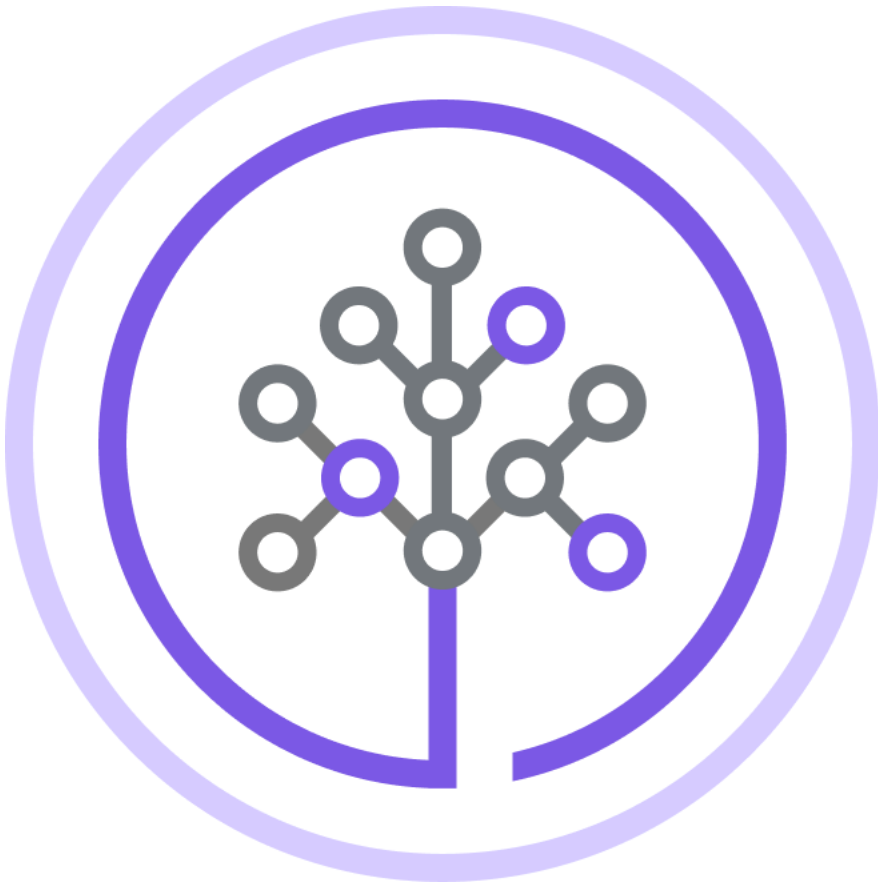


# Hands-on Lab: Upload and Export using Datasette



# 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:

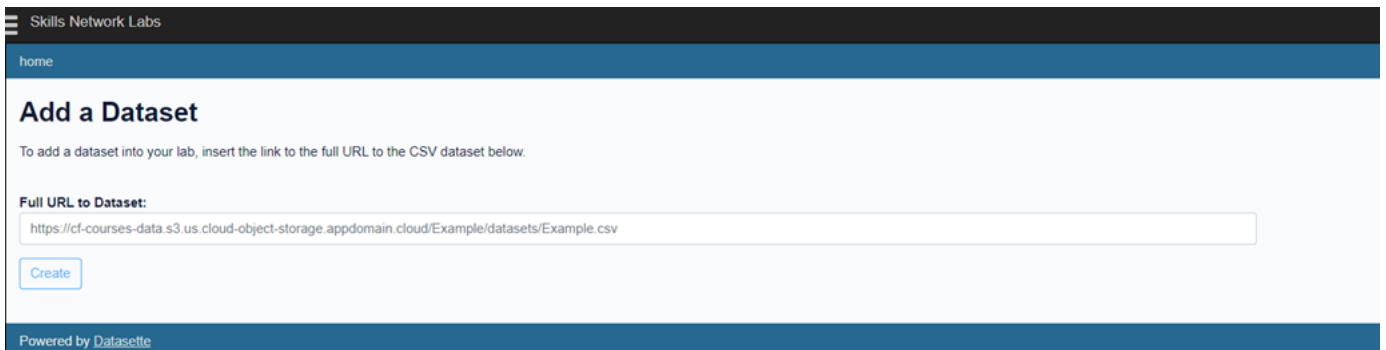
<https://dataplatform.cloud.ibm.com/exchange/public/entry/view/5562ced564e776edc5f91e13d48d8309?context=cpdaas>. This dataset is published by IBM and contains point data for a sample list of hospitals in the US.

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:**

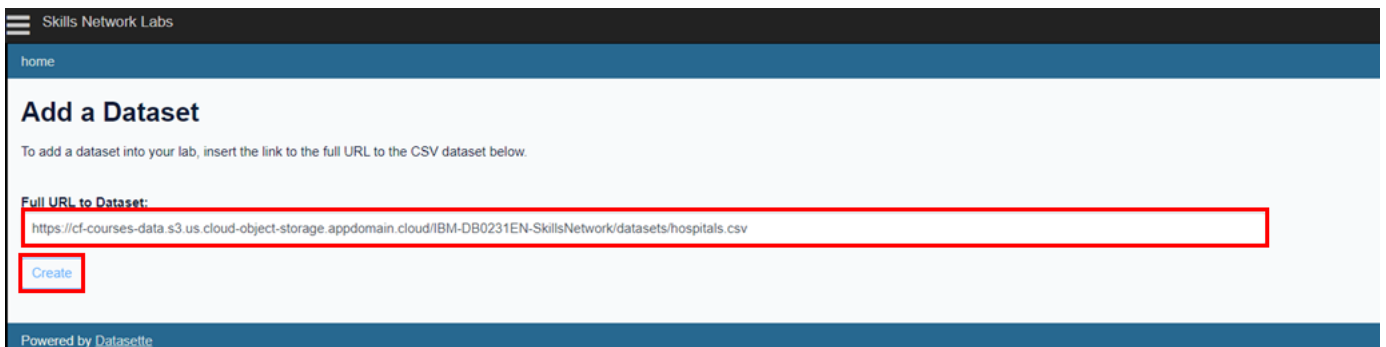
Create

Powered by Datasette

- 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:**

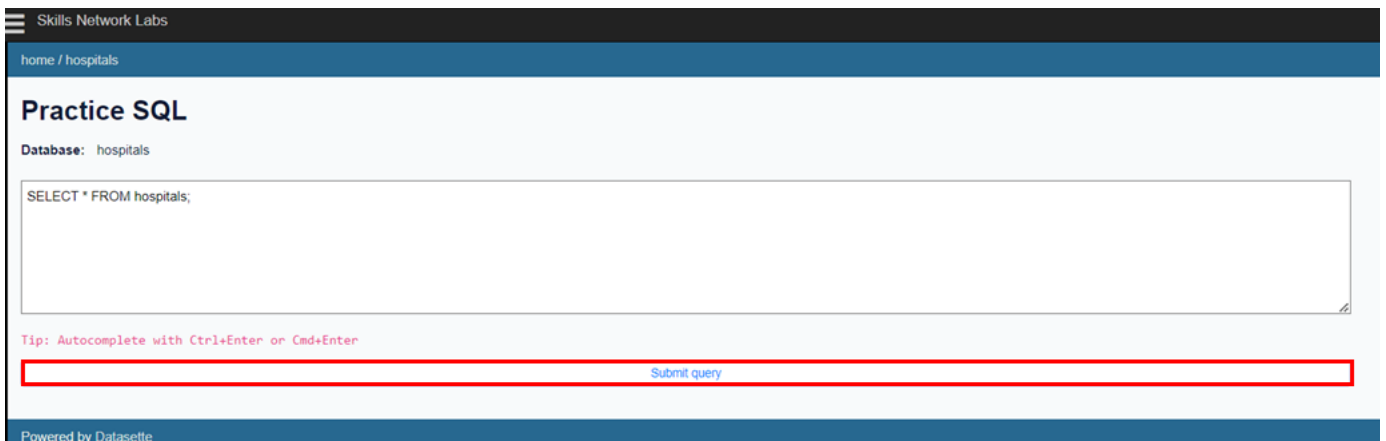
Create

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- 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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- 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.

```
1. 1
1. SELECT count(*) FROM hospitals;
```

Copied!

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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

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## 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.

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## 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:

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## Datsette

[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](#)

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

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## 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...

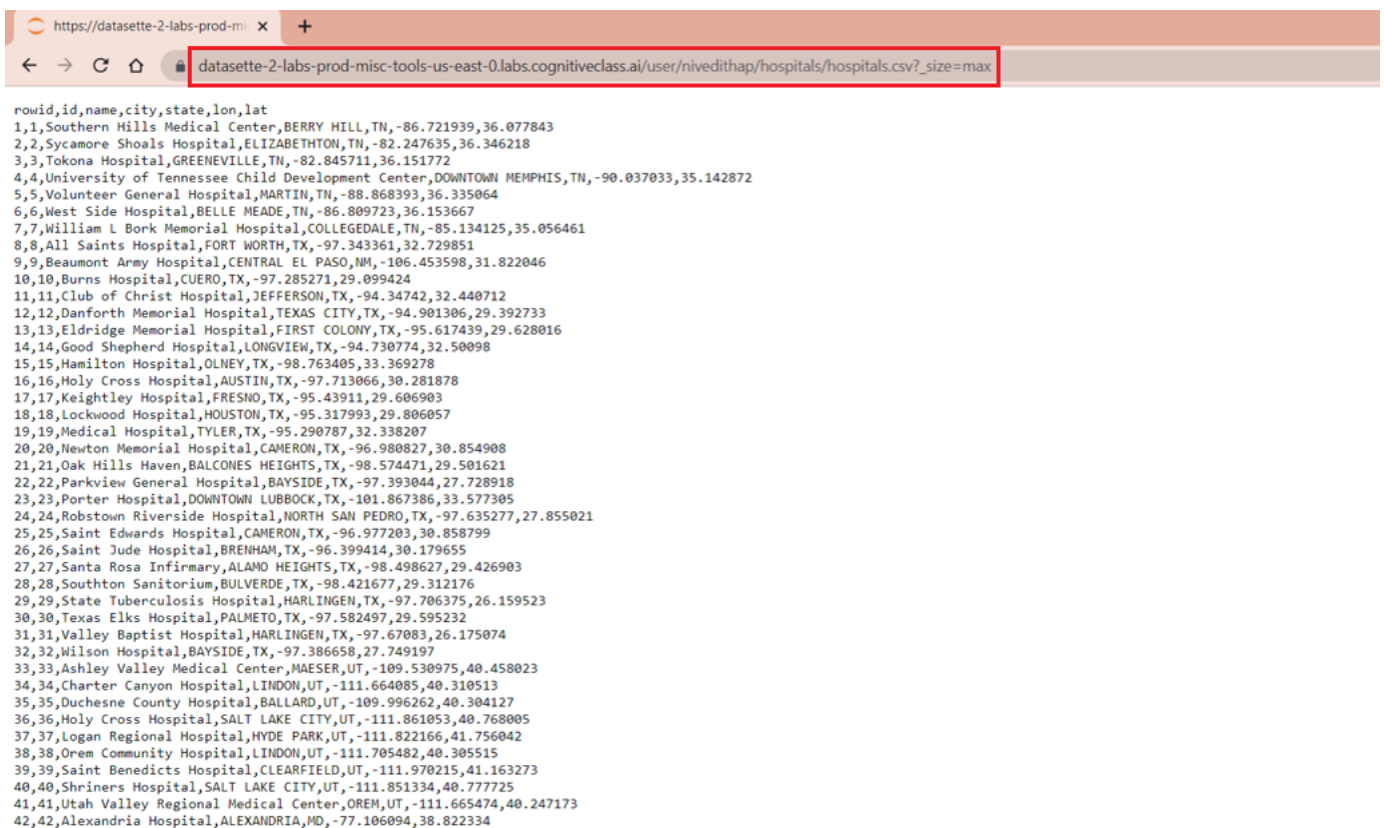
Copy link address

Get image descriptions from Google

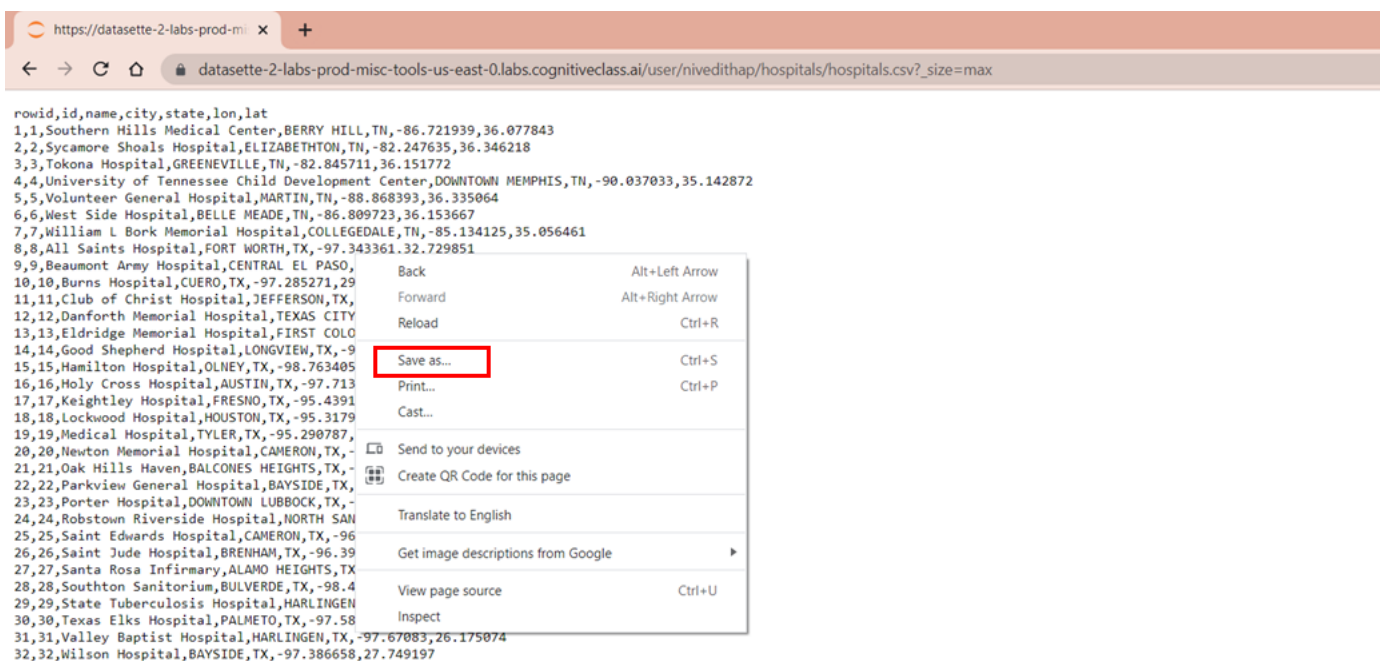
Inspect

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	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	COLLEGE DALE	TN	-85.134125	35.056461
8	8	8	FORT WORTH	TX	-97.343361	32.729851

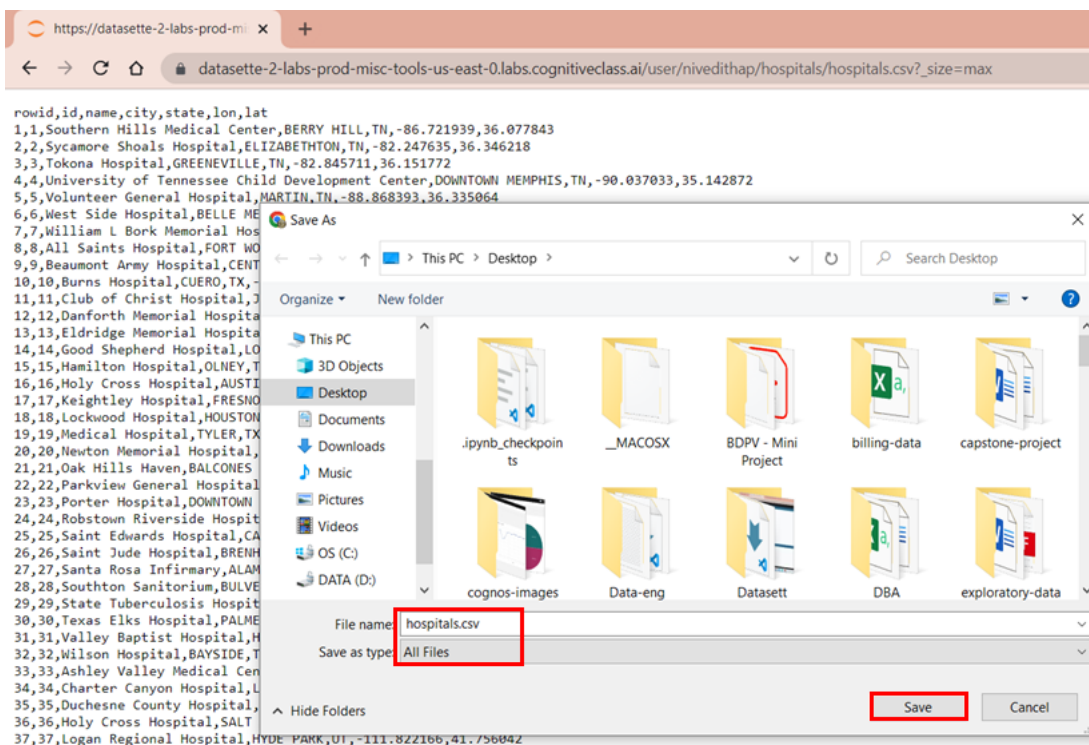
4. Paste the URL in a new **tab** and press **ENTER**. Now this will display all the data present in the table.



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:

FileHomeInsertPage LayoutFormulasDataReviewViewHelp

</

## 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

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