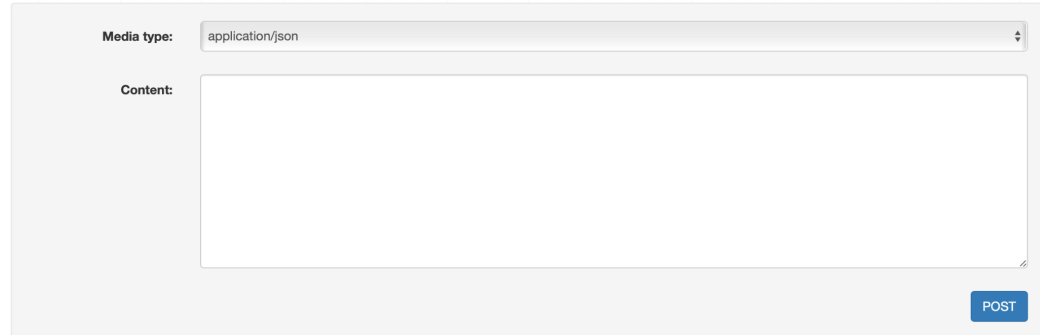


Additional Information

Uploading Data to the Database

Navigate to <http://127.0.0.1:8000/api/crimes>

Locate the following window on the page

A screenshot of a web form. At the top, there is a label "Media type:" followed by a dropdown menu showing "application/json". Below this is a label "Content:" followed by a large, empty text area for input. In the bottom right corner of the form, there is a blue button with the text "POST" in white.

Select “application/json” as your media type via the dropdown menu

Enter the datapoint information into the “Content” box in GeoJSON format. You may upload more than one data point at one time.

Click the “post” button and the data will be entered into the database to be mapped on the website.

You can find some starter data in the repository in the file titled

FormattedCrimeUploadData.json

Converting Data

If you want to convert your data from an Excel sheet to a geoJSON format you can use the converter that we created. This can be found in the GitHub as “Converter.py” under the main directory. There will be some changes that you will need to make for it to work. For example, once the Excel sheet is downloaded, you will need to change the name of the sheet in the code to the name of the sheet you created.

```
# read the Excel sheet
df = pd.read_excel('Rural Homicides 1600-1700.xlsx')
```

Also, while the format of the Excel sheet doesn't need to be in the exact same format, it does need to have the same names for the rows as the code, or else you will need to alter the code. These are the names that the code is searching for: "id, date, location, weapon, conviction, description, latitude, and longitude".

```
"id": row['id'],
"date": datetime.strptime(row["date"], '%m/%d/%Y').strftime('%Y-%m-%d'),
"location": row['location'],
"weapon": row['weapon'],
"conviction": row['conviction'],
"description": row['description'],
"coordinates": {
    "type": "Point",
    "coordinates": [row['latitude'], row['longitude']]
}
```