Hands-on Lab: Upload and Export using Datasette

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

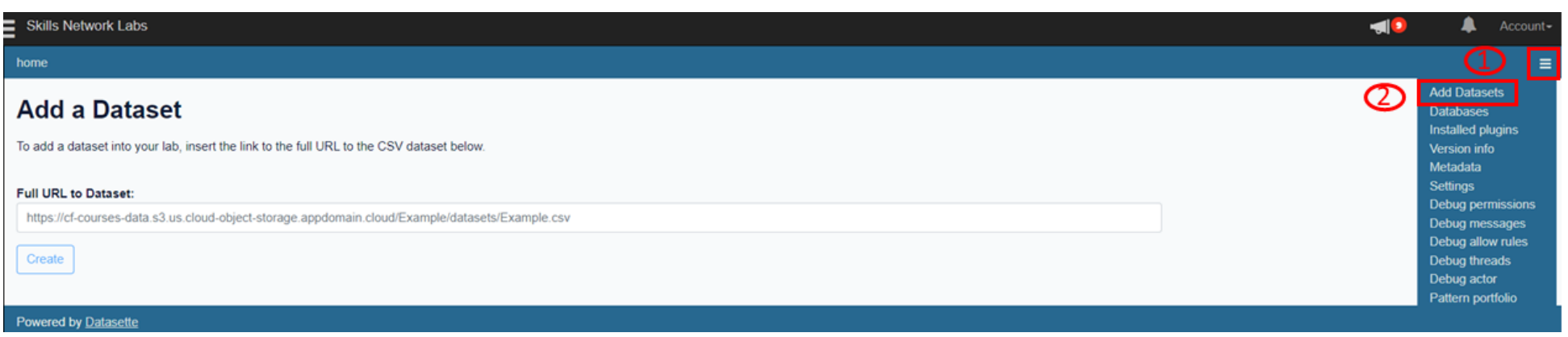
The first dataset used in this lab comes from the following source: https://dataplatform.cloud.ibm.com/exchange/public/entry/view/5562ced564e776edc5f91e13d48d8309?context=cpdaas. This dataset is published by **IBM** and contains point data for a sample list of hospitals in the US.

> 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.

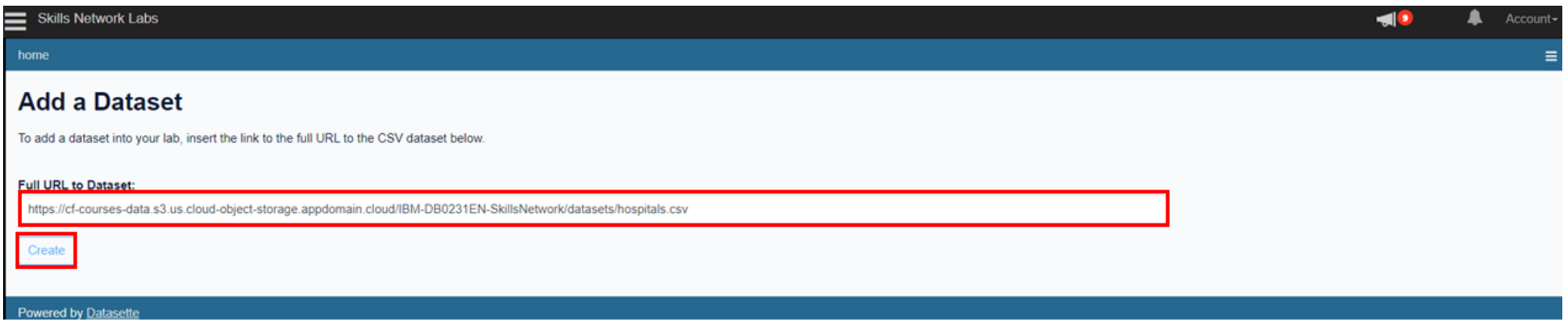
1. Once the Datasette tool is launched using the open tool, click on the **Navigation Tool** and then select **Add DataSets** option at the right-end corner.



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.

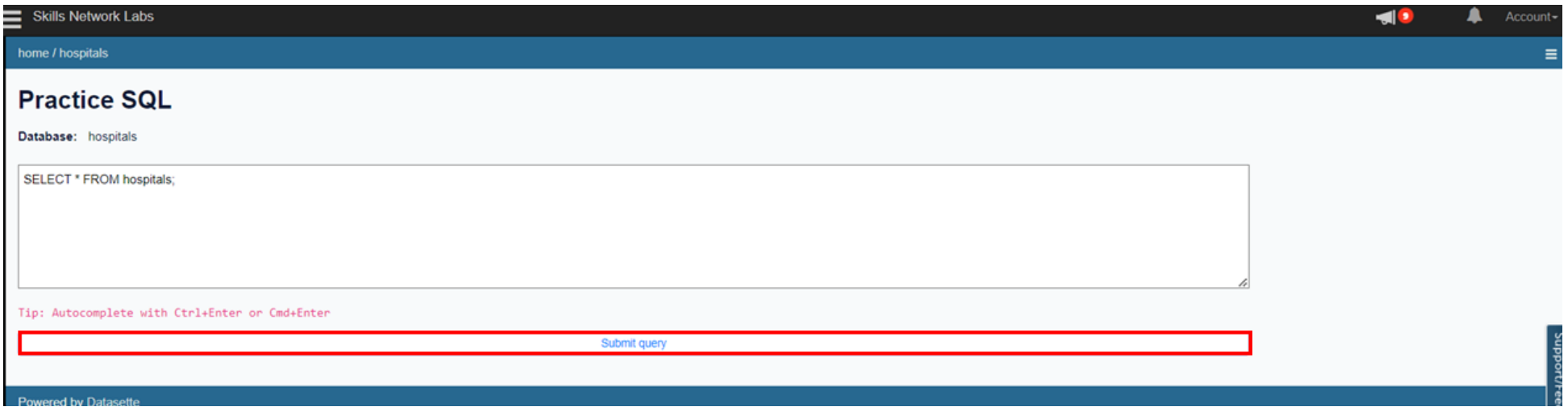
   Enter the copied URL in the text box and click on **Create**.



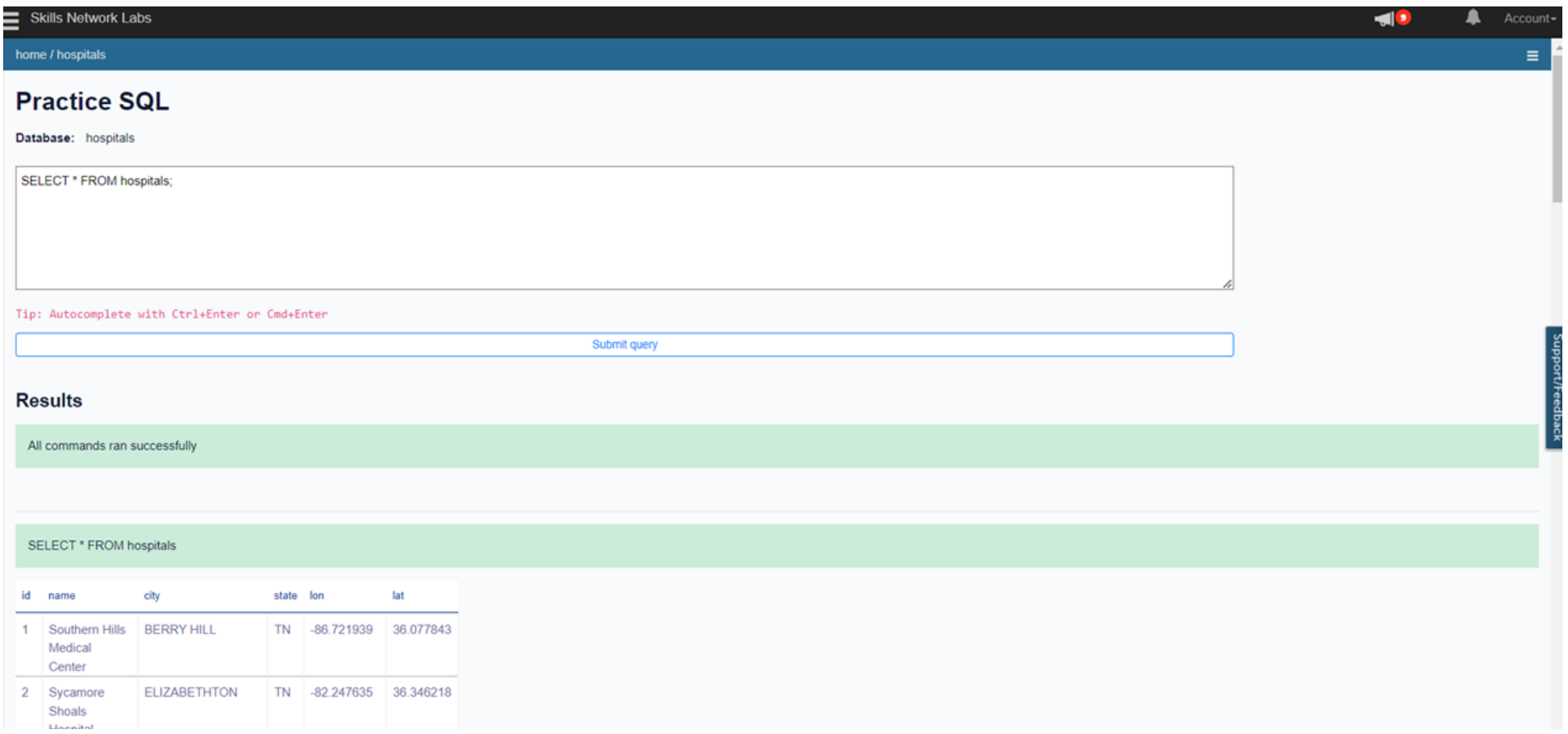
3. Then this will create the HOSPITALS table with the data loaded from the CSV file.

   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.

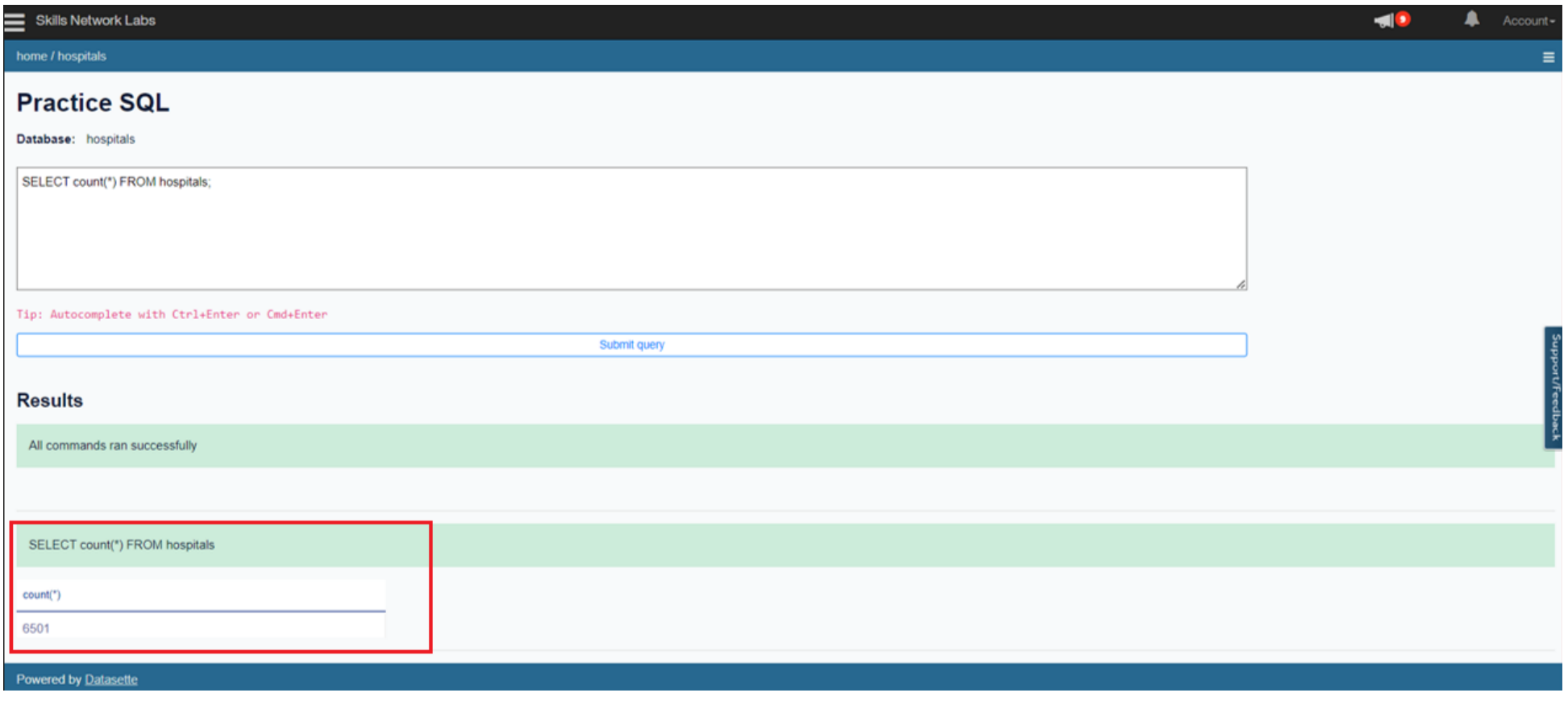


5. You have successfully created and loaded the **HOSPITALS** table.



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

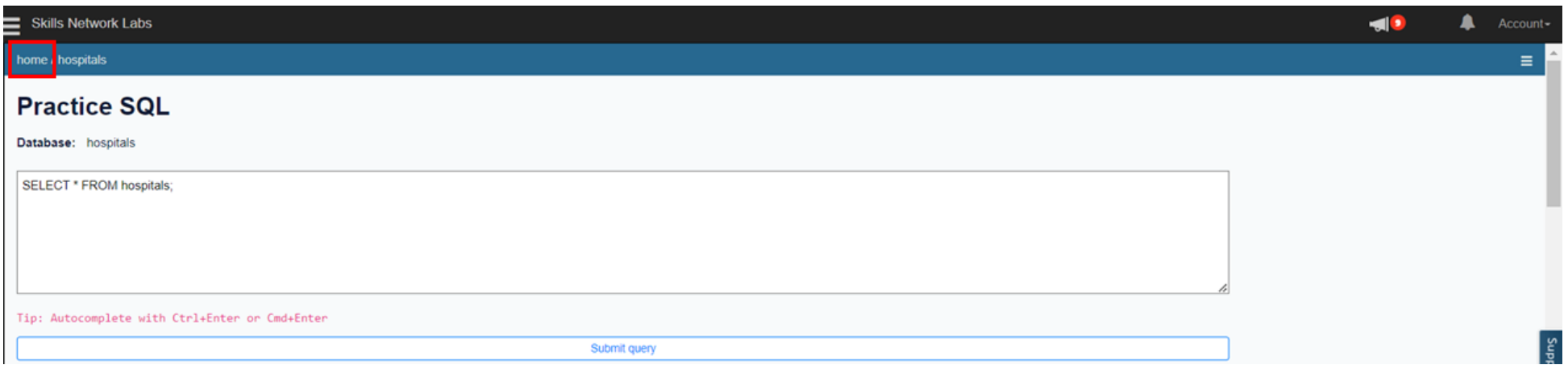
```
SELECT count(*) FROM hospitals;
```



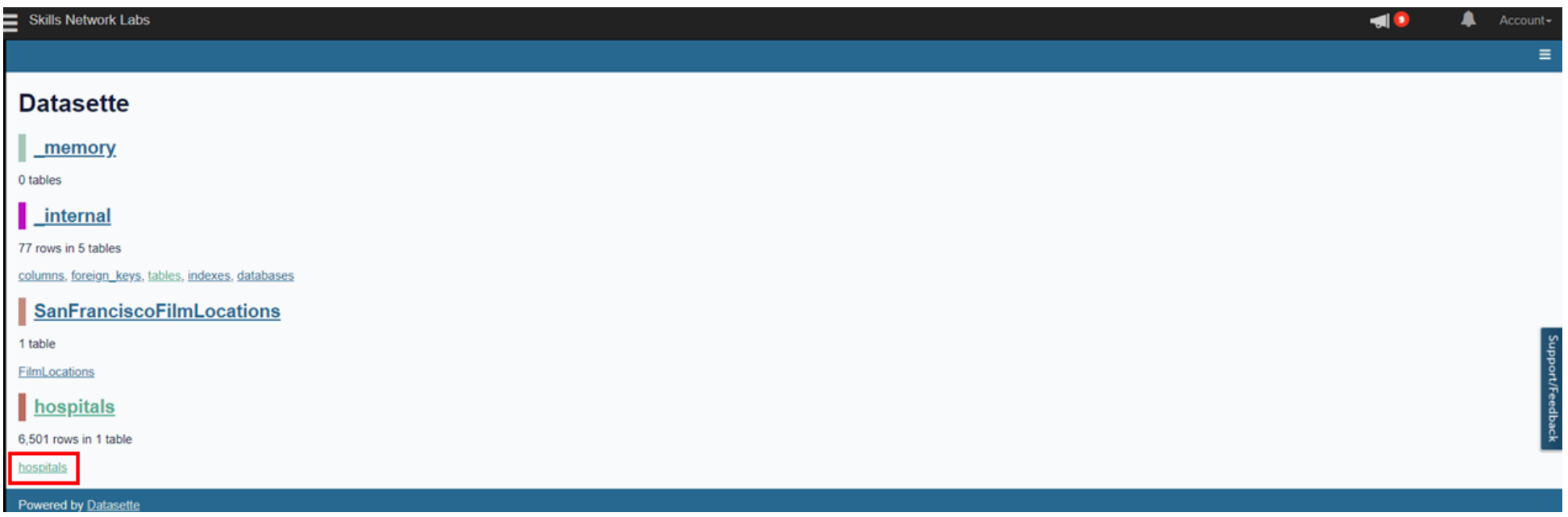
Exercise 2: Export a Table from Datasette.

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.

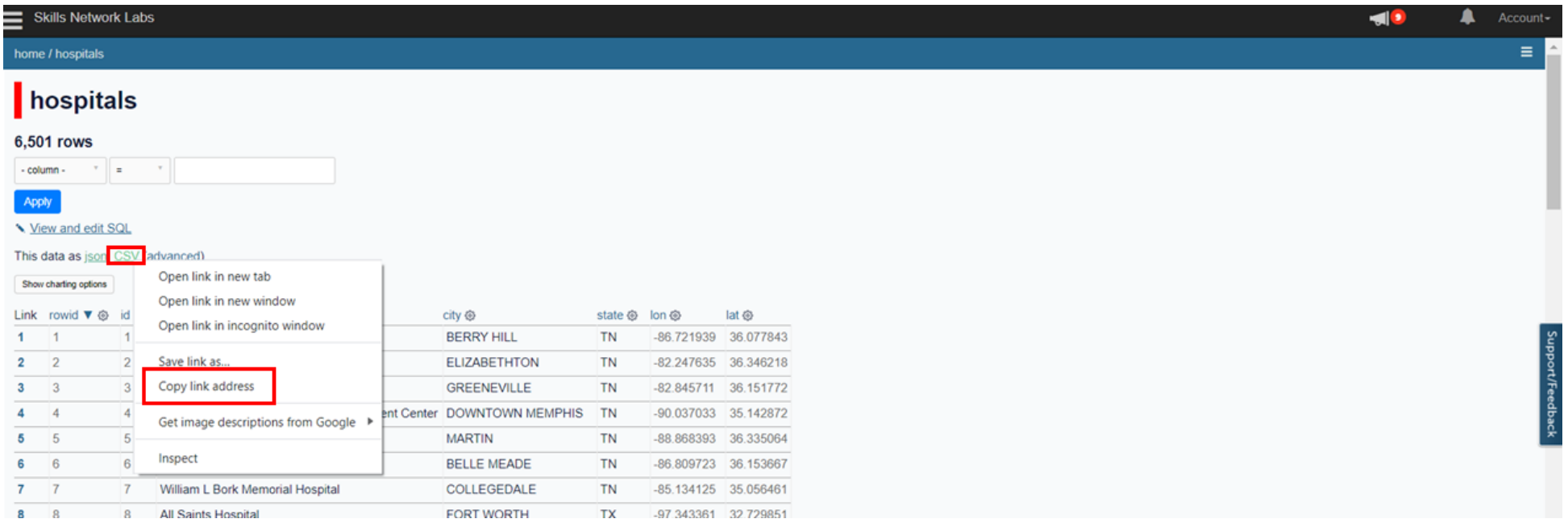
1. First, click the **home** link at the top of the page in the tool.



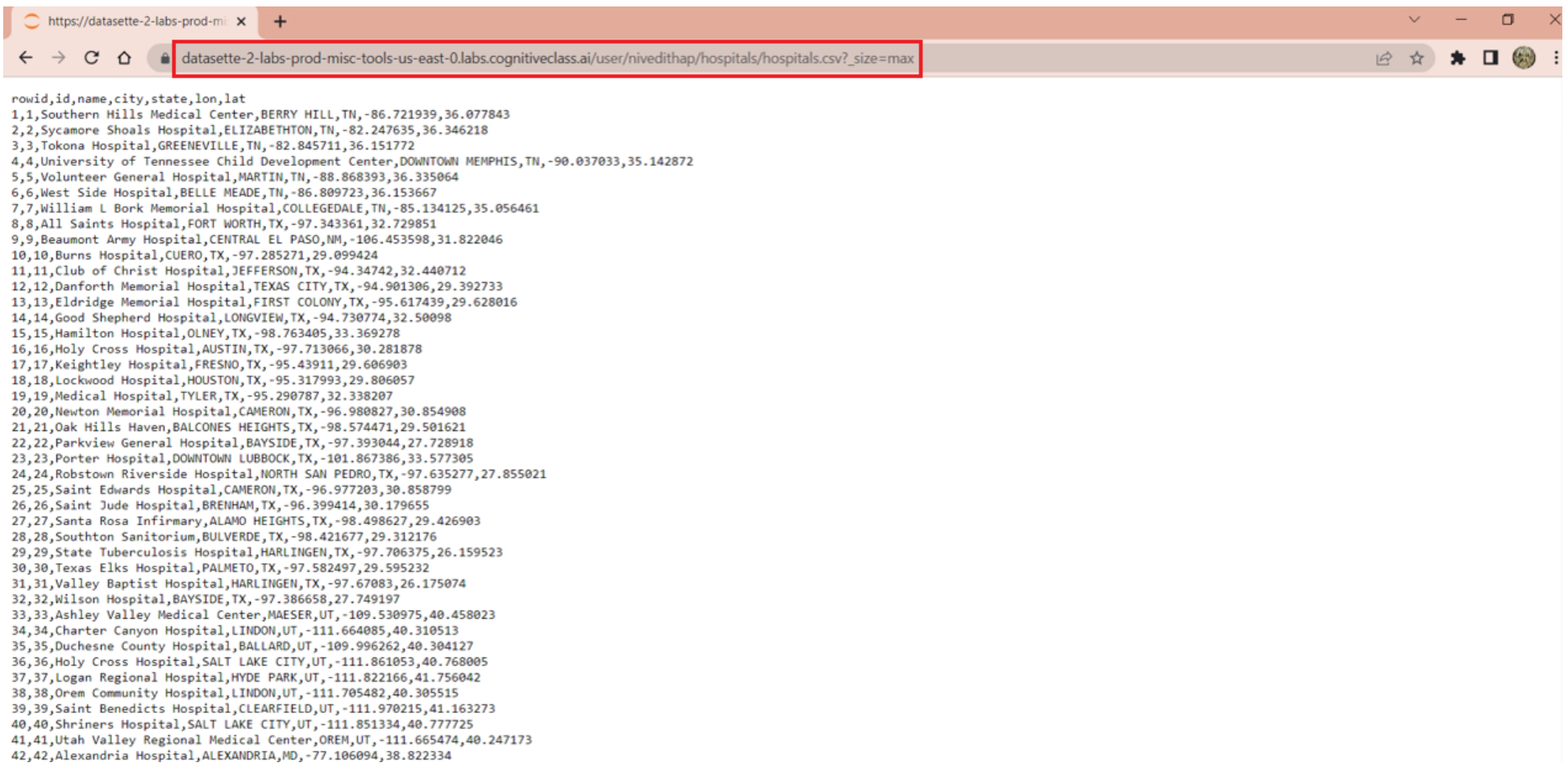
2. Click on the **hospitals** table link as highlighted below:



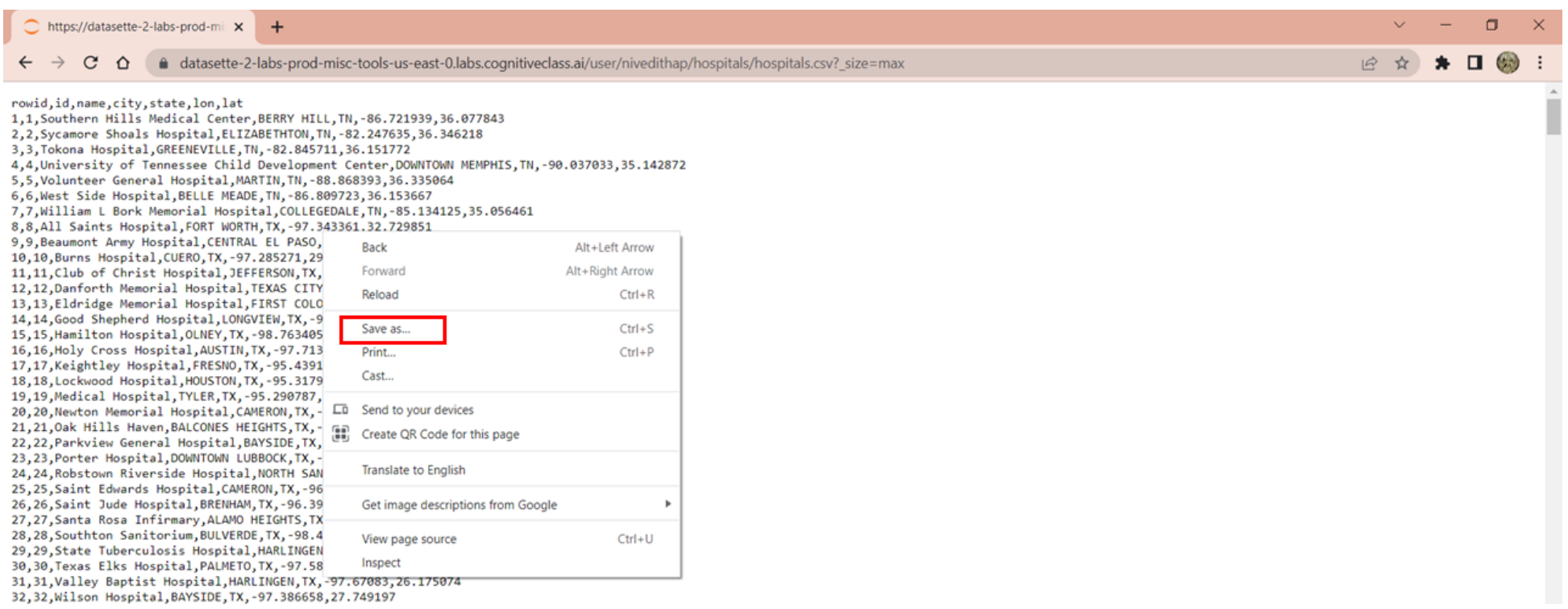
3. Right-click on the **CSV** and copy the **link address**.



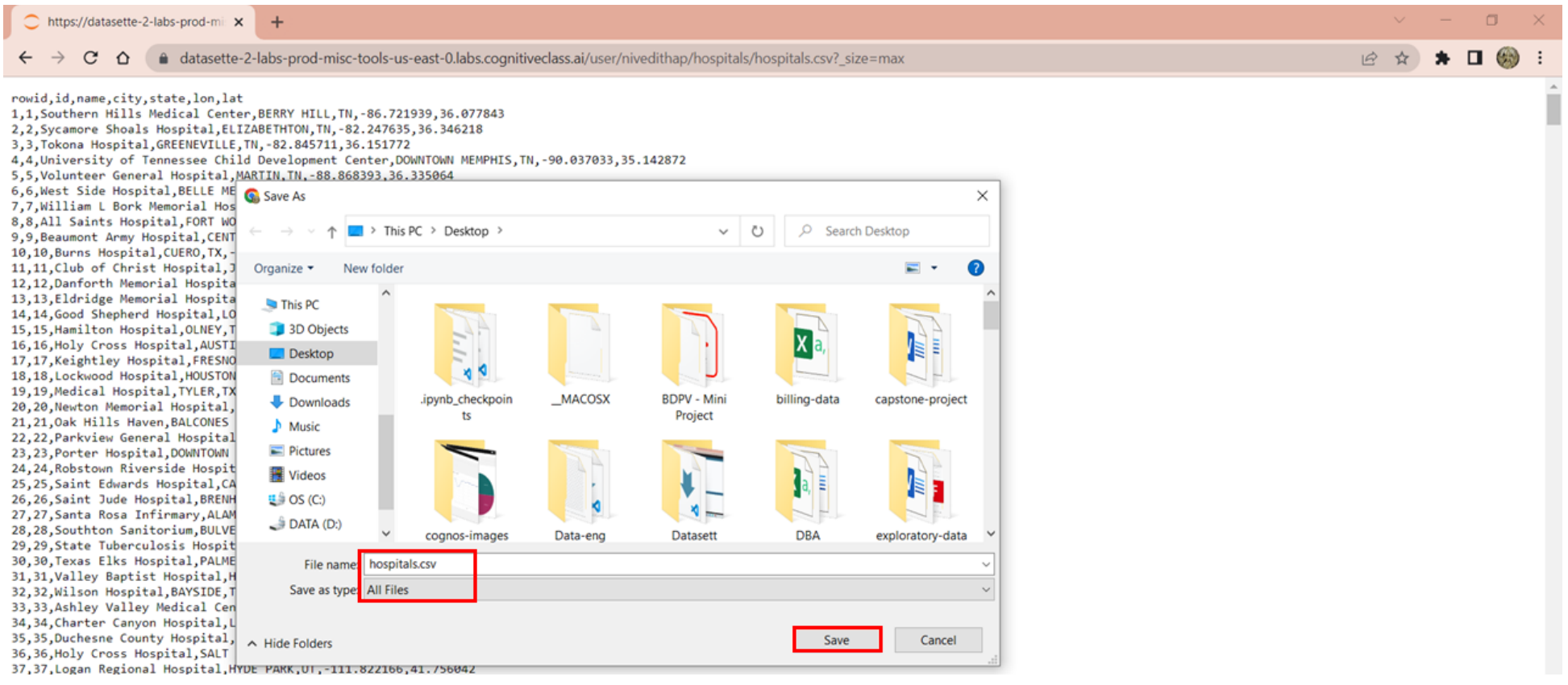
4. Paste the URL in a new **tab** and press **ENTER**. Now this will display all the data present in the table.



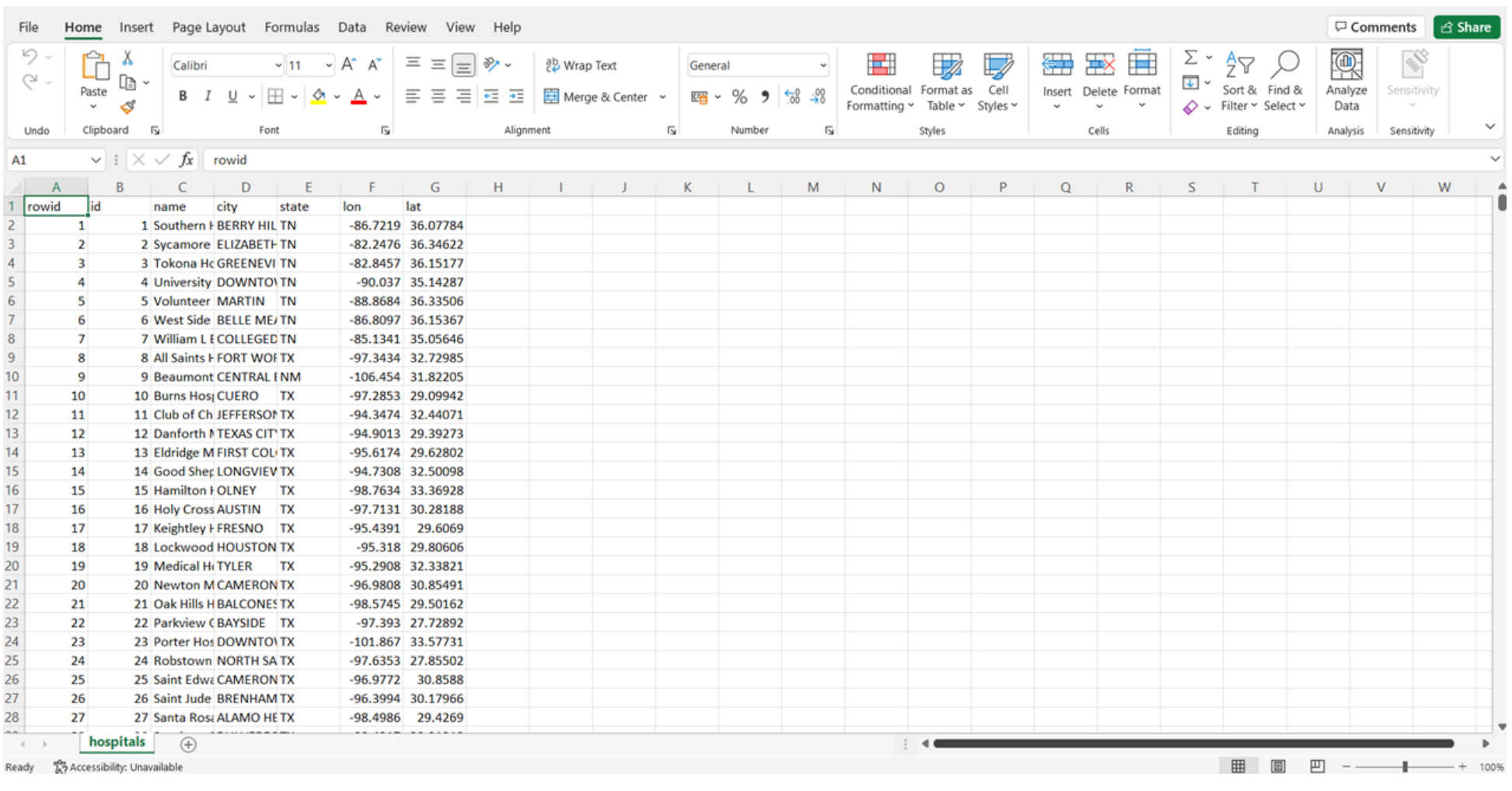
5. To save the file, right-click and select **SAVE-AS**.



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:



Author(s)

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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

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