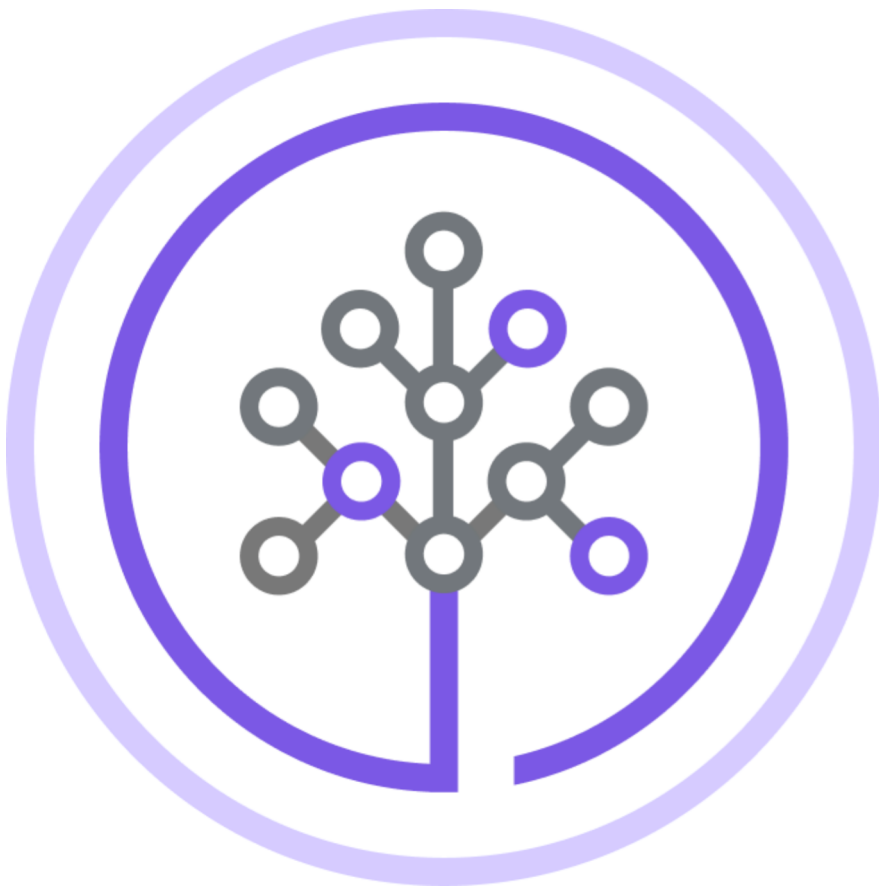


# Hands-on Lab: Upload and Export using Datasette



# ski| Net

**Estimated time needed:** 15 minutes

In this lab, you will learn how to upload and export data in a table using Datasette.

## Objectives

After completing this lab, you will be able to use the Datasette:

- Upload CSV file onto a table in Datasette.
- Export data from Datasette.

## Required Software

In this lab, you will use Datasette, an open-source multi-tool for exploring and publishing data.

## Database

The first dataset used in this lab comes from the following source:

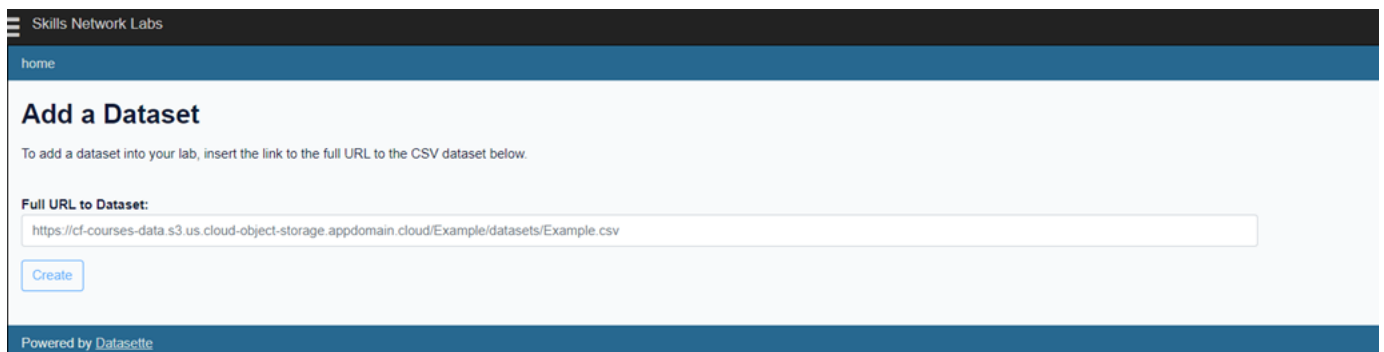
<https://datapatform.cloud.ibm.com/exchange/public/entry/view/5562ced564e776edc5f91e13d48d8309?context=cpdaas>. This dataset is published by **IBM** and contains point data for a sample list of hospitals in the US.

Note that this is sample data for SQL demo purposes and is not necessarily current or accurate.

## Exercise 1: Upload Data into a Datasette by creating a table.

In this exercise, you will go through an example of uploading a CSV file and creating a table using the Datasette tool.

1. Once the Datasette tool is launched using the open tool, click on the **Navigation Tool** and then select **Add DataSets** option at the right-end corner.



Skills Network Labs

home

## Add a Dataset

To add a dataset into your lab, insert the link to the full URL to the CSV dataset below.

**Full URL to Dataset:**

Create

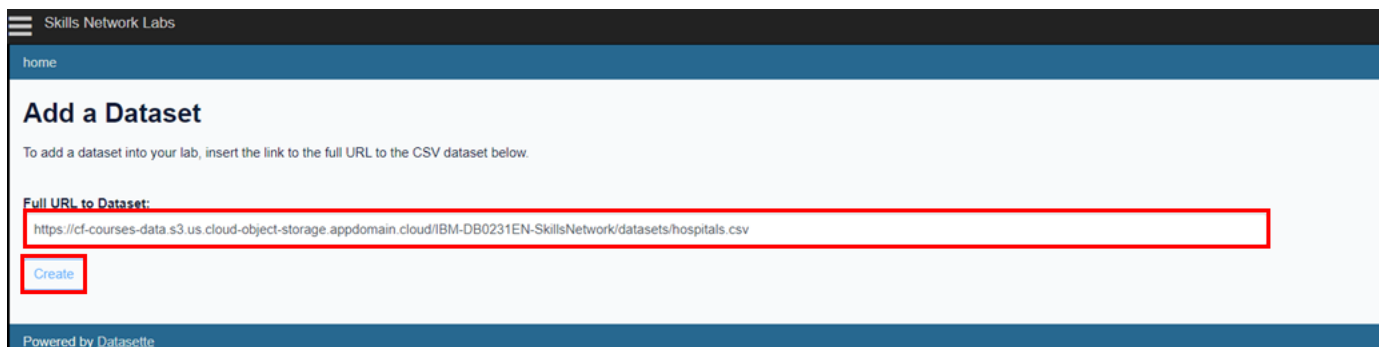
Powered by Datasette

- You will then be redirected to a page where you need to enter the full URL of the CSV dataset in the text box.

Right-click on the link

([Hospitals.csv](#)) and copy the link address.

Enter the copied URL in the text box and click on **Create**.



Skills Network Labs

home

## Add a Dataset

To add a dataset into your lab, insert the link to the full URL to the CSV dataset below.

**Full URL to Dataset:**

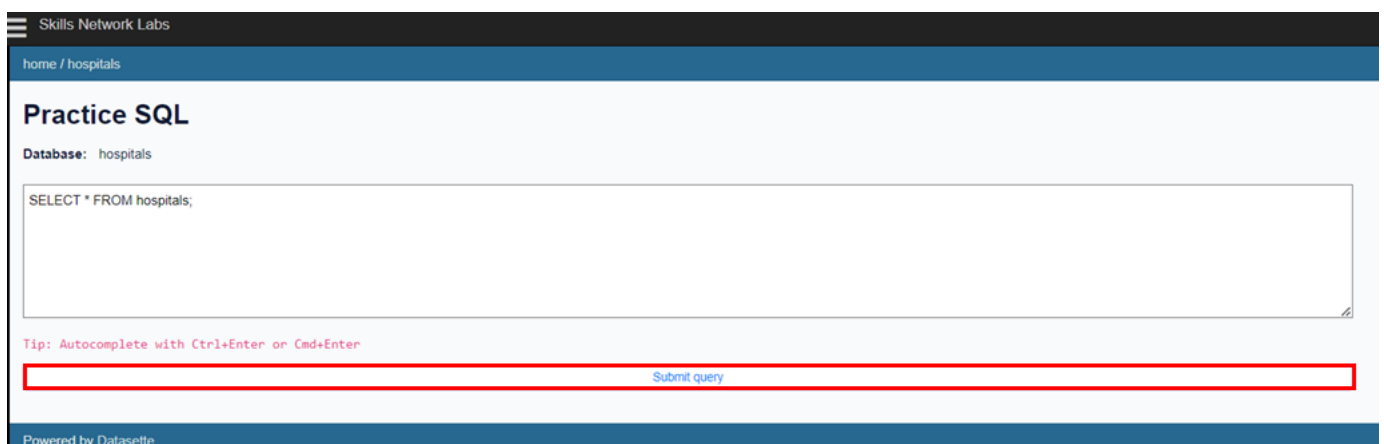
Create

Powered by Datasette

- Then this will create the HOSPITALS table with the data loaded from the CSV file.

A **select** query related to the table will default appear in the text area section.

Click on the **Submit Query** button to view the results.



Skills Network Labs

home / hospitals

## Practice SQL

**Database:** hospitals

Tip: Autocomplete with Ctrl+Enter or Cmd+Enter

Submit query

Powered by Datasette

- You have successfully created and loaded the **HOSPITALS** table.

Skills Network Labs

home / hospitals

Practice SQL

Database: hospitals

SELECT \* FROM hospitals;

Tip: Autocomplete with Ctrl+Enter or Cmd+Enter

Submit query

Results

All commands ran successfully

SELECT \* FROM hospitals

id	name	city	state	lon	lat
1	Southern Hills Medical Center	BERRY HILL	TN	-86.721939	36.077843
2	Sycamore Shoals Hospital	ELIZABETHTON	TN	-82.247635	36.346218

6. Modify your select query as below to get the total number of records in the table.

1. 1

1. SELECT count(\*) FROM hospitals;

Copied!

Skills Network Labs

home / hospitals

Practice SQL

Database: hospitals

SELECT count(\*) FROM hospitals;

Tip: Autocomplete with Ctrl+Enter or Cmd+Enter

Submit query

Results

All commands ran successfully

SELECT count(\*) FROM hospitals

count(\*)

6501

Powered by Datasette

## Exercise 2: Export a Table from Datasette.

In Exercise 1, you have learned how to upload data from a file into a Datasette database. Now, in this exercise, you will export a table from the database into a CSV file.

1. First, click the **home** link at the top of the page in the tool.

Skills Network Labs

home / hospitals

Practice SQL

Database: hospitals

SELECT \* FROM hospitals;

Tip: Autocomplete with Ctrl+Enter or Cmd+Enter

Submit query

2. Click on the **hospitals** table link as highlighted below:

Skills Network Labs

Datasette

memory

0 tables

internal

77 rows in 5 tables

[columns](#), [foreign\\_keys](#), [tables](#), [indexes](#), [databases](#)

SanFranciscoFilmLocations

1 table

[FilmLocations](#)

hospitals

6,501 rows in 1 table

[hospitals](#)

Powered by Datasette

3. Right-click on the CSV and copy the **link address**.

Skills Network Labs

home / hospitals

hospitals

6,501 rows

- column -

=

Apply

View and edit SQL

This data as [json](#) **CSV** [advanced](#)

Show charting options

Open link in new tab

Open link in new window

Open link in incognito window

Save link as...

Copy link address

Get image descriptions from Google

Inspect

Link

rowid

id

city

state

lon

lat

1

1

1

BERRY HILL

TN

-86.721939

36.077843

2

2

2

ELIZABETHTON

TN

-82.247635

36.346218

3

3

3

GREENEVILLE

TN

-82.845711

36.151772

4

4

4

ment Center DOWNTOWN MEMPHIS

TN

-90.037033

35.142872

5

5

5

MARTIN

TN

-88.868393

36.335064

6

6

6

BELLE MEADE

TN

-86.809723

36.153667

7

7

7

William L Bork Memorial Hospital COLLEGE DALE

TN

-85.134125

35.056461

8

8

8

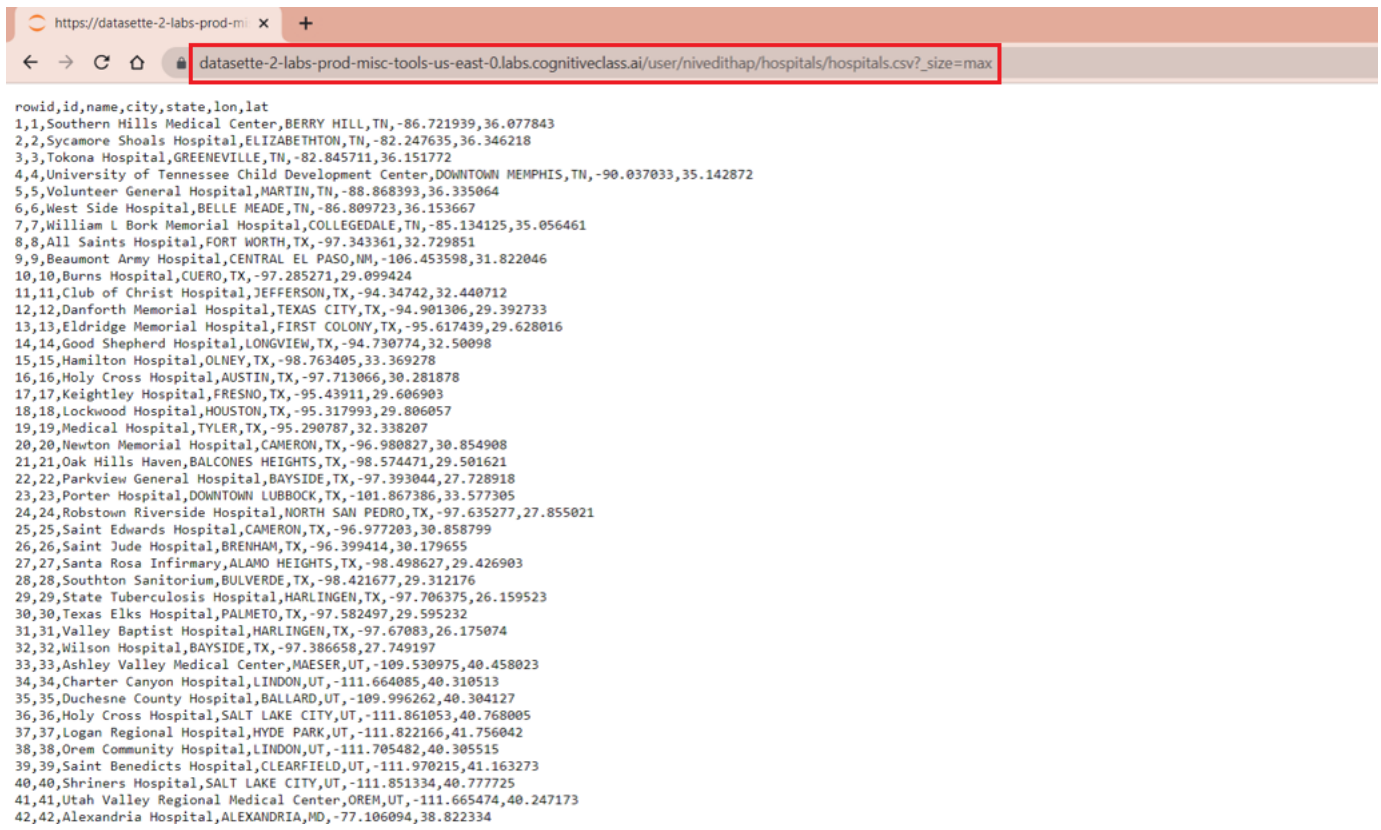
All Saints Hospital FORT WORTH

TX

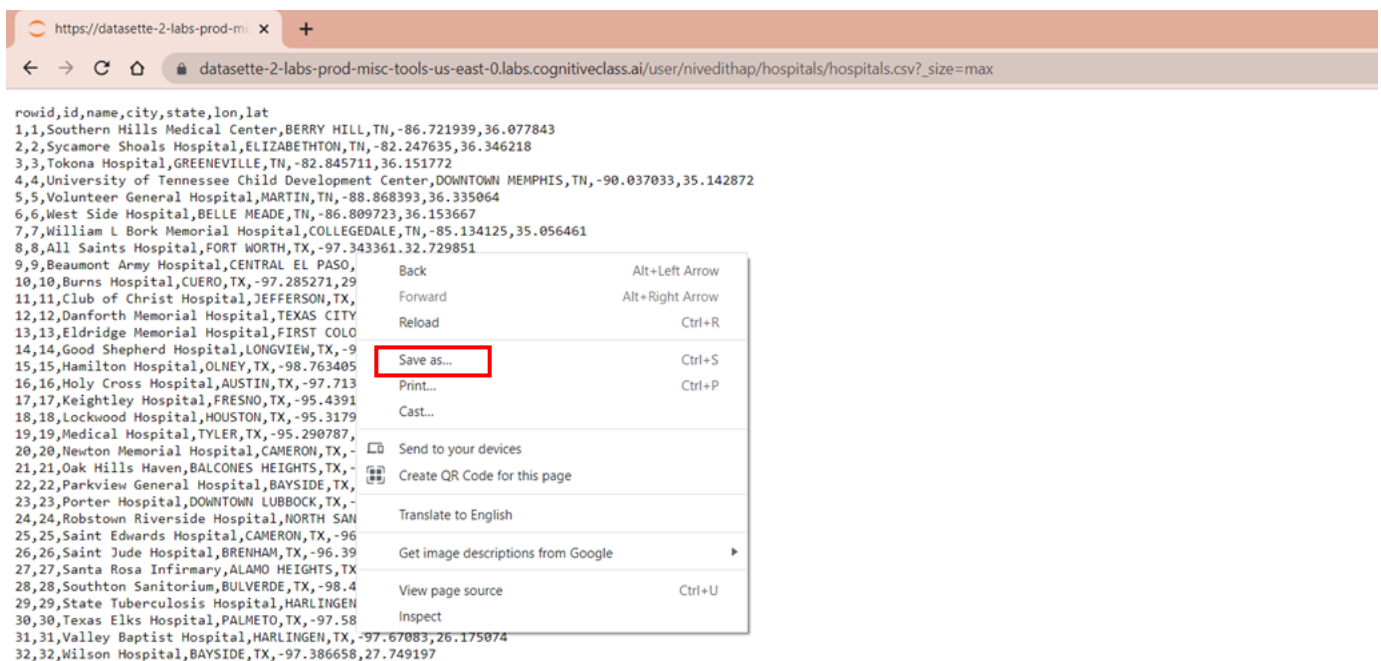
-97.343361

32.729851

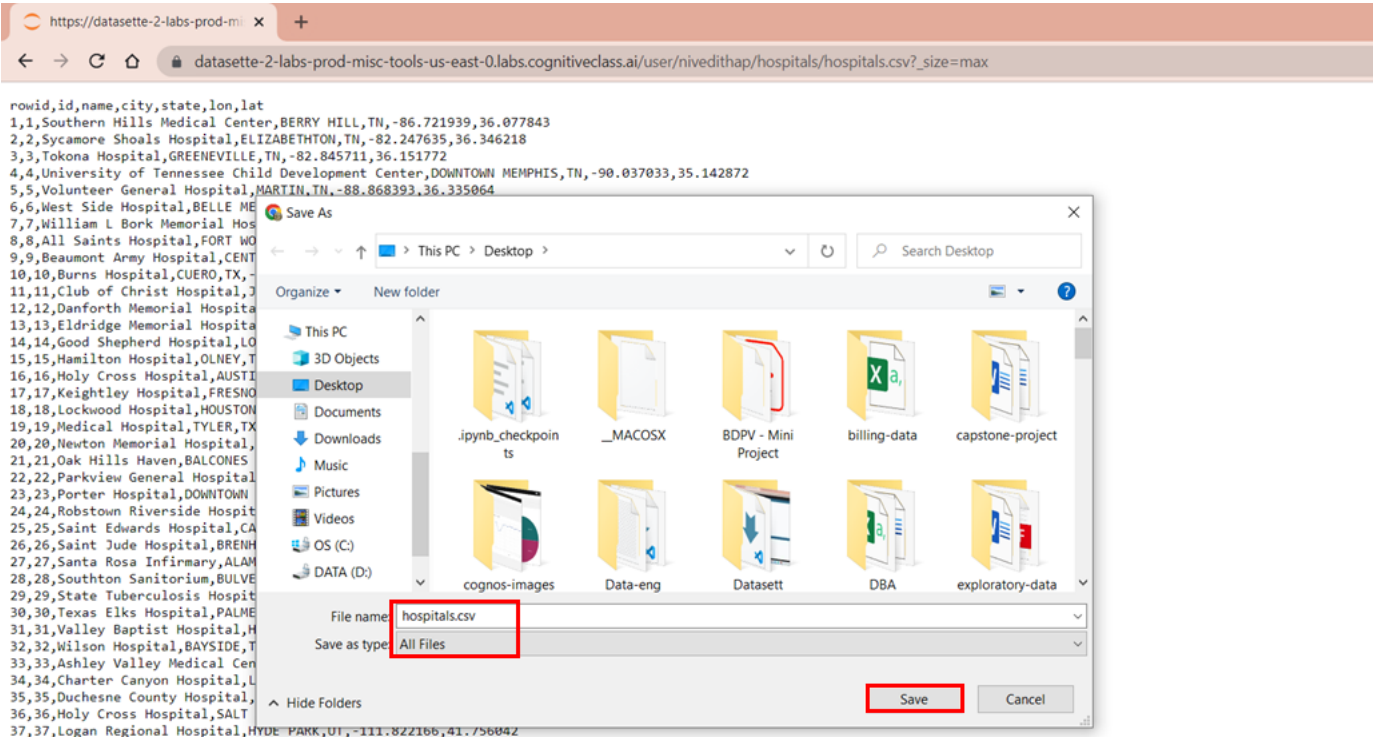
4. Paste the URL in a new **tab** and press **ENTER**. Now this will display all the data present in the table.



5. To save the file, right-click and select **SAVE-AS**.



6. Enter **File-name.csv**, select **All files** from the drop-down, and click on **SAVE**.



7. Finally, your downloaded CSV file will appear as shown below:

File Home Insert Page Layout Formulas Data Review View Help																
Calibri 11 A- A+ B I U Font Alignment Number Styles Cells																
A1 rowid																
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	rowid	id	name	city	state	lon	lat									
2	1	1	Southern Hills Medical Center	BERRY HILL	TN	-86.7219	36.07784									
3	2	2	Sycamore Shoals Hospital	ELIZABETH	TN	-82.2476	36.34622									
4	3	3	Tokona Hospital	GREENEVILLE	TN	-82.8457	36.15177									
5	4	4	University of Tennessee Child Development Center	DOWNTOWN	MEMPHIS	TN	-90.0370	35.14287								
6	5	5	Volunteer General Hospital	MARTIN	TN	-88.8683	36.33506									
7	6	6	West Side Hospital	BELLE ME	ME	-86.8097	36.15367									
8	7	7	William L Bork Memorial Hospital	COLLEGE	TN	-85.1341	35.05646									
9	8	8	All Saints Hospital	FORT WOLF	TX	-97.3434	32.72985									
10	9	9	Beaumont Central Hospital	CENTRAL	TX	-106.454	31.82205									
11	10	10	Burns Hospital	CUERO	TX	-97.2853	29.09942									
12	11	11	Club of Christ Hospital	JEFFERSON	TX	-94.3474	32.44071									
13	12	12	Danforth Hospital	TEXAS CITY	TX	-94.9013	29.39273									
14	13	13	Eldridge Memorial Hospital	FIRST COL	TX	-95.6174	29.62802									
15	14	14	Good Shepherd Hospital	LONGVIEW	TX	-94.7308	32.50098									
16	15	15	Hamilton Hospital	OLNEY	TX	-98.7634	33.36928									
17	16	16	Holy Cross Hospital	AUSTIN	TX	-97.7131	30.28188									
18	17	17	Keightley Hospital	FRESNO	TX	-95.4391	29.6069									
19	18	18	Lockwood Hospital	HOUSTON	TX	-95.318	29.80606									
20	19	19	Medical Center	TYLER	TX	-95.2908	32.33821									
21	20	20	Newton Memorial Hospital	CAMERON	TX	-96.9808	30.85491									
22	21	21	Oak Hills Hospital	BALCONES	TX	-98.5745	29.50162									
23	22	22	Parkview General Hospital	BAYSIDE	TX	-97.393	27.72892									
24	23	23	Porter Hospital	DOWNTOWN	TX	-101.867	33.57731									
25	24	24	Robstown Hospital	NORTH SA	TX	-97.6353	27.85502									
26	25	25	Saint Edwards Hospital	CAMERON	TX	-96.9772	30.8588									
27	26	26	Saint Jude Hospital	BRENHAM	TX	-96.3994	30.17966									
28	27	27	Santa Rosa Infirmary	ALAMO	TX	-98.4986	29.4269									

Author(s)

- Niveditha Pandith

Changelog

Date	Version	Changed by	Change Description
2021-07-08	1.0	Sandip Saha Joy	Created initial version
2021-10-04	2.0	David Pasternak	Rewrote with updated instructions
2022-05-28	2.1	Niveditha	Converted initial version to Datasette

Date	Version	Changed by	Change Description
2023-05-08	2.2	Eric Hao	Updated Page Frames