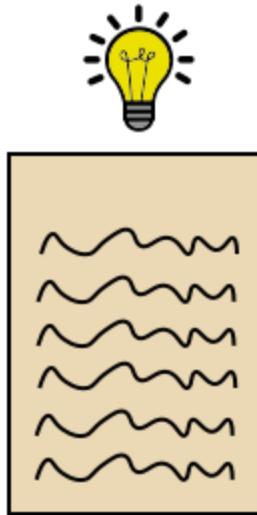


Scratch Data Tools Extension

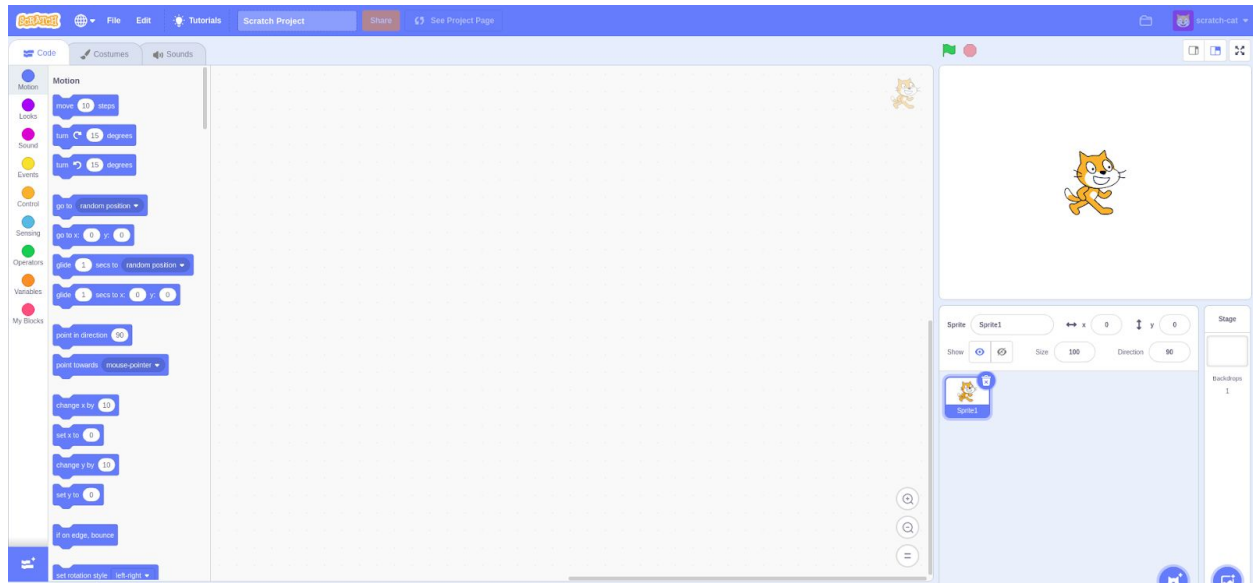


User Documentation

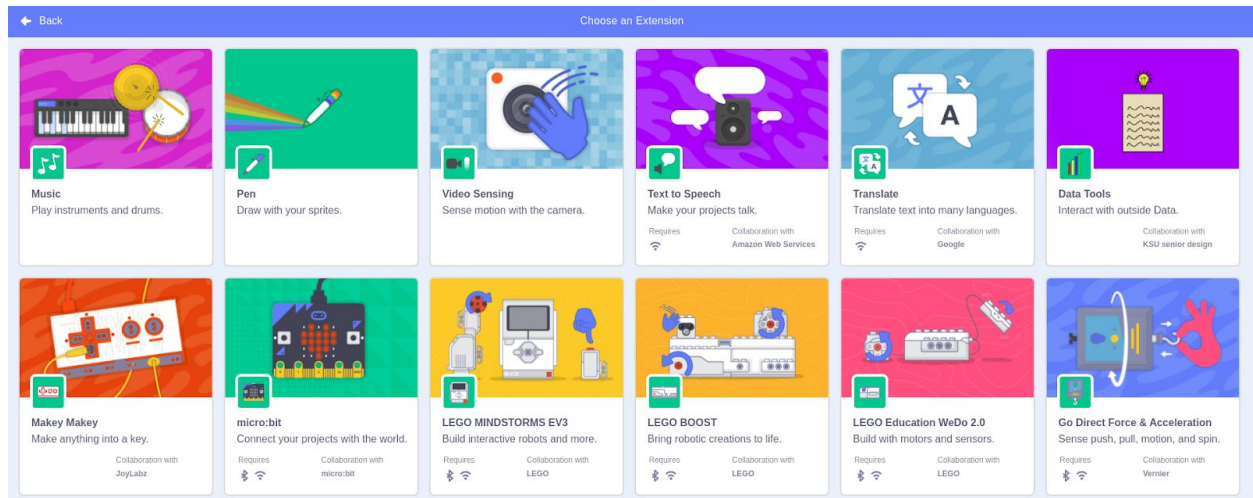
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Adding the Extension

To add the extension, first click on the “Add Extension” button.



Click on the “Data Tools” extension to add it to your scratch project.



When you first add the extension, it will prompt you to upload a dataset file. See the [“Upload a Dataset File”](#) section for more information.

Upload a Dataset File

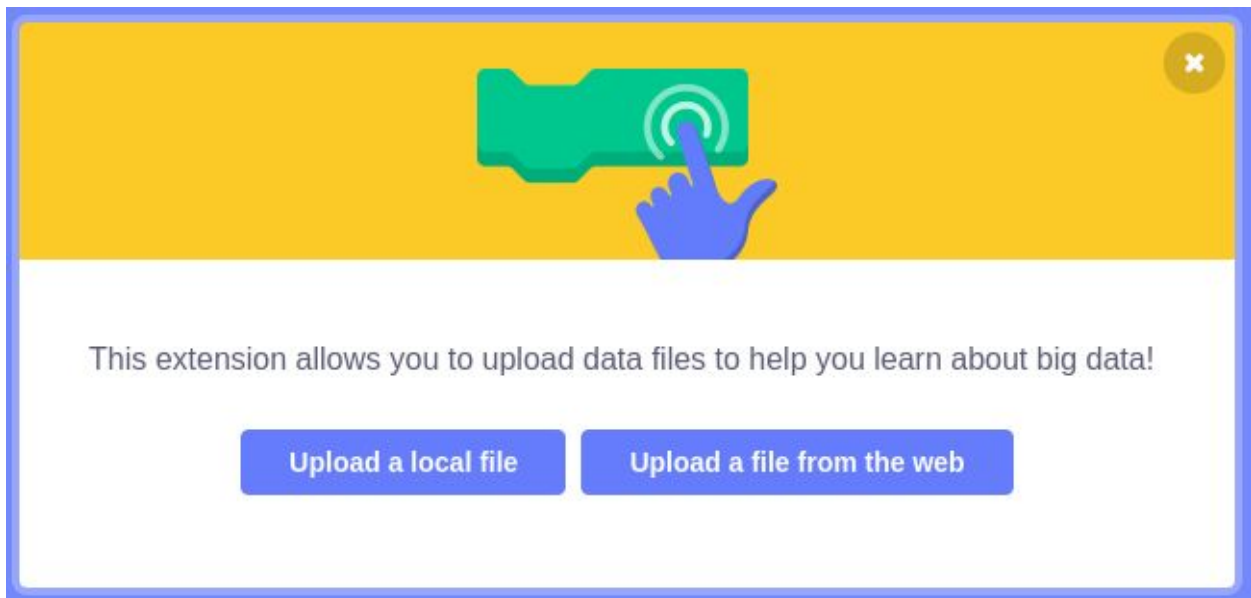
Before you can use the extension, you will need a dataset to work with. To do this, you must upload the dataset to your scratch project. There are two ways to do this, from a local file on your computer, or with a link to a file on the web.

Upload a Local File

There are two methods you can use to upload a local dataset file. One way is to use the popup when you first add the extension, the other is to use the upload button.

Using the Popup

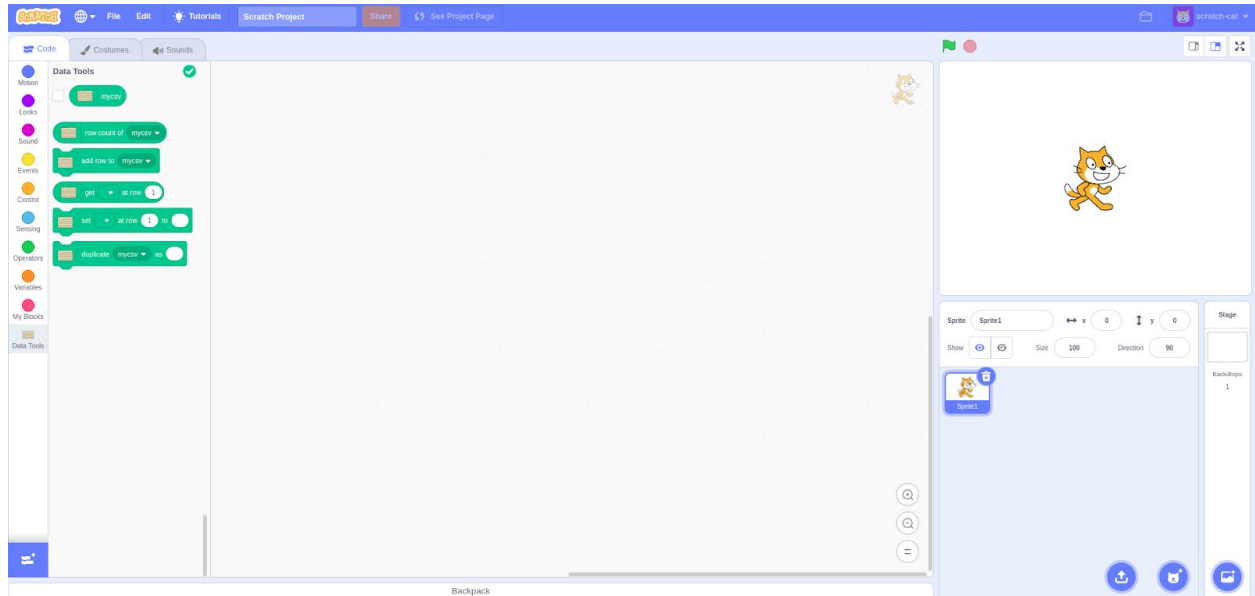
When you first add the extension it will create a popup that will prompt you to upload a dataset file. To upload a local dataset file, click on the “Upload a local file” button.



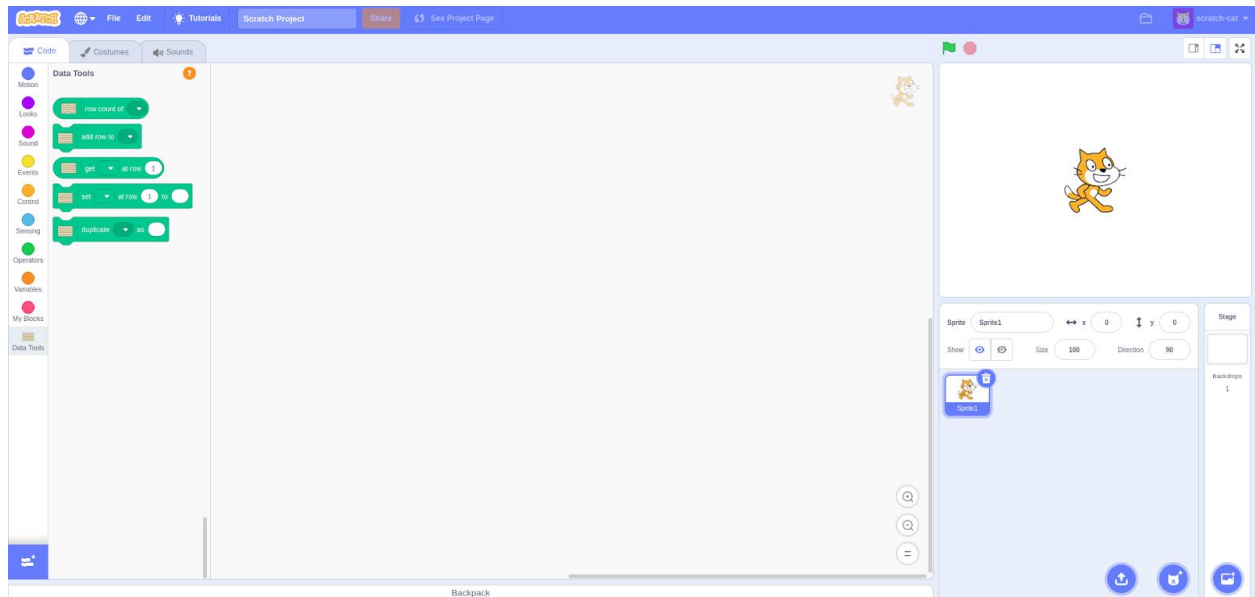
It will open your file explorer. Navigate through your computer to where the dataset file you want to upload is, then select it for upload.

Now click on “Open” to upload the file.

The dataset should now be loaded into your project, and you should see a new block for the dataset.



If you accidentally close the popup or want to open it again, you can click on this button.

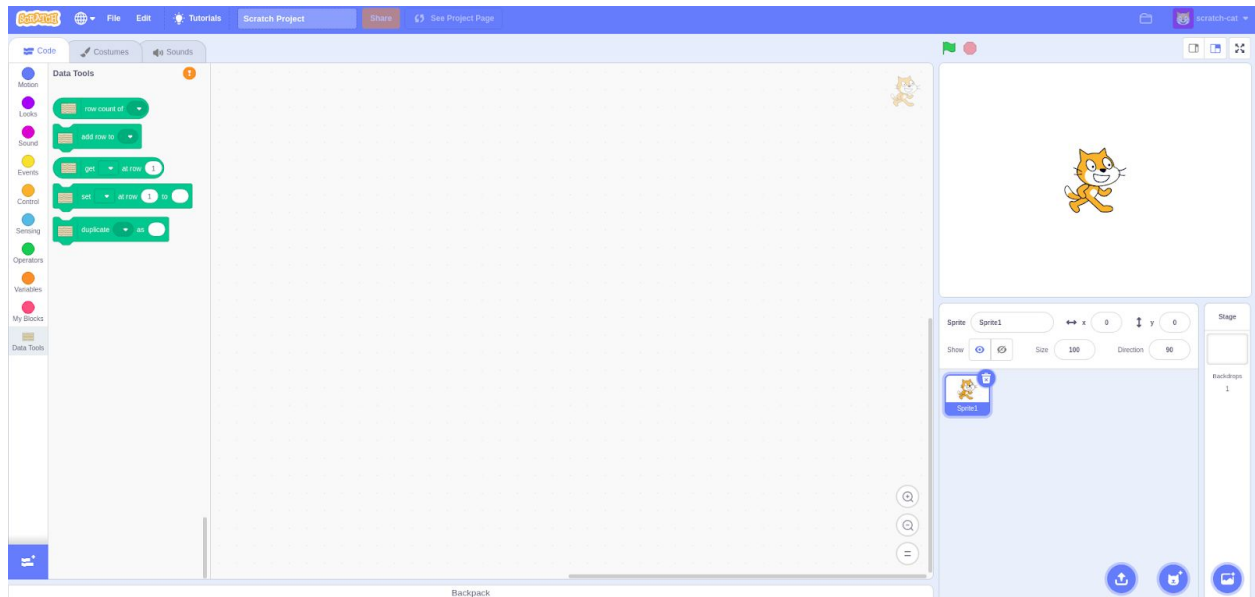


The button will change from an orange exclamation mark into a teal check mark once you have uploaded at least one dataset file, but will still reopen the popup.

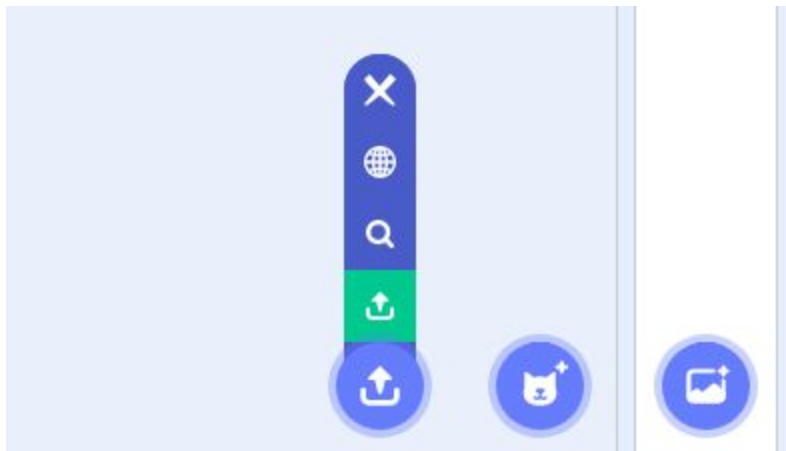


Using the Button

Once you have added the extension to your scratch project, there should be a new button in the bottom right of scratch.



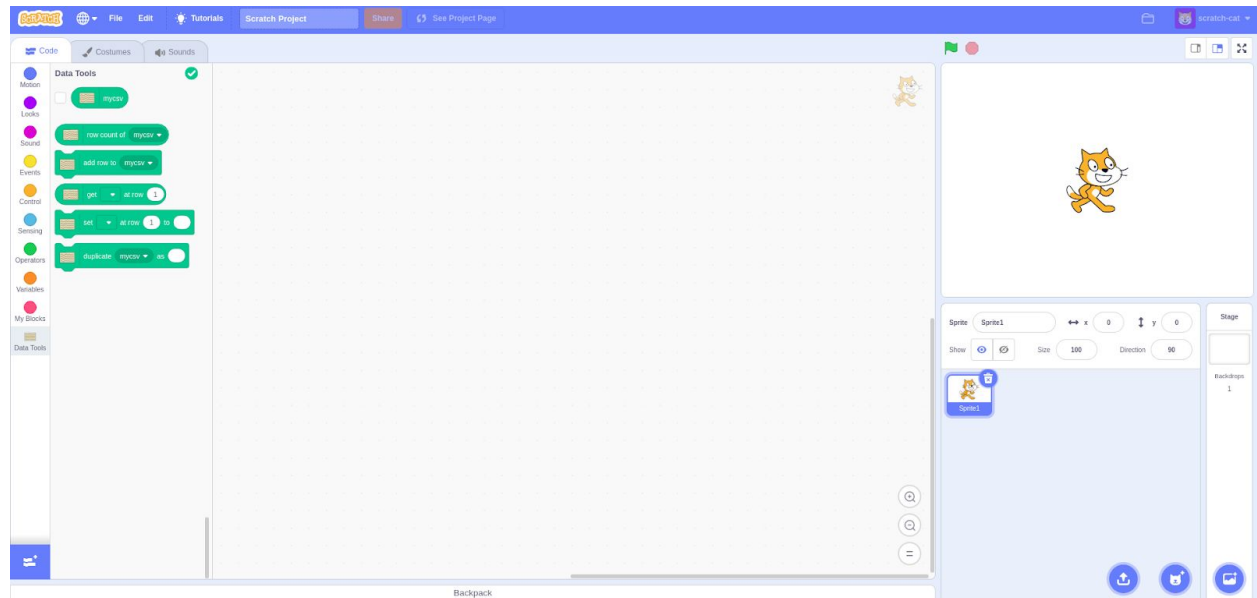
To upload a local file, move your cursor over the button and then click on the “Upload Local File” option.



It will open your file explorer. Navigate through your computer to where the dataset file you want to upload is, then select it for upload.

Now click on “Open” to upload the file.

The dataset should now be loaded into your project, and you should see a new block for the dataset.



Upload a File from the Web

This feature is currently not fully functioning and won't be for the foreseeable future. For now, please upload your dataset file from your local computer.

There are two methods you can use to upload a dataset file from the web. One way is to use the popup when you first add the extension, the other is to use the upload button.

Using the Popup

When you first add the extension it will create a popup that will prompt you to upload a dataset file.

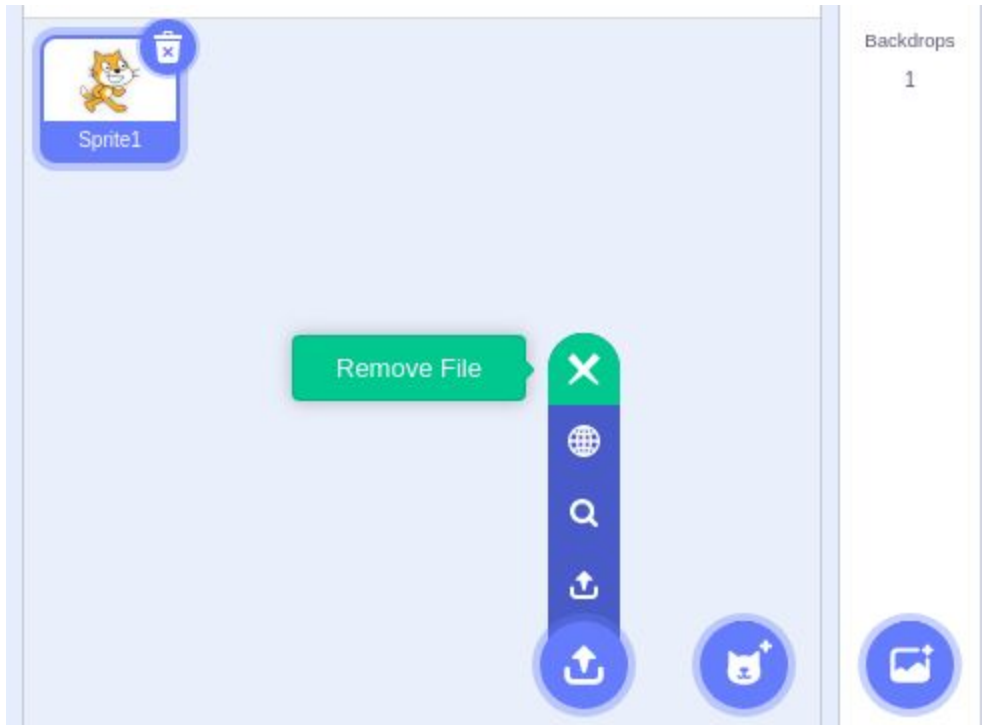
Using the Button

Once you have added the extension to your scratch project, there should be a new button in the bottom right of scratch.

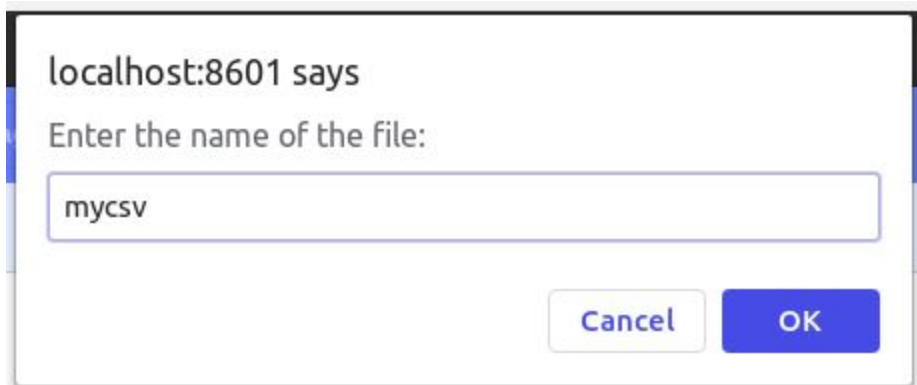
To upload a file from the web, move your cursor over the button and then click on the "Upload Web File" option.

Removing a Dataset

Once you have uploaded a dataset file, you might want to remove it. In order to remove it, you must move your cursor over the new button added by the extension in the bottom right of scratch, and click on the “Remove File” option.

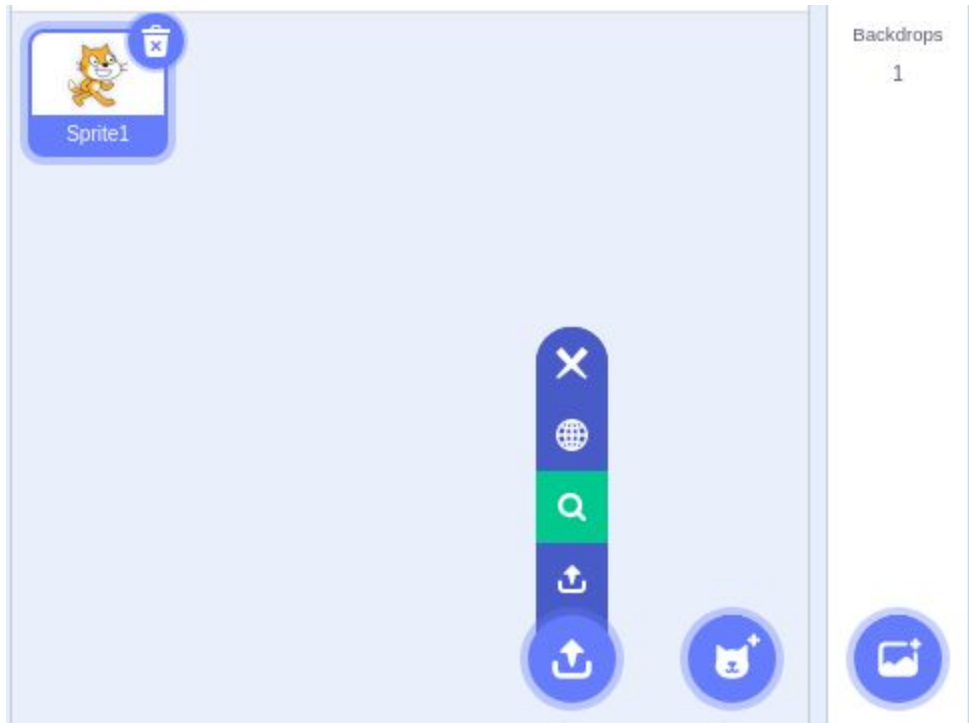


This will open a popup that prompts you to enter the name of the dataset file to remove. You must type in the exact name of the dataset you want to remove, as it appears on the block in scratch, into the prompt to remove it. Once you have done this, click the “OK” button to remove the dataset file.



Viewing a Dataset

Once you have uploaded a dataset, you will find viewing it in the editor significantly easier than displaying it's values using scratch blocks. To do view the file in the editor, once again hover over the new button added by the extension in the bottom right, and click on the “View File” option.



Now you should be able to view the dataset in spreadsheet form. To switch between uploaded files, click on the name of the dataset you want to view at the top of scratch.

Back		View File			
		testJson	testXML		
	year	number	incomeCurrentPerCapita	income2018PerCapita	
1	2018	324356	36080	36080	
2	2017	323144	35048	35902	
3	2017	323156	34489	35330	
4	2016	320372	33205	34746	
5	2015	318868	31653	33549	
6	2014	316168	30176	32039	
7	2013	313443	30027	32420	
8	2013	313395	28829	31127	
9	2012	311116	28281	30988	
10	2011	308827	27554	30830	
11	2010	306553	26558	30653	
12	2009	304280	26530	31126	
13	2008	301483	26964	31525	
14	2007	299106	26804	32541	
15	2006	296824	26352	32900	
16	2005	293834	25036	32270	
17	2004	291166	23857	31792	
18	2003	288280	23276	31856	
19	2002	285933	22794	31905	
20	2001	282082	22851	32489	
21	2000	279517	22346	32675	

Editing a Dataset

Using Blocks

Using the Editor

Using the Blocks