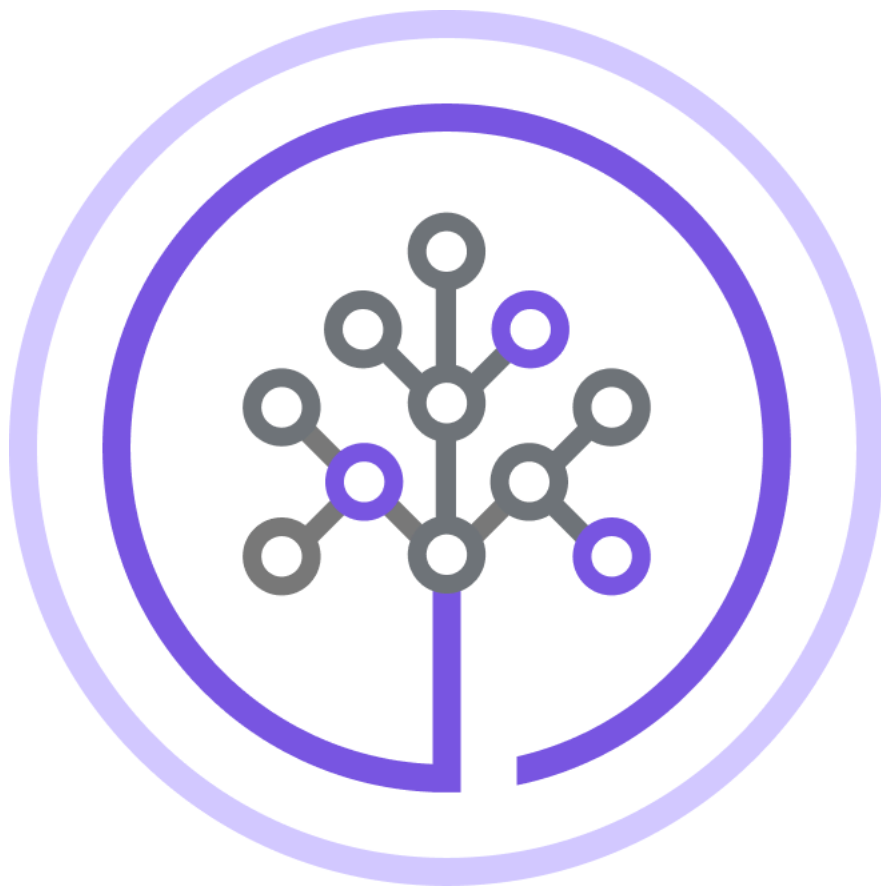


Hands-on Lab: Upload and Export using Datasette



skil 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://dataplatform.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.

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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

2. 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**.

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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

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3. 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.

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Practice SQL

Database: hospitals

Tip: Autocomplete with Ctrl+Enter or Cmd+Enter

Submit query

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

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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 State Park	ELIZABETHTON	TN	-82.247635	36.346218

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

```
SELECT count(*) FROM hospitals;
```

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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(*)

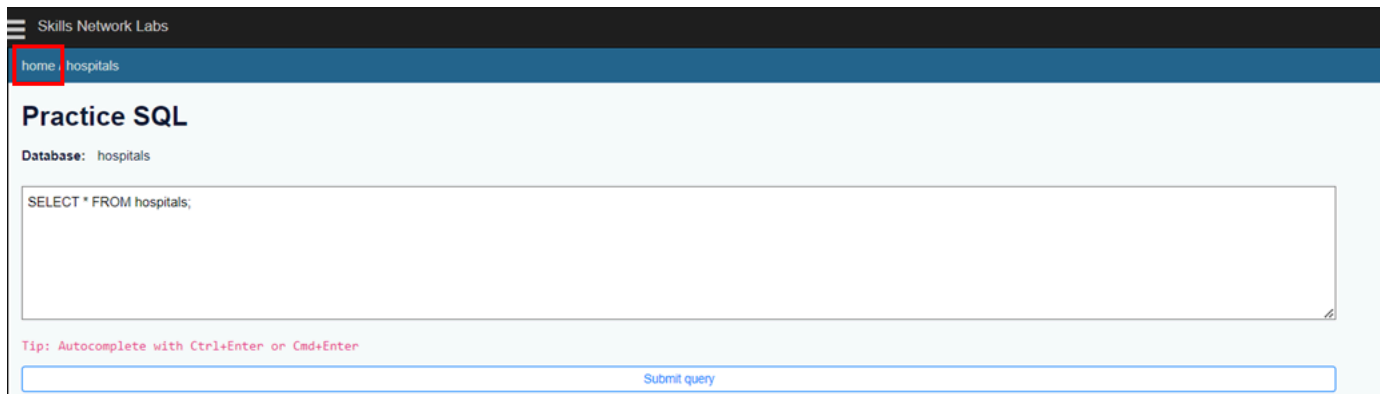
6501

Powered by Datasette

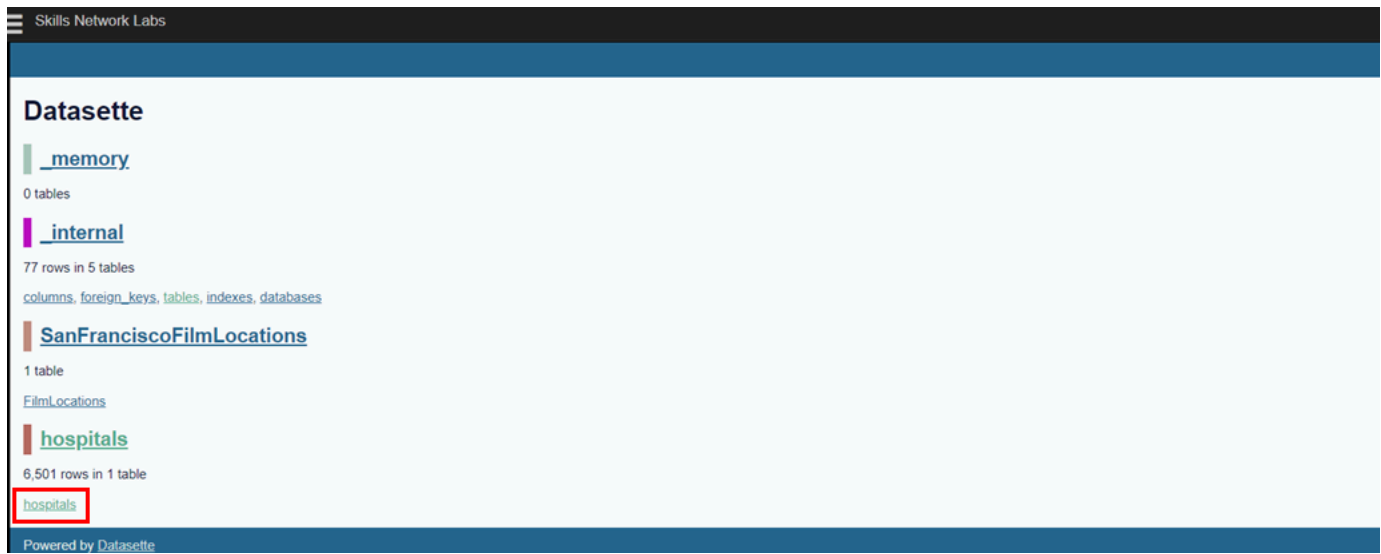
Exercise 2: Export a Table from Datasette.

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.

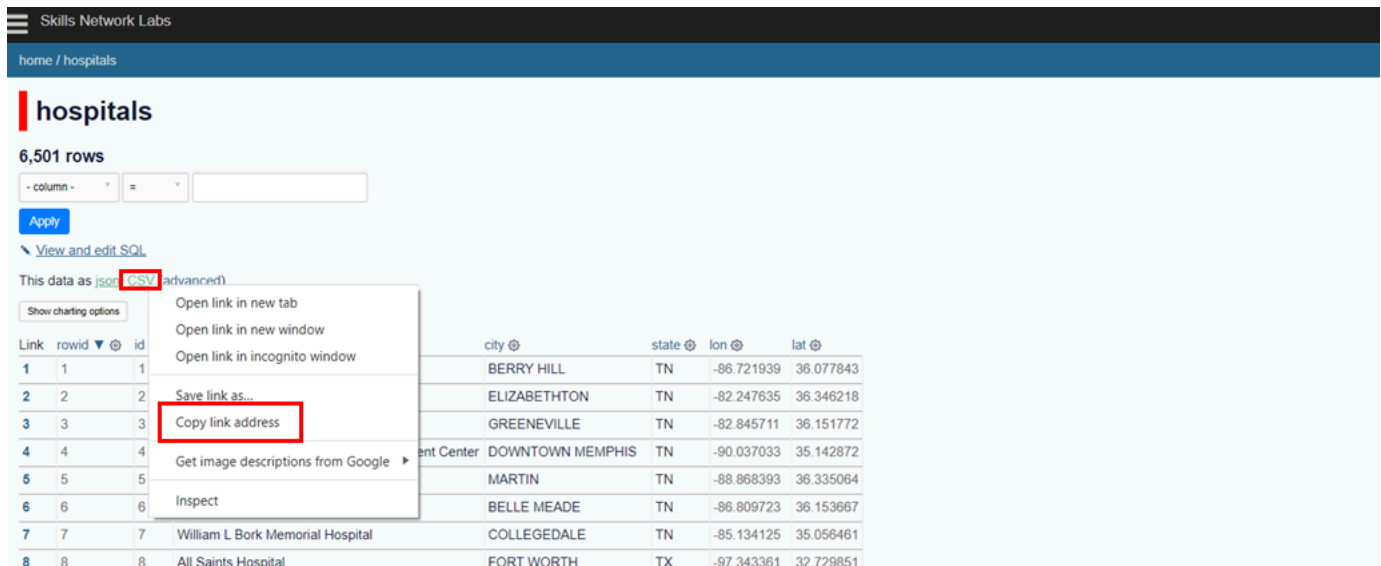
1. First, click the **home** link at the top of the page in the tool.



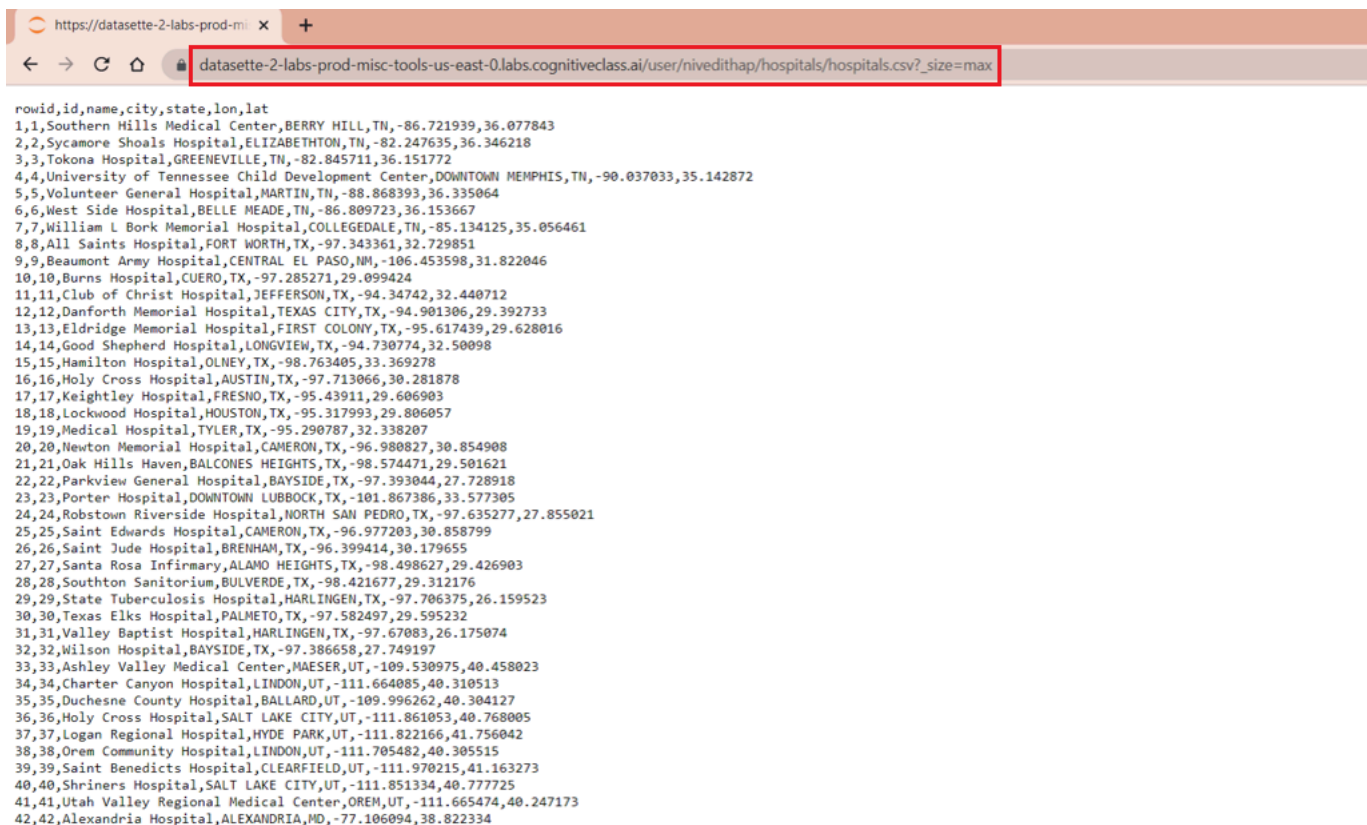
2. Click on the **hospitals** table link as highlighted below:



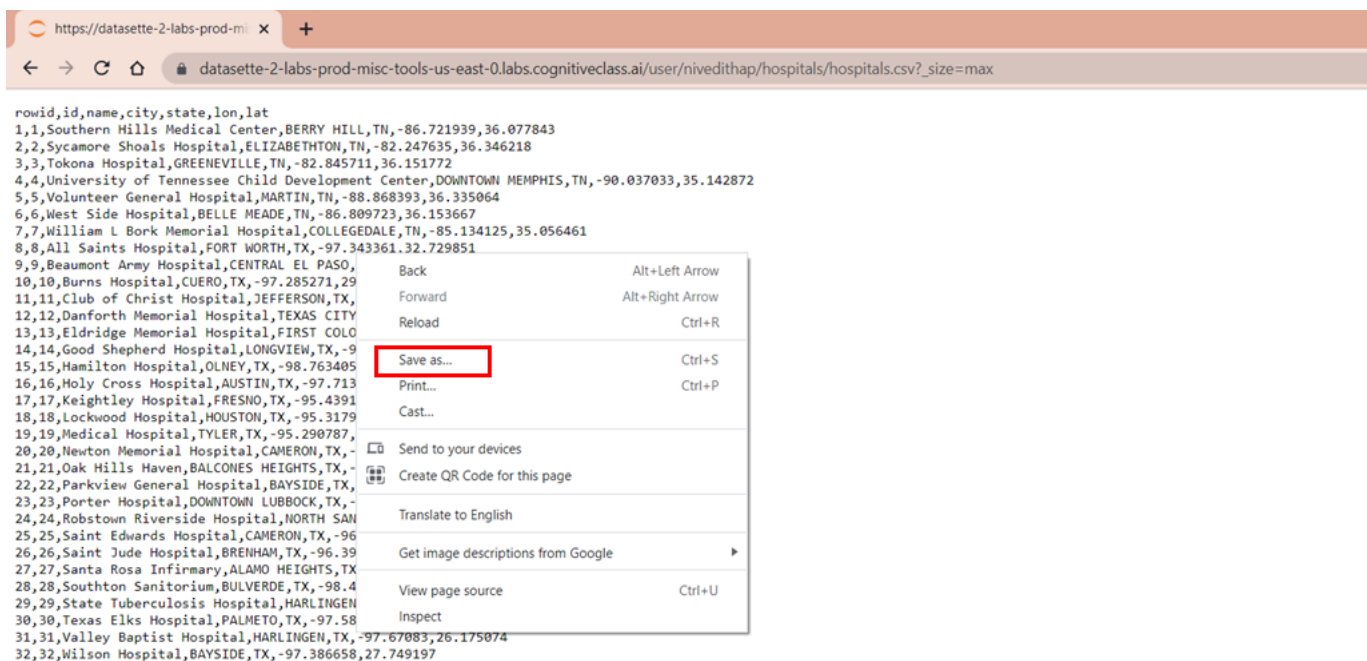
3. Right-click on the CSV and copy the **link address**.



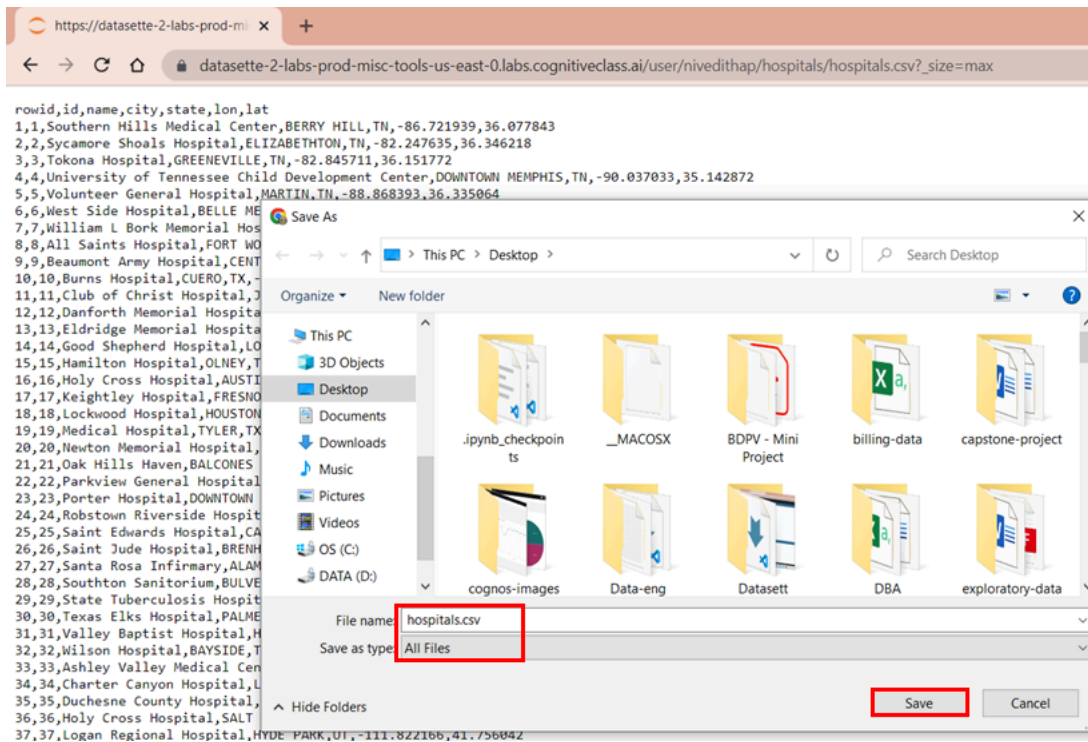
4. Paste the URL in a new **tab** and press **ENTER**. Now this will display all the data present in the table.



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
Undo	Paste	Clipboard	Font	Alignment	Number	Styles	Cells	
A1								
rowid	id	name	city	state	lon	lat		
1	1	Southern Hills Medical Center	BERRY HILL	TN	-86.7219	36.07784		
2	2	Sycamore Shoals Hospital	ELIZABETH	TN	-82.2476	36.34622		
3	3	Tokona Hospital	GREENEVILLE	TN	-82.8457	36.15177		
4	4	University of Tennessee Child Development Center	DOWNTOWN MEMPHIS	TN	-90.0370	35.14287		
5	5	Volunteer General Hospital	MARTIN	TN	-88.8684	36.33506		
6	6	West Side Hospital	BELLE ME	TN	-86.8097	36.15367		
7	7	William L Bork Memorial Hospital	COLLEGE	TN	-85.1341	35.05646		
8	8	All Saints Hospital	FORT WOLF	TX	-97.3434	32.72985		
9	9	Beaumont Army Hospital	CENTRAL	TX	-106.454	31.82205		
10	10	Burns Hospital	CUERO	TX	-97.2853	29.09942		
11	11	Club of Christ Hospital	JEFFERSON	TX	-94.3474	32.44071		
12	12	Danforth Memorial Hospital	TEXAS CITY	TX	-94.9013	29.39273		
13	13	Eldridge Memorial Hospital	FIRST COL	TX	-95.6174	29.62802		
14	14	Good Shepherd Hospital	LONGVIEW	TX	-94.7308	32.50098		
15	15	Hamilton Hospital	OLNEY	TX	-98.7634	33.36928		
16	16	Holy Cross Hospital	AUSTIN	TX	-97.7131	30.28188		
17	17	Keightley Hospital	FRESNO	TX	-95.4391	29.6069		
18	18	Lockwood Hospital	HOUSTON	TX	-95.318	29.80606		
19	19	Medical Hospital	TYLER	TX	-95.2908	32.33821		
20	20	Newton Memorial Hospital	CAMERON	TX	-96.9808	30.85491		
21	21	Oak Hills Haven	BALCONES	TX	-98.5745	29.50162		
22	22	Parkview General Hospital	BAYSIDE	TX	-97.393	27.72892		
23	23	Porter Hospital	DOWNTOWN	TX	-101.867	33.57731		
24	24	Robstown Riverside Hospital	NORTH SA	TX	-97.6353	27.85502		
25	25	Saint Edwards Hospital	CAMERON	TX	-96.9772	30.8588		
26	26	Saint Jude Hospital	BRENNHAM	TX	-96.3994	30.17966		
27	27	Santa Rosa Infirmary	ALAMO	TX	-98.4986	29.4269		

Author(s)

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