

# Scripts

Different types of scripts to extract data here and there.

- [Internet Archive Usage Data > CSV Python Script](#)
- [GraphQL Script to extract Author Affiliations from the Thoth Catalog](#)
- [GraphQL Script to Get Books Published per Year](#)

# Internet Archive Usage Data

## > CSV Python Script

```
import requests
import csv
```

Define the list of item IDs and the time period

```
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start_date = "2022-11-01"  
end_date = "2022-11-30"
```

```
# Create a list to hold the access data
```

```
access_list = []
```

```
# Iterate over the list of item IDs and retrieve the access data for each item
```

```
for item_id in item_ids:
```

```
    # Build the API call URL for the current item ID
```

```
    url = f"https://be-api.us.archive.org/views/v1/detail/item/{item_id}/{start_date}/{end_date}"
```

```
    # Make the API call and extract the relevant access data
```

```
    response = requests.get(url).json()
```

```
    access_data = response["counts_geo"]
```

```

# Add each count_kind in the access data to the list as a separate row
for count_data in access_data:
    count_kind = count_data["count_kind"]
    geo_country = count_data["geo_country"]
    sum_count_value = count_data["sum_count_value"]
    access_dict = {"start_date": start_date, "item_id": item_id, "count_kind": count_kind, "access":
sum_count_value, "country": geo_country}
    access_list.append(access_dict)

# Write the access data to a CSV file
filename = f"access_data_{start_date}.csv"
with open(filename, 'w', newline='') as file:
    writer = csv.writer(file)
    # Write the header row
    writer.writerow(["start_date", "item_id", "count_kind", "access", "country"])
    # Write the data rows
    for access_dict in access_list:
        access = access_dict.get("access")
        country = access_dict.get("country")
        writer.writerow([access_dict["start_date"], access_dict["item_id"], access_dict["count_kind"],
access, country])

```

# GraphQL Script to extract Author Affiliations from the Thoth Catalog

```
{ affiliations(publishers: ["9c41b13c-cecc-4f6a-a151-be4682915ef5"], limit: 9999) { institution { institutionName countryCode updatedAt } contribution { fullName contributionType contributor { orcid } work { title subtitle workType workStatus publicationDate landingPage updatedAtWithRelations} } } }
```

When you want these data for all publishers:

```
{ affiliations(limit: 9999) { institution { institutionName countryCode updatedAt } contribution { fullName contributionType contributor { orcid } work { title subtitle workType workStatus publicationDate landingPage updatedAtWithRelations} } } }
```

# GraphQL Script to Get Books Published per Year

```
{
  books(order: {field: PUBLICATION_DATE, direction: ASC}, publishers: ["9c41b13c-cecc-4f6a-a151-be4682915ef5"], limit: 9999, workStatus: ACTIVE) {
    fullTitle
    doi
    publicationDate
  }
}
```