

11.6.2

Add the Data

Dana's page is starting to really come together. The layout from the storyboard has transferred directly to the HTML, making the construction fairly seamless. There was still quite a bit of nesting and manual entry going on, but the overall result is a clean page, ready to display data.

The next step in getting Dana's page viewer-ready is to link `D3.js`, `app.js`, and `data.js` to the HTML.

The UFO webpage looks nice and clean and appears to be functioning well, but the only way to truly test it is to tie it together with the JavaScript code we created earlier. We'll tie them together by adding `<script />` tags then linking to the file's location. This is very similar to when we added a link to our stylesheet. Only this time, the links to our scripts will be at the bottom of the page.

IMPORTANT

When adding multiple `<script />` links to a webpage, the order matters. The order we link our files will be the order they are executed. If we link `app.js` before `data.js`, then the app will try to build the table before the data has loaded. This will generate an error and break the table.

At the bottom of the page, under the last `<div />` tag, we will need to add our scripts. There are three we need to include, in the following order:

1. A link to a D3.js CDN
2. The file path to `data.js`
3. The file path to `app.js`

These will each be added via a script tag. Let's add them now.

```
<script src="https://cdnjs.cloudflare.com/ajax/libs/d3/4.11.0/d3.js"></script>
<script src="static/js/data.js"></script>
<script src="static/js/app.js"></script>
```

Adding the link to D3.js allows the library to "listen" in on our code, or react to user input. For example, if we did not add this link, our `d3.select` section of code in `app.js` wouldn't know where to insert data.

We linked to `data.js` next because the UFO sightings data needs to be loaded before it can be accessed, as we do in the `app.js` script.

Once the file has been saved, return to the page you opened in your browser and refresh it. The table should now be filled to the brim with UFO sightings data. Even better, the filter button should work as intended.

UFO Sightings

The Truth Is Out There

UFO Sightings: Fact or Fancy? Ufologists Weigh In

Are we alone in the universe? For millennia, humans have turned to the sky to answer this question. Now, thanks to research generously funded by W. Ave, a UFO-enthusiast and amateur Ufologist, we can supplement our sky-searching with data analysis.

"The release of this analysis is well-timed: it coincides with the celebration of World UFO Day, which is a moment for ufologists around the world to connect, relax, and sample a range of UFO-themed snacks," said Dr. Ursula F. Olivier, the world's preeminent expert on circular sightings. "Citizen-scientists can be especially helpful in both cataloguing sightings—which is hugely helpful for us in our search for aliens—and in helping us celebrate the work that has already been done, such as this data visualization project, which will help us raise awareness of the ubiquity of sightings!"

Not everyone is ready to celebrate, however. Local CEO and vocal anti-alien activist V Isualize reached out to our reporters to go on record as firmly opposed to any attempts to provide access to this data. "If there are aliens, they certainly would like to be left alone," she stated, before directing us to Leave Aliens Alone (LAA) community engagement initiative she founded and funds.

So what do YOU think? Dig through the data yourself, and let us know what you see.

Filter Search

Enter Date

Filter Table

Data	City	State	Country	Shape	Duration	Comments
1/1/2010	benton	ar	us	circle	5 mins.	4 bright green circles high in the sky going in circles then one bright green light at my front door.
1/1/2010	bonita	ca	us	light	13 minutes	Three bright red lights witnessed floating stationary over San Diego New Years Day 2010

