

Script Library

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Internet Archive Usage Data Python Script

```
import requests
```

```
import csv
```

```
Define the list of item IDs and the time period
```

```
item_ids = [
```

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```
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"3dfb0d61-daba-406a-9e4a-d637de40e22d",
"5f5d5588-164b-42b1-88a2-1d81ed4bd1d7",
"909a04b1-26df-4737-a030-8c2d3d839ce2",
"d21c13a8-b5f0-4475-8de6-597cfcc93e24",
"98f725f3-5c51-480d-813e-56085fdbf405",
"811cf0f0-3c6c-4df6-ac02-4d5e762ed81c",
"95d8caf0-7e55-4cd9-ac52-0b9c88ec791d",
"08842315-3a11-4237-9acc-e833c484f8df",
"19e4330d-936c-4da2-99bd-c6c5e63961f1",
"f7d6c1d7-99a4-435d-a194-be4a21547ac2" ]
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  
  }  
}
```

DOI Extraction Script

```
import pdfplumber
import re
import csv
import os
from datetime import datetime

def extract_dois_from_pdf(pdf_path):
    """
    Extracts DOI numbers from the given PDF file and returns a list of DOIs.
    Removes the final period if it's part of the DOI.
    Fixes DOIs split across line breaks.
    """
    dois = []
    with pdfplumber.open(pdf_path) as pdf:
        for page in pdf.pages:
            # Extract text from the page
            text = page.extract_text()
            if text:
                # Step 1: Join the lines into a single block of text
                text = ' '.join(text.splitlines())

                # Step 2: Fix broken DOIs that split after a period (.) or a slash (/)
                # We look for a line break after a period or slash and then merge it with the next
                # part.
                text = re.sub(r'([\.\./])\s*(?=\d)', r'\1', text) # Merge split DOI after period
                # or slash

                # Step 3: Use regex to find DOI numbers
                doi_pattern = r'\b10\.\d{4,9}/[-._;()/:A-Z0-9]+(?:\b|\s|$)'
                found_dois = re.findall(doi_pattern, text, re.IGNORECASE)

                # Step 4: Remove the final period if it's part of the DOI
                cleaned_dois = [doi.rstrip('.') for doi in found_dois]
                dois.extend(cleaned_dois)

    return dois

def save_dois_to_csv(dois, pdf_path):
    """
    Save the extracted DOIs to a CSV file with consecutive numbering.
    The output file name contains the input PDF name and a timestamp.
    """
    # Get the base name of the input PDF file (without extension)
```

```
base_name = os.path.splitext(os.path.basename(pdf_path))[0]

# Get the current timestamp in the format YYYY-MM-DD_HH-MM-SS
timestamp = datetime.now().strftime('%Y-%m-%d_%H-%M-%S')

# Generate the output CSV file name
output_csv_path = f"{base_name}_{timestamp}_dois.csv"

with open(output_csv_path, mode='w', newline='', encoding='utf-8') as file:
    writer = csv.writer(file)
    # Write DOIs with consecutive numbering in the first column
    for idx, doi in enumerate(dois, start=1):
        # Prefix "https://doi.org/" to each DOI
        doi_url = f"https://doi.org/{doi}"
        writer.writerow([idx, doi_url]) # Write the index and the prefixed DOI

print(f"DOIs have been saved to {output_csv_path}")
return output_csv_path

def main():
    pdf_path = '0446.1.00.pdf' # Path to the input PDF file

    # Extract DOIs from PDF
    dois = extract_dois_from_pdf(pdf_path)

    if dois:
        print(f"Found {len(dois)} DOIs. Saving to CSV...")
        # Save the extracted DOIs to a CSV file
        save_dois_to_csv(dois, pdf_path)
    else:
        print("No DOIs found in the PDF.")

if __name__ == "__main__":
    main()
```

DOI Upload Script

```
import thothlibrary
import csv

# Authenticate with Thoth using personal access token
thoth = thothlibrary.ThothClient()
thoth.set_token("XXX") // token is personal!

# Define the work_id (this should be specific to the work you're uploading references for)
work_id = "08842315-3a11-4237-9acc-e833c484f8df" # Replace with the actual work_id

# Path to your CSV file containing the DOI data
csv_file_path = "260213kayfabenation-print_dois.csv" # Replace with your CSV file path

# Read and process the CSV file
with open(csv_file_path, mode='r', newline='', encoding='utf-8') as file:
    reader = csv.reader(file)

    for row in reader:
        if row: # Ensure the row is not empty
            reference_ordinal = row[0] # First column: reference ordinal
            doi = row[1] # Second column: DOI

            # Construct the reference dictionary
            reference = {
                "workId": work_id,
                "referenceOrdinal": reference_ordinal,
                "doi": doi,
                "unstructuredCitation": None,
                "issn": None,
                "isbn": None,
                "journalTitle": None,
                "articleTitle": None,
                "seriesTitle": None,
                "volumeTitle": None,
                "edition": None,
                "author": None,
                "volume": None,
                "issue": None,
                "firstPage": None,
                "componentNumber": None,
                "standardDesignator": None,
```

```
"standardsBodyName": None,  
"standardsBodyAcronym": None,  
"url": None,  
"publicationDate": None,  
"retrievalDate": None,  
}
```

```
# Upload the reference to Thoth and get the reference ID  
reference_id = thoth.create_reference(reference)  
print(f"Reference ID for DOI {doi}: {reference_id}")
```