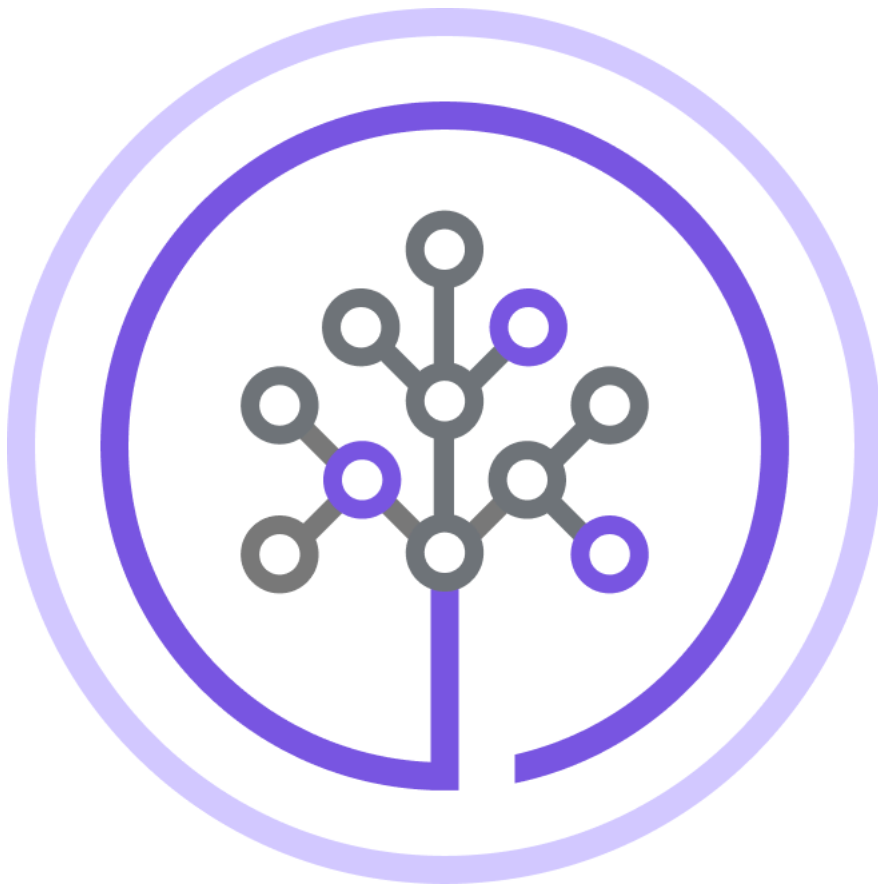


# Hands-on Lab: Upload and Export using Datasette



# 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.

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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	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(\*)

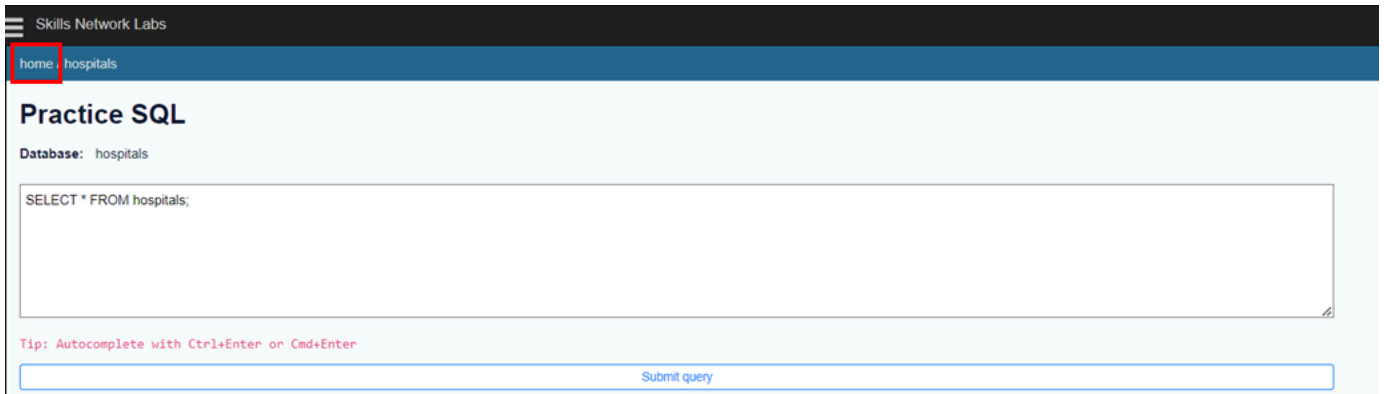
6501

Powered by Datasette

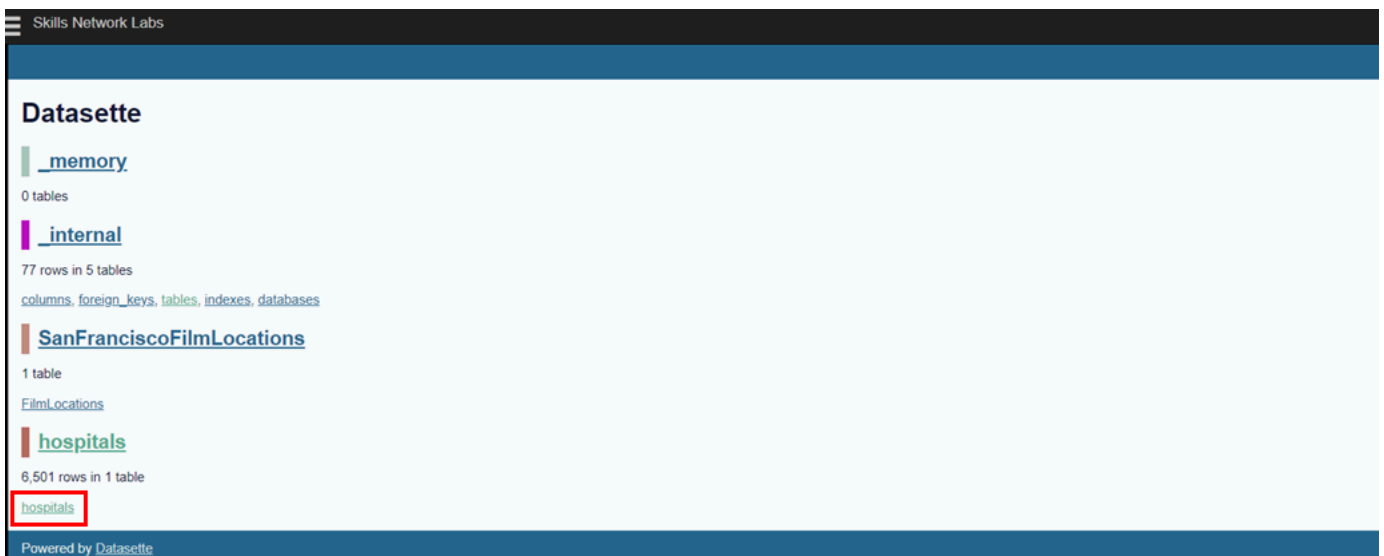
## Exercise 2: Export a Table from Datasette.

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.

```
https://datasette-2-labs-prod-misc-tools-us-east-0.labs.cognitiveclass.ai/user/nivedithap/hospitals/hospitals.csv?_size=max

rowid,id,name,city,state,lon,lat
1,1,Southern Hills Medical Center,BERRY HILL,TN,-86.721939,36.077843
2,2,Sycamore Shoals Hospital,ELIZABETHTON,TN,-82.247635,36.346218
3,3,Tokona Hospital,GREENEVILLE,TN,-82.845711,36.151772
4,4,University of Tennessee Child Development Center,DOWNTOWN MEMPHIS,TN,-90.037033,35.142872
5,5,Volunteer General Hospital,MARTIN,TN,-88.868393,36.335064
6,6,West Side Hospital,BELLE MEADE,TN,-86.809723,36.153667
7,7,William L Bork Memorial Hospital,COLLEGE DALE,TN,-85.134125,35.056461
8,8,All Saints Hospital,FORT WORTH,TX,-97.343361,32.729851
9,9,Beaumont Army Hospital,CENTRAL EL PASO,NM,-106.453598,31.822046
10,10,Burns Hospital,CUERO,TX,-97.285271,29.099424
11,11,Club of Christ Hospital,JEFFERSON,TX,-94.34742,32.440712
12,12,Danforth Memorial Hospital,TEXAS CITY,TX,-94.901306,29.392733
13,13,Eldridge Memorial Hospital,FIRST COLONY,TX,-95.617439,29.628016
14,14,Good Shepherd Hospital,LONGVIEW,TX,-94.730774,32.50098
15,15,Hamilton Hospital,OLNEY,TX,-98.763405,33.369278
16,16,Holy Cross Hospital,AUSTIN,TX,-97.713066,30.281878
17,17,Keightley Hospital,FRESNO,TX,-95.43911,29.606903
18,18,Lockwood Hospital,HOUSTON,TX,-95.317993,29.806057
19,19,Medical Hospital,TYLER,TX,-95.290787,32.338207
20,20,Newton Memorial Hospital,CAMERON,TX,-96.980827,30.854908
21,21,Oak Hills Haven,BALCONES HEIGHTS,TX,-98.574471,29.501621
22,22,Parkview General Hospital,BAYSIDE,TX,-97.393044,27.728918
23,23,Porter Hospital,DOWNTOWN LUBBOCK,TX,-101.867386,33.577305
24,24,Robstown Riverside Hospital,NORTH SAN PEDRO,TX,-97.635277,27.855021
25,25,Saint Edwards Hospital,CAMERON,TX,-96.977203,30.858799
26,26,Saint Jude Hospital,BRENNHAM,TX,-96.399414,30.179655
27,27,Santa Rosa Infirmary,ALAMO HEIGHTS,TX,-98.498627,29.426903
28,28,Southton Sanitorium,BULVERDE,TX,-98.421677,29.312176
29,29,State Tuberculosis Hospital,HARLINGEN,TX,-97.706375,26.159523
30,30,Texas Elks Hospital,PALMETO,TX,-97.582497,29.595232
31,31,Valley Baptist Hospital,HARLINGEN,TX,-97.67083,26.175074
32,32,Wilson Hospital,BAYSIDE,TX,-97.386658,27.749197
33,33,Ashley Valley Medical Center,MAESER,UT,-109.530975,40.458023
34,34,Charter Canyon Hospital,LINDON,UT,-111.664085,40.310513
35,35,Duchesne County Hospital,BALLARD,UT,-109.996262,40.304127
36,36,Holy Cross Hospital,SALT LAKE CITY,UT,-111.861053,40.768005
37,37,Logan Regional Hospital,HYDE PARK,UT,-111.822166,41.756042
38,38,Orem Community Hospital,LINDON,UT,-111.705482,40.305515
39,39,Saint Benedicts Hospital,CLEARFIELD,UT,-111.970215,41.163273
40,40,Shriners Hospital,SALT LAKE CITY,UT,-111.851334,40.777725
41,41,Utah Valley Regional Medical Center,OREM,UT,-111.665474,40.247173
42,42,Alexandria Hospital,ALEXANDRIA,MD,-77.106094,38.822334
```

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

https://datasette-2-labs-prod-misc-tools-us-east-0.labs.cognitiveclass.ai/user/nivedithap/hospitals/hospitals.csv?\_size=max

rowid,id,name,city,state,lon,lat  
1,1,Southern Hills Medical Center,BERRY HILL,TN,-86.721939,36.077843  
2,2,Sycamore Shoals Hospital,ELIZABETHTON,TN,-82.247635,36.346218  
3,3,Tokona Hospital,GREENEVILLE,TN,-82.845711,36.151772  
4,4,University of Tennessee Child Development Center,DOWNTOWN MEMPHIS,TN,-90.037033,35.142872  
5,5,Volunteer General Hospital,MARTIN,TN,-88.868393,36.335064  
6,6,West Side Hospital,BELLE MEADE,TN,-86.809723,36.153667  
7,7,William L Bork Memorial Hospital,COLLEGE DALE,TN,-85.134125,35.056461  
8,8,All Saints Hospital,FORT WORTH,TX,-97.343361,32.729851  
9,9,Beaumont Army Hospital,CENTRAL EL PASO,  
10,10,Burns Hospital,CUERO,TX,-97.285271,29  
11,11,Club of Christ Hospital,JEFFERSON,TX,  
12,12,Danforth Memorial Hospital,TEXAS CITY  
13,13,Eldridge Memorial Hospital,FIRST COLO  
14,14,Good Shepherd Hospital,LONGVIEW,TX,-9  
15,15,Hamilton Hospital,OLNEY,TX,-98.763405  
16,16,Holy Cross Hospital,AUSTIN,TX,-97.713  
17,17,Keightley Hospital,FRESNO,TX,-95.4391  
18,18,Lockwood Hospital,HOUSTON,TX,-95.3179  
19,19,Medical Hospital,TYLER,TX,-95.290787,  
20,20,Newton Memorial Hospital,CAMERON,TX,-  
21,21,Oak Hills Haven,BALCONES HEIGHTS,TX,-  
22,22,Parkview General Hospital,BAYSIDE,TX,-  
23,23,Porter Hospital,DOWNTOWN LUBBOCK,TX,-  
24,24,Robstown Riverside Hospital,NORTH SAN  
25,25,Saint Edwards Hospital,CAMERON,TX,-96  
26,26,Saint Jude Hospital,BRENNHAM,TX,-96.39  
27,27,Santa Rosa Infirmary,ALAMO HEIGHTS,TX  
28,28,Southton Sanitorium,BULVERDE,TX,-98.4  
29,29,State Tuberculosis Hospital,HARLINGEN  
30,30,Texas Elks Hospital,PALMETO,TX,-97.58  
31,31,Valley Baptist Hospital,HARLINGEN,TX,-97.67083,26.175074  
32,32,Wilson Hospital,BAYSIDE,TX,-97.386658,27.749197

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Save as...

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Create QR Code for this page

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Get image descriptions from Google

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Alt+Left Arrow

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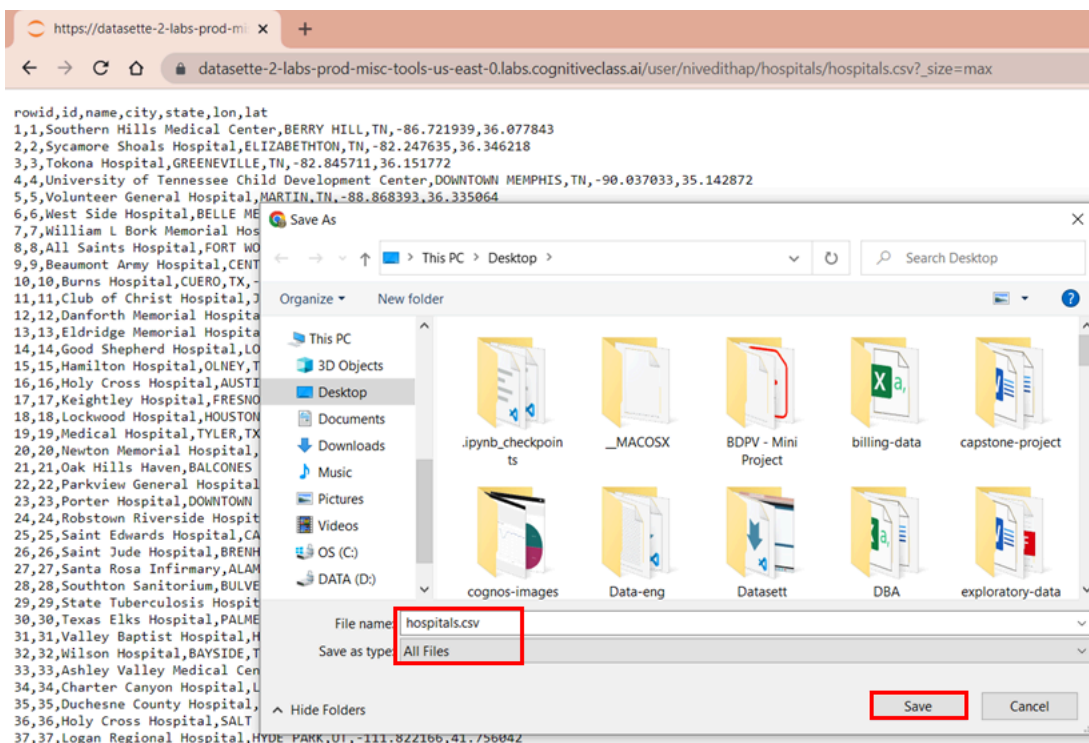
Ctrl+R

Ctrl+S

Ctrl+P

Ctrl+U

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							
rowid	id	name	city	state	lon	lat		
1	1	Southern Hills Medical Center	BERRY HILL	TN	-86.721939	36.077843		
2	2	Sycamore Shoals Hospital	ELIZABETH	TN	-82.247635	36.346218		
3	3	Tokona Hospital	GREENEVILLE	TN	-82.845711	36.151772		
4	4	University of Tennessee Child Development Center	DOWNTOWN	MEMPHIS	TN	-90.037033	35.142872	
5	5	Volunteer General Hospital	MARTIN	TN	-88.868393	36.335064		
6	6	West Side Hospital	BELLE ME	TN	-86.8097	36.15367		
7	7	William L Bork Memorial Hos	COLLEGE	TN	-85.1341	35.05646		
8	8	All Saints Hospital	FORT WOF	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	JEFFERSO	TX	-94.3474	32.44071		
12	12	Danforth Memorial Hospital	TEXAS CI	TX	-94.9013	29.39273		
13	13	Eldridge Memorial Hospital	FIRST CO	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	BRENHAM	TX	-96.3994	30.17966		
27	27	Santa Rosa Infirmary	ALAMO H	TX	-98.4986	29.4269		
28	28	Southton Sanitorium	BULVER	TX	-97.2853	29.09942		
29	29	State Tuberculosis Hospital	HOUSTON	TX	-95.318	29.80606		
30	30	Texas Elks Hospital	PALME	TX	-97.393	27.72892		
31	31	Valley Baptist Hospital	H	TX	-97.393	27.72892		
32	32	Wilson Hospital	BAYSIDE	TX	-97.393	27.72892		
33	33	Ashley Valley Medical Cen						
34	34	Charter Canyon Hospital						
35	35	Duchesne County Hospital						
36	36	Holy Cross Hospital	SALT					
37	37	Logan Regional Hospital	HYDE PARK	UT	-111.822166	41.756842		

## Author(s)

- [Niveditha Pandith](#)