same font installation failed View Error

Layers

- QueryLayer
- Intersection
- QueryLayer.7
- QueryLayer.6
- QueryLayer.5
- QueryLayer.4
- QueryLayer.3
- QueryLayer.2
- data-1728937408987
- data-1728938018697
- data-1728938187494
- ne_10m_land

Browser

- Favorites
- Spatial Bookmarks
- Home
- C:\ (Windows-SSD)
- GeoPackage
- Spatialite
- PostgreSQL
 - public
 - hawaii_counties
 - maui_roads
 - Fields
 - ne_10m_land
 - pubschools
- SAP HANA



Database Schema Table

Providers

- GeoPack...
- Oracle S...
- PostGIS
- QGIS
- p...
- Spatialite
- Virtual La...

Info Table Preview Query (QGIS) X

Save query Name Save Delete Load File Save As File

```

1 SELECT *
2 FROM public.ne_10m_land
3 WHERE ST_Crosses(
4 geom,
5 ST_GeomFromText('LINESTRING(42.2 -113.6, 43.5 -73.6)', 4326)
6 );

```

Execute 1 rows, 0.191 seconds Create a view Clear Query History

gid	featurecla	scalerank	min_zoom	geom
1	Land	0	0.0	0106000020E61...

☒ Load as new layer

☐ Column(s) with unique values gid ☒ Geometry column geom Retrieve columns

Layer name (prefix) Layer_touch Set filter

☐ Avoid selecting by feature id Load

Cancel

Untitled Project - QGIS

Project Edit View Layer Settings Plugins Vector Raster Database Web Mesh Processing Help

Layers

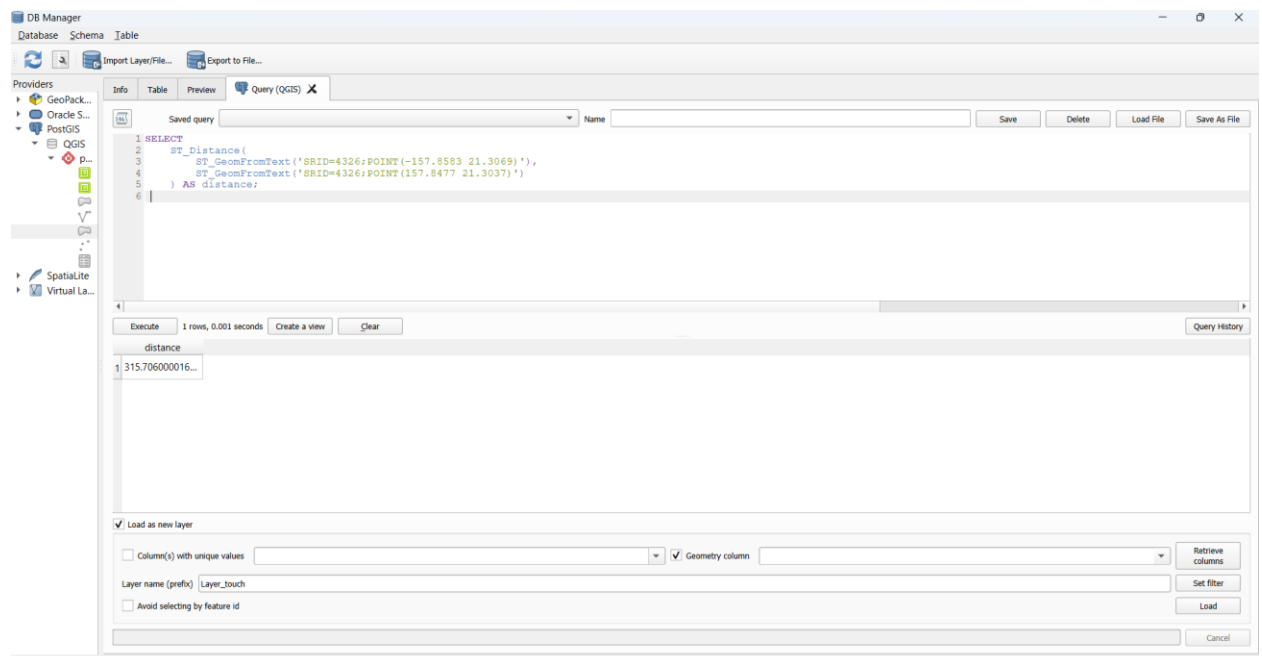
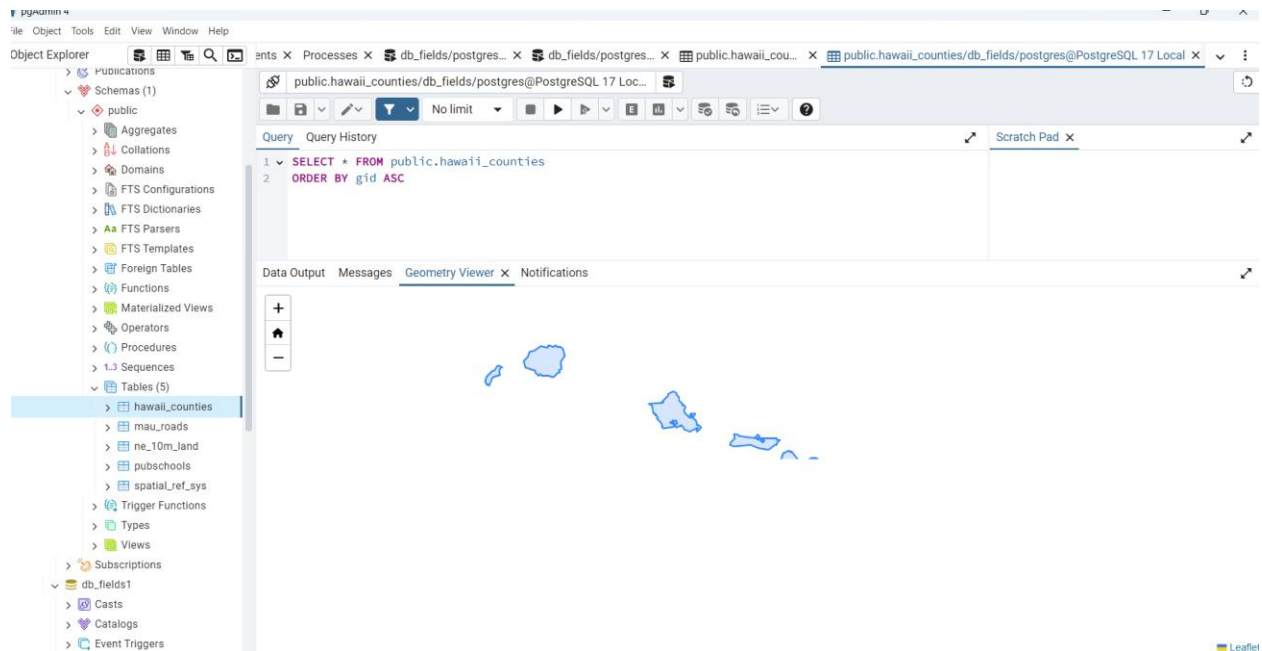
- QueryLayer
- Intersection
- Layer_touch_4
- Layer_touch_3
- Layer_touch_2
- Layer_touch
- QueryLayer_9
- QueryLayer_8
- QueryLayer_7
- QueryLayer_6
- QueryLayer_5
- QueryLayer_4
- QueryLayer_3
- QueryLayer_2
- data-1728937408987

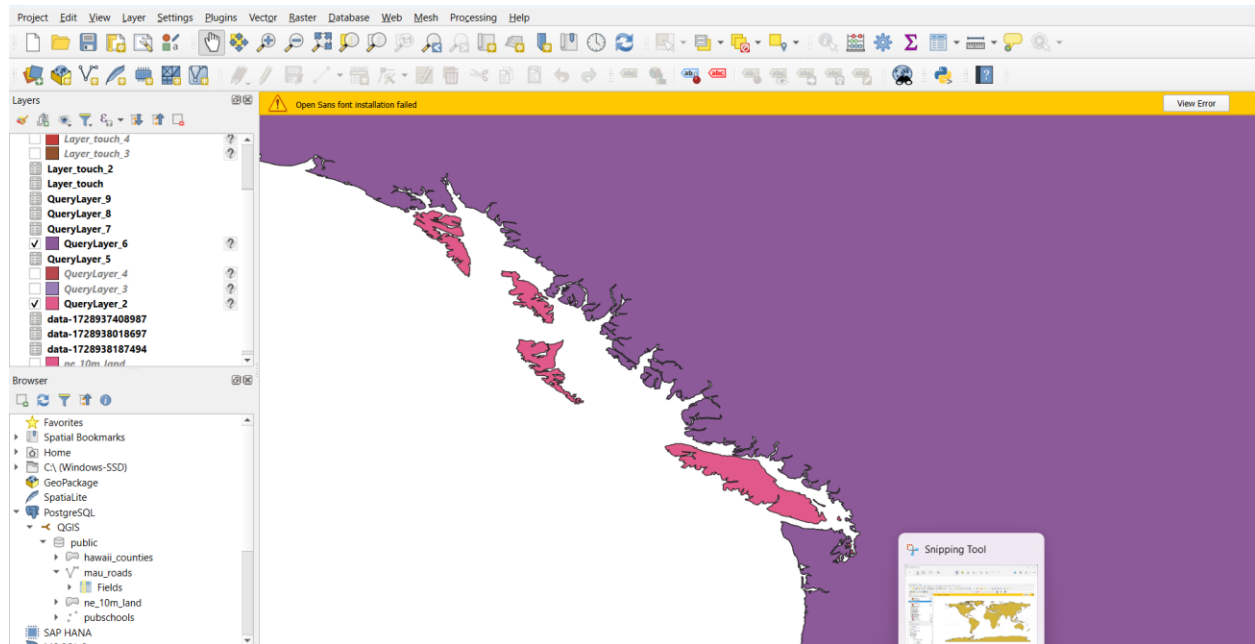
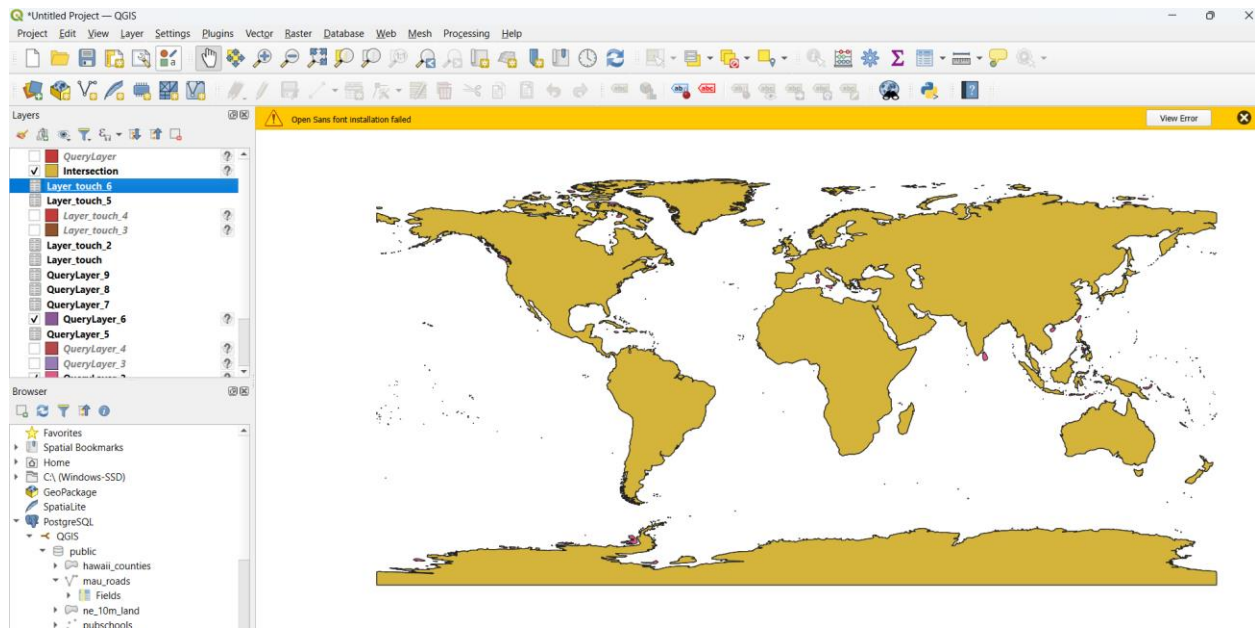
Browser

- Favorites
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 - maui_roads
 - fields
 - ne_10m_land
 - pubschools
- SAP HANA

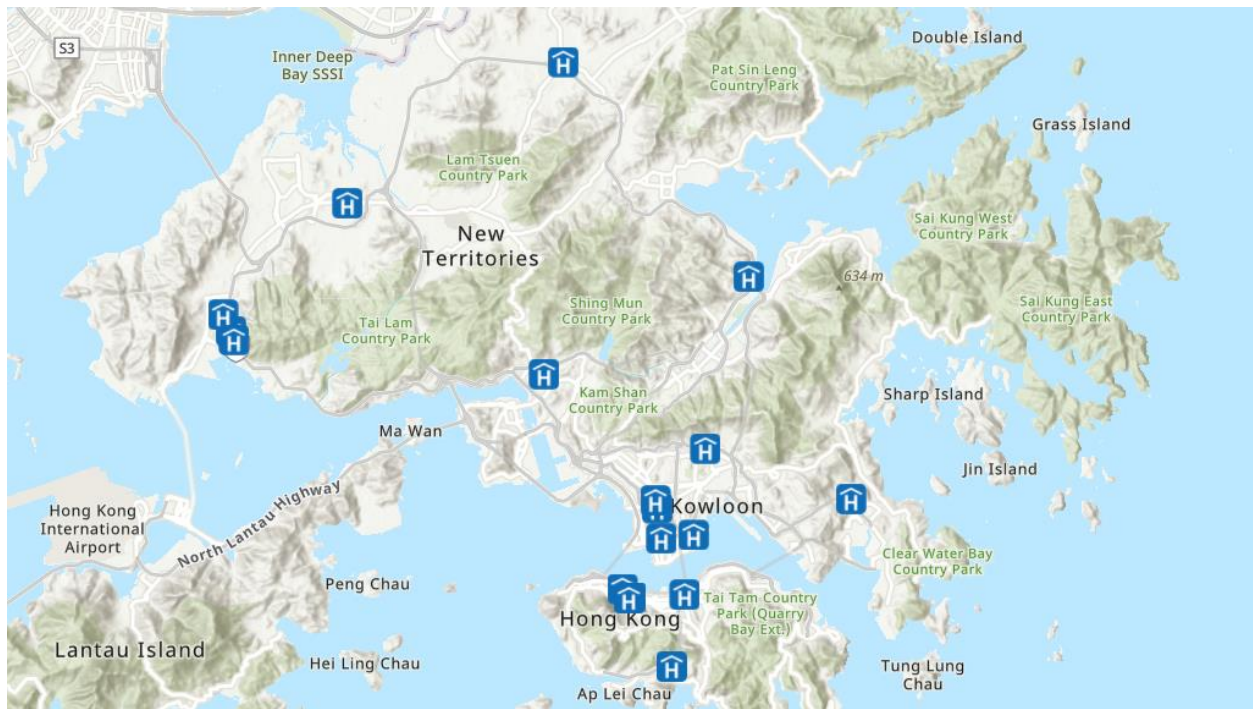
Open Save font installation failed View Error

Coordinate: 79.68°, -89.31° Scale: 1:4001833 Magfilter: 100% Rotation: 0.0° Render EPSG:4326





COVID -19 related layer visualization



← → ↻ ↺ arcgis.com/apps/mapviewer/index.html?webmap=0218e4b629954d7692748a6530274e4b



Private Clinic COVID-19 Vaccination Stations (PCVSs) in Hong Kong

Open in Map Viewer Classic

