

JULIAN P. KANTER POLITICAL COMMERCIAL
COLLECTION

ABOUT THE COLLECTION

The Julian P. Kanter Political Commercial Collection is recognized internationally as a major source for political research and is one of the major sources for political commercials in the world.

ABOUT THE COLLECTION

Through the collection of television and radio political advertisements, film, social media, and other sources, the archive seeks to expand the knowledge and understanding of political communications, and the growth and changes in this field across the most significant and prolific era in world history.

ABOUT THE COLLECTION

**Currently the Collection accounts for well over
120,000 political ads with thousands of un-
accessioned items.**

DWIGHT D. EISENHOWER
[REPUBLICAN] 1952
CAMPAIGN AD
"YOU LIKE IKE - I LIKE IKE"



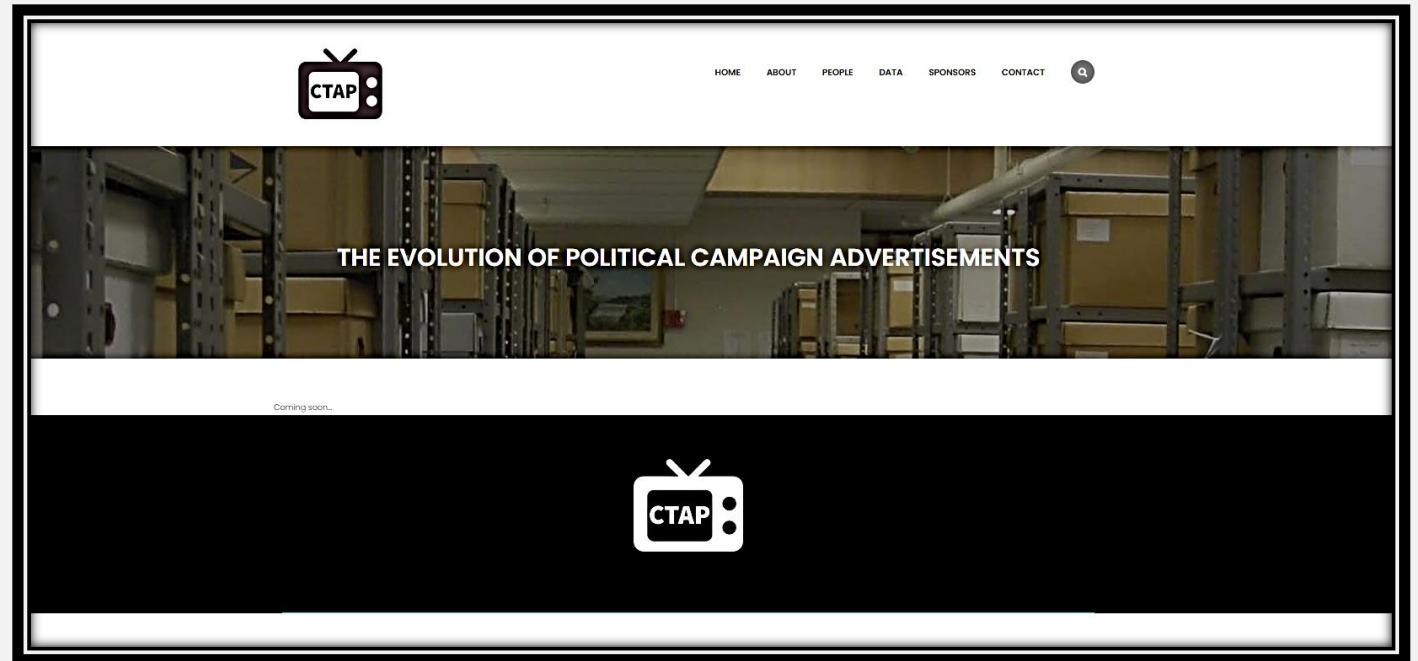
ADLAI STEVENSON [D-IL]
1956 CAMPAIGN AD
"CAUGHT IN A SQUEEZE?"



SHIRLEY CHISHOLM
1972 RADIO AD
"WOMEN IN POLITICS"



**"UNDERSTANDING THE
EVOLUTION OF POLITICAL
CAMPAIGN ADVERTISEMENTS
OVER THE LAST CENTURY"**



The collaboration with the NSF has led to the creation of the "Campaign Television Advertisement Project" website, which will be curated by Bryce Dietrich from Purdue University to host relevant content.

THE PROJECT'S THREE SPECIFIC AIMS:

1. **Make a large underutilized collection of over 120,000 political ads (1912-2018) currently housed at the Carl Albert Center suitable for academic and non-academic research.**
2. Understand the evolution of political advertising, especially as it pertains to issue advocacy and gender/minority representations prior to 1996.
3. Promote interdisciplinary graduate and undergraduate education in audiovisual analysis at research and teaching institutions.

THE CENTERS' TASK FOCUSED ON THE FIRST AIM

Provide reliable content for collaborator analysis.

QUICK BACKGROUND AND RELATIONSHIP WITH COLLECTION



The Collection holds 11 series:	Political parties which include:	Analog formats include:
Ballots and Issues	Communist	¾" Videotape
City and County Offices	Conservative	1" Videotape
Governor Offices	Democratic	16 mm Film
International Offices	Grassroots	8 mm Film
Lieutenant Governor Offices	Green	2" Videotape
State House Offices	Independent	Beta Max and SP Videotape
State Senate Offices	Libertarian	DVD – Optical Disc
US House Offices	Republican	CD – Optical Disc
US President Office	Socialist	Mini-DV
US Senate Offices	Other	U-Matic Videotape
Other Offices and Campaigns		VHS Videotape
		Magnetic Tape (Audio)
		Vinyl Phonographs
		Cassette Tapes (Audio)
		Variety of Born Digital Formats

EXPECTATIONS AND ASSUMPTIONS

HEADINGS

The Collection holds several series and hundreds of sub-series

Broad Headings	Example of Expanded Headings
Ballots and Issues	Ballots and Issues: City, County, State, National, etc..
City and County Offices	Mayor, County Assessor, Hospital, Alderman, +87 additional
Education Offices	State Board of Education, State Superintendent, School Board, +20 additional
Law Enforcement Offices	Sherriff, Under Sheriff, District Attorney, City Attorney, etc...
Other Offices and Campaigns	State Controller, Land Commissioner, Secretary of State, +29 additional
International Offices	Premier-West Germany, Bundeskanzler, Prime Minister, etc...

The Collection represents various political parties which include (partial):

Alaskan Independence Party	Grassroots Party	Other
Alliance Party	Green Party	Patriot Party
American Independent Party	Green Party of Alaska	People's Party of Florida
Christian Democratic Union	Green Party of Rhode Island	Progressive
Christian Pro-Life Party	Independence Party of Minnesota	Progressive Labor Party
Citizens Party	Independent	Reform Party
Communist Party	Independent Party of Delaware	Republican
Concerned Citizens Party	Independent Party of Oregon	Socialist Party
Conservative	Labor Party	United Citizens Party
Conservative Party of Delaware	Liberal Party	Vermont Progressive Party
Conservative Party of New York State	Liberal Party of Delaware	Working Families Party
Constitution Party	Libertarian	
Democratic	National Socialist Movement	
Democratic Socialists of America	Natural Law	

ONGOING COLLECTION ANALYSIS

EXISTING COLLECTION FORMATS

Analog formats include:

¾" Videotape

U-Matic Videotape

1" Videotape

VHS Videotape

16 mm Film

Magnetic Tape (Audio)

8 mm Film

Vinyl Phonographs

2" Videotape

Cassette Tapes (Audio)

Beta Max and SP Videotape

Variety of Born Digital Formats

DVD – Optical Disc

Mini-DV

CD – Optical Disc



ORIGINAL
ARRANGEMENT

TAPE INVENTORY DESCRIPTION						
TAPE ID#	V1730		FORMAT	2"		
OFFICE SOUGHT			STATE	Wisconsin		
CANDIDATE'S NAME	Abrahamsen		PARTY AFFILIATION			
ELECTION (primary, general)	RESULTS		AD AGENCY			
DATE TAPE RECEIVED			RECEIVED FROM			
TAPE DIMENSIONS	TIMER NUMBER	COMMERCIAL LENGTH	SLATE ID NUMBER	DATE	COMMERCIAL TITLE	DESCRIPTION
6 ¹ / ₂ "		30"		3/21	Endorsement Chambers	

ARRANGEMENT AND ORIGINAL ORDER

1978 - First compiled evidence of inventory was recorded by hand and transferred to standardized form in 1985.

CATALOG OF THE ARCHIVAL COLLECTIONS

ABBITT, Watkins Moorman, 1908- . 1 film reel (16 mm). 24207556.

Collection contains 2 television commercials used during Watt Abbitt's 1970 U.S. congressional campaign for District 4 of Virginia. (Democratic Party).

ABDNOR, James. 7 videocassettes (3/4 in.). 28787902.

Collection contains 46 television commercials used during Abdnor's 1980 and 1986 U.S. senatorial campaigns in South Dakota. (Republican Party).

ABERCROMBIE, Neil, 1938- . 1 videoreel (1 in.). 2 videocassettes (3/4 in.). 31188621.

Collection contains 7 television commercials from Abercrombie's campaigns for the 1982 state senatorial election in District 16 and the 1986 and 1994 U.S. congressional elections in District 1 of Hawaii. (Democratic Party).

ABNEY, Pat. 1 videocassette (3/4 in.). 31638543.

Collection contains 3 television commercials used during Abney's 1988 campaign for State House in Alaska. (Democratic Party).

ABOUREZK, James. 2 film reels (16 mm). 21368899.

Collection contains 18 television commercials used during Abourezk's campaign for the 1972 U.S. Senate in South Dakota. (Democratic Party).

ABRAHAM, E. Spencer, 1952- . 5 videocassettes (3/4 in.). 35018462.

Collection contains 22 television and 17 radio commercials used during Abraham's 1994 campaign for U.S. Senate in Michigan. (Republican Party).

ABRAHAMSON, Shirley S. (Shirley Schlanger), 1933- . 1 videoreel (2 in.). 29997543.

Collection contains 1 television commercial used during Abrahamson's 1979 campaign for State Supreme Court in Wisconsin.

ABRAMS, Robert, 1938- . 2 videoreels (2 in.). 10 videoreels (1 in.). 5 videocassettes (3/4 in.). 5 sound tape

ARRANGEMENT AND ORIGINAL ORDER

1990 - A comprehensive catalog created in 1990 documented by original order with the addition of OCLC number.

A Candidates

LNAME	FNAME	EY	OFF	ST	PT	TITLE	LC	ID.
Abraham	Spence (E. Spencer)	1994	USS	MI	R	[Riegle and Carr]	2	59609
Abraham	Spence (E. Spencer)	1994	USS	MI	R	[Romney - Hillegons]	2	59607
Abraham	Spence (E. Spencer)	1994	USS	MI	R	[Romney - Hillegons]	2	59606
Abraham	Spence (E. Spencer)	1994	USS	MI	R	[Romney - Hillegons]	2	59605
Abraham	Spence (E. Spencer)	1994	USS	MI	R	[Young Father]	2	59650
Abraham	Spence (E. Spencer)	1994	USS	MI	R	18 Years	2	59731
Abraham	Spence (E. Spencer)	1994	USS	MI	R	18 Years	2	94574
Abraham	Spence (E. Spencer)	1994	USS	MI	R	Air King	2	59738
Abraham	Spence (E. Spencer)	1994	USS	MI	R	Ask Bill	2	59470
Abraham	Spence (E. Spencer)	1994	USS	MI	R	Ask Bill Conservative	2	59649
Abraham	Spence (E. Spencer)	1994	USS	MI	R	Eddie	2	59648
Abraham	Spence (E. Spencer)	1994	USS	MI	R	Eddie	2	61604
Abraham	Spence (E. Spencer)	1994	USS	MI	R	Eddie - NRSC Father	2	59651
Abraham	Spence (E. Spencer)	1994	USS	MI	R	Father	2	59732
Abraham	Spence (E. Spencer)	1994	USS	MI	R	Gray	3	59625
Abraham	Spence (E. Spencer)	1994	USS	MI	R	Guts	2	61602
Abraham	Spence (E. Spencer)	1994	USS	MI	R	Guts	2	59652
Abraham	Spence (E. Spencer)	1994	USS	MI	R	Jane - NRSC	2	61603
Abraham	Spence (E. Spencer)	1994	USS	MI	R	Jane Abraham Jane--	2	59735
Abraham	Spence (E. Spencer)	1994	USS	MI	R	NRSC	2	61601
Abrahamson	Shirley (Shirley Schlanger)	1979	SCT	WI	-	Endorsement Button :	2	13216

ARRANGEMENT AND
ORIGINAL ORDER

**2003 – In 2003 an updated
Collection catalog
accounted for 70,000 items**

ARRANGEMENT AND ORIGINAL ORDER

2014 – In 2014 the Political Communications Center received a grant from NEH to ‘digitize’ the moving image formats, creating a new catalog and more comprehensive finding aid for the collection.

NID	PCOPY_NO_OID	PCA_ID	DATE	ELECTION_FORMAT	LENGTH	FIRST_NAME	LAST_NAME	TITLE	PARTY	STATE	OFFICE	GENDER	SUMMARY	
45307	250	13216	V01730	1979-01-01:1979	2"	00:30:00	Shirley Schlanger	Abrahamson	Endorsement	Other	Wisconsin	Judicial	Female	v/o newspapers trying to Offices and Issue Campaigns keep Shirley Abrahamson on Supreme Court, qualified, farm, business, labor leader support, law enforcement

QUICK RECAP

-
- Original arrangement was **alphabetical according to the candidate's name** with two parts, (1) an entry line with name, physical format; and (2) a brief description of the candidate, a list of items related to the candidate, and where possible the political party and specific election year
- 1978**
- Catalog created in 1990 documented by original order with **the addition of OCLC access number**
- 1990**
- Updated Collection catalog created in 2003 represented by three parts **(1) candidate's last name, (2) election year, office, party, and (3) title, length of commercial, and 'new' identification number**
- 2003**
- 2019, metadata included more **comprehensive information from previous catalogs** with additional elements compiling identification numbers from previous catalogs and the addition of a heading titled '**P_COPY**'.
-

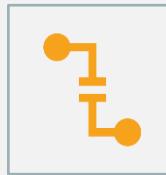
QUICK COUNT RECAP

1985	<ul style="list-style-type: none">• 25,000 ads – original collection presidential with groups of both congressional and gubernatorial ads between the years 1952-1956
1996	<ul style="list-style-type: none">• 56,000 ads – continued collection growth – presidential, congressional, gubernatorial - expanded to include broader range of offices
2003	<ul style="list-style-type: none">• 70,000 ads – continued collection growth (first account of +10,000 ‘unprocessed’ ads)
2009	<ul style="list-style-type: none">• 90,000 ads – steady collection increase with second report of an additional 40-100 boxes that had not been “opened” (this could potentially account for tens of thousands of ads)
2012	<ul style="list-style-type: none">• 125,000 (110,000-125,000) ads – documentation found in the collection notes and university publications accounts for a range of 110,000 – 125,000 ads in the collection with various notes of ‘significant transition from collecting ‘physical’ materials to collecting ads as they are posted on the Internet or from other born-digital sources)
2019	<ul style="list-style-type: none">• 119,000 ads – deduced from 2019 Center counts from hundreds of partial inventories and catalogs (this doe NOT account for items not processed or cataloged)
2023	<ul style="list-style-type: none">• 123,000 unique ads AND over 108,000 un-accessioned ads (estimated combined born-digital and analog)

LOCATION OF FILES



27 individual computer drives (MAC and PC)



8 antiquated 'servers' containing 4, 8, 12 drives



Multiple cloud platforms (with various log-in)



71 external hard drives-multiple generations



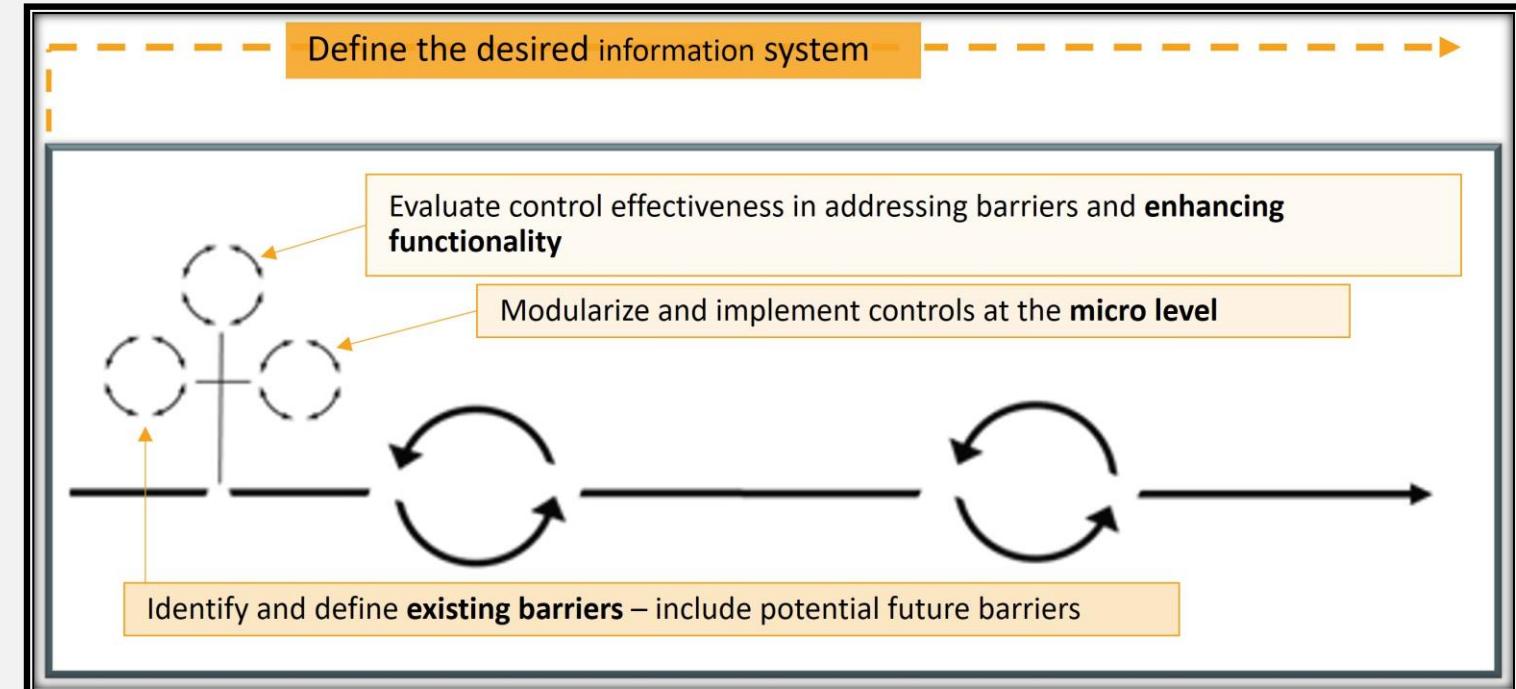
Intra- and Internet databases

(RE)PROCESSING – LINEAR RECIPROCITY MODEL

LINEAR RECIPROCITY MODEL

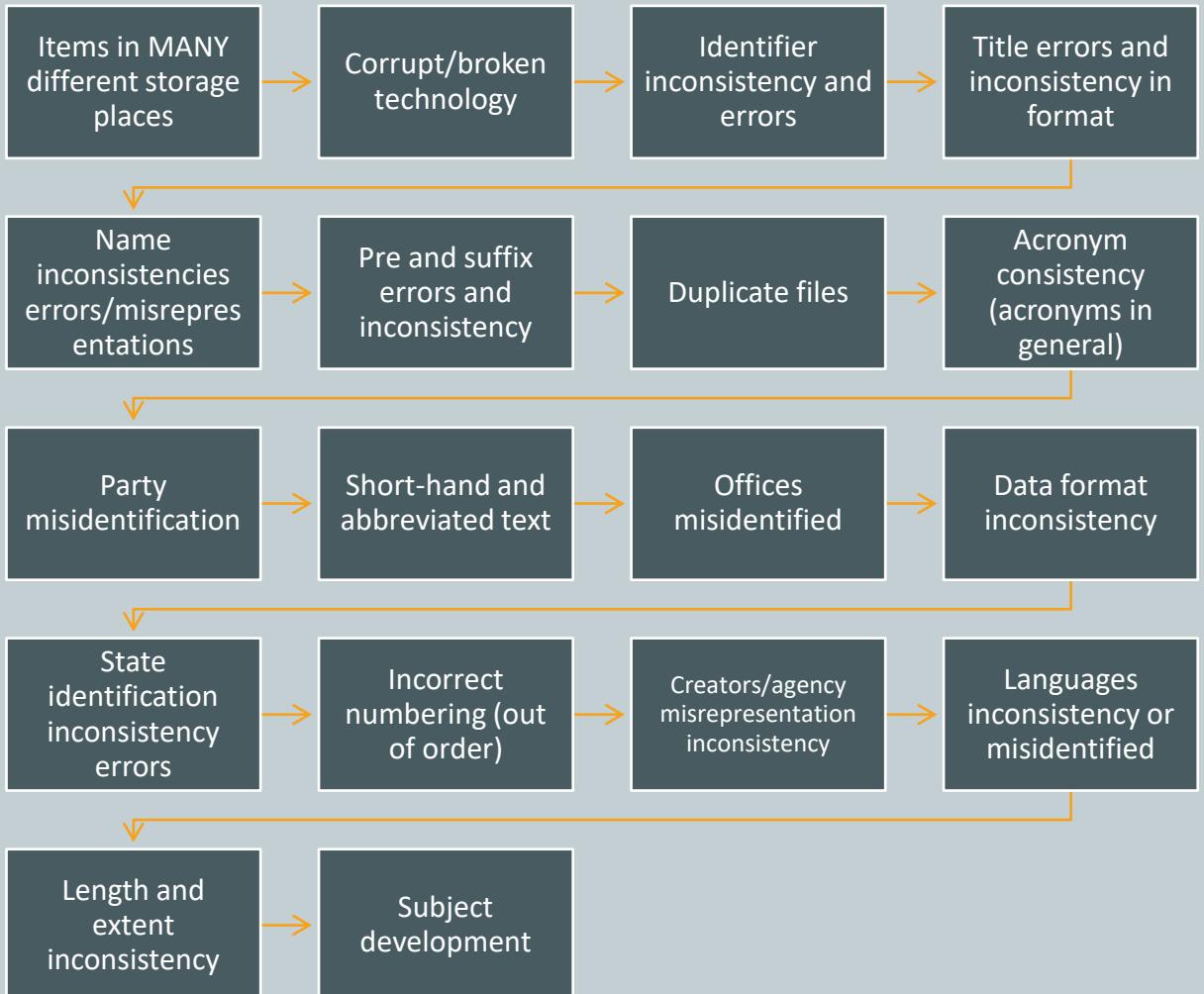
1. Define the desired information system
2. Identify and define existing barriers, including potential future barriers
3. Identify and define system control mechanisms required to create #1
4. Modularize and implement controls at the micro level to regulate and monitor individual components, processes, and interactions
5. Test controls at each micro level

#1

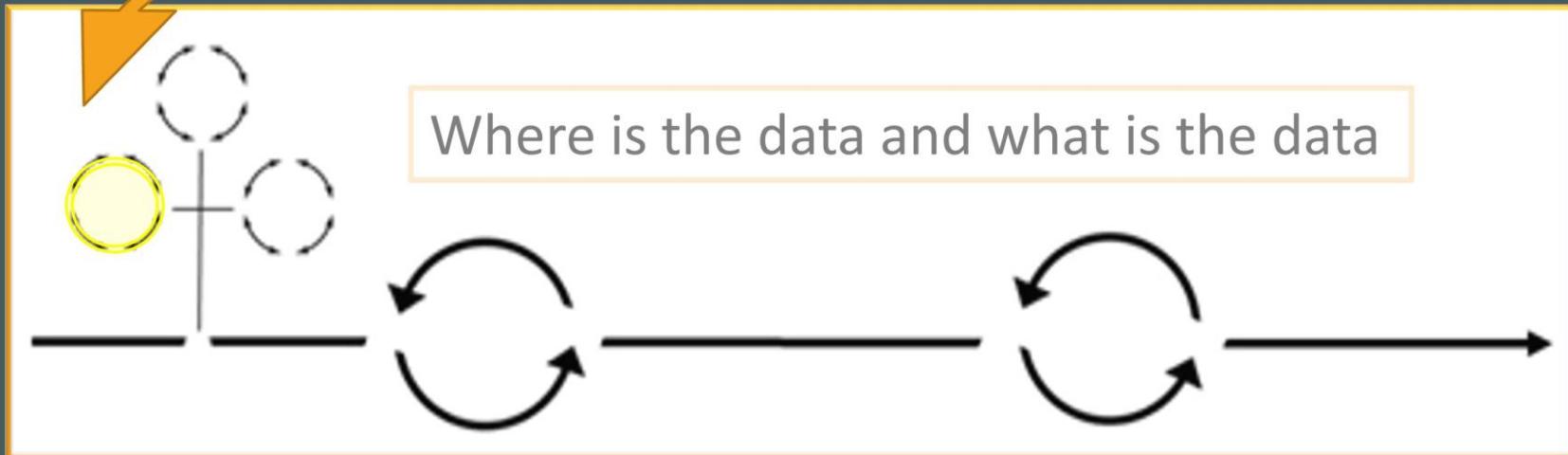


#2

INITIAL ANALYSIS— OBVIOUS BARRIERS

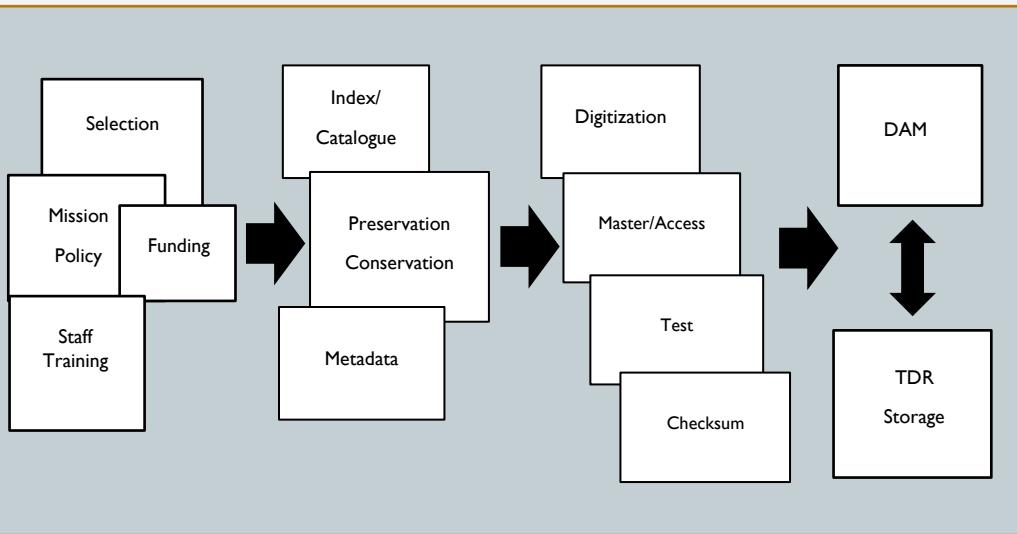


Identification of information

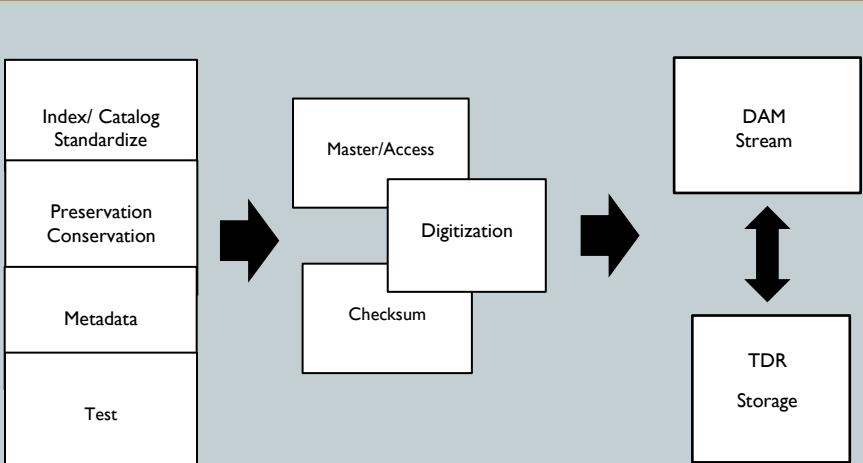


LINEAR RECIPROCITY WORKFLOW

Existing System



Collection Integration



INFORMATION SYSTEM

- Integrate this new collection into the existing archival information system by:
 - Mapping the data from the new collection to align with the established system's data model
 - Applying archival workflow standards and product

#3

HOUSE				JUDICIAL				SENATE				
NAME	STATE	PARTY	ICPSR	STATE	ICPSR	PARY	CODE	NAME	STATE	PARTY	ICPSR	STAT
Abbitt, Watkins Moorman	Virginia	Democratic	2	40	100			Aaron, Ann Marie	Texas	Other		
Abbott, James W. (Jim)	South Dakota	Democratic						Abrahamsen, Shirley (Shirley Schlanger)	Wisconsin	Other		
Aboud, Robert	Illinois	Democratic						Abramson, Lisabeth Hughes (Lisa)	Kentucky	Other		
Abercrombie, Neil	Hawaii	Democratic	15245	82	100			Ackerson, Jon W.	Kentucky	Republican		
Abronson, Linda (Linda Elowich)	Maine	Democratic						Addison, Billy	Alabama	Other		
Alt, Clark	Massachusetts	Republican						Addison, Liz	Alabama	Other		
Abzug, Bella Savitsky	New York	Democratic						Adkisson, Tommy	Texas	Democratic		
Ackerman, Gary L.	New York	Democratic						Agostinelli, Robert	Illinois	Other		
Adams, Kirk	Arizona	Republican						Agricola, Al	Alabama	Other		
Adelman, Lynn S.	Wisconsin	Democratic						Akaka, Daniel Kahikina (Dan)	Hawaii	Democratic	14400	82
Aden, Kenneth Lee	Arkansas	Democratic						Akers, Paul	Washington	Other		
Aderholt, Robert	Alabama	Republican	29701	41	200			Akin, Todd	Missouri	Republican		
Adkins, Bill	Kentucky	Republican						Alexander, Andrew Lamar	Tennessee	Republican	40304	54
Adkisson, David C.	Kentucky	Democratic						Allison, Gary D.	Washington	Other	29108	62
Adler, John	New Jersey	Democratic						Allison, Joan B.	Washington	Other		
Aguirre, Michael (Michael Jules)	California	Democratic						Allmon, R.P.	Alabama	Other		
Alaka, Daniel Kahikina (Dan)	Hawaii	Democratic						Ambrose, Marcus	Other	Other		
Akin, Todd	Missouri	Republican						Anderson, Claudia	Illinois	Republican		
Alben, Alex	Washington	Democratic						Anderson, Mark	Alabama	Republican		
Albosta, Donald Joseph (Don)	Michigan	Democratic						Anderson, Richard	Louisiana	Other		
Alexander, Paul	Illinois	Democratic						Angelini, Karen Burkhardt	Texas	Other		
Alexander, Rodney	Louisiana	Democratic	20327	45	100			Appleton, Tom	Colorado	Democratic		
Allard, A. Wayne	Colorado	Republican	29108	62	200			Arbogast, Dan	Illinois	Other		
Allegretti, Michael	New York	Republican						Arbour, Jerry	Louisiana	Republican		
Allegretti, Michael	New York	Republican						Archer, Dennis Wayne	Michigan	Democratic		
Allegretti, Michael	New York	Republican						Angle, Sharroo	Nevada	Republican		
Allegretti, Michael	New York	Republican						Anthony, Bob	Oklahoma	Republican		
Allegretti, Michael	New York	Republican						Arnold, Robert	Kansas	Democratic		
Allegretti, Michael	New York	Republican						Armstrong, William Lester	Colorado	Republican	14002	62
Allegretti, Michael	New York	Republican						Ashbrook, John Milian	Ohio	Republican		
Allegretti, Michael	New York	Republican						Ashcroft, John David	Missouri	Republican	49501	34
Allen, George Felix	Virginia	Republican						Bacarisse, Charles	Texas	Other		
Allen, George Felix	Virginia	Republican						Ashe, Victor Henderson	Tennessee	Republican		
Allen, Thomas H. (Tom)	Maine	Democratic						AuCoin, Les	Oregon	Democratic		
Allen, Tom	Maryland	Democratic										
Aligier, Cal	Michigan	Republican										
Aligier, Cal	Michigan	Republican										

COMMUNICATION_TYPE	PROGRAM_TYPE	FORMAT	AGENCIES	POLITICAL_ACTION_COMMITTEE	ROLE	NATION	PARTY	STATE	OFFICE-GENERAL	OFFICE-SPECIFIC	GENDER
Positive	Interview	1/2" videotape	13 Productions	Brennan for Attorney General	Candidate	United States of America	Alaskan Independence Party	Alabama	Attorney General Office & 5th Representative		male
Positive	Image	Commercial	15 East Productions	60 Plus Association	Featured	Germany	Aliance Party	Alaska	Ballot measures, Proposals, Agricultural Commissioner		female
Positive	Issue	2" videotape	15 Minute TV	Adrian Smith for Congress	Opponent	Russia	American Independent Party	Arizona	City and County Offices and Assemblymen		non-binary
Negative	Speech	3/4" videotape	16 Creative Services	AFL-CIO American Federation of Labor and Congress of Industrial Org	Opponent	USA	Christian Democratic Union	Arkansas	Education Offices and Issue Auditor General		unknown
Negative	Image	8mm film	3 Eye Marketing	AFSCME People (American Federation of State, County and Municipal Mexico	Opponent	Mexico	Christian Pro-Life Party	California	Financial Offices and Issue Auditor of Accounts		
Negative	Issue	16mm film	35 Park Studio and Post	Alabama Democratic Party	Opponent	Ireland	Citizens Party	Colorado	Governors Offices and Issue Board of Regents		
Neutral	Videotape	35mm film	3 Star Video	Alabama Democratic Party	Opponent	United Kingdom	Communist Party	Connecticut	International Offices and I/Chair of the Senate Small Business Committee		
Undetermined	Video	40 mm production	Alaska State Citizens Committee	Alaska State Citizens Party	Opponent	United States	Democrat	Connecticut	Local Government Committees		
	DVD - Optical Media	7 Productions	Alaska Republican Party	Alaska Republican Party	Opponent	Israel	Conservative	Florida	Law Enforcement Offices at Circuit court of judges		
	Digital Download (Internet)	8th District Media	Alaskans Standing Together	Alaska Governor's Office	Clerk of Court	Iran	Conservative Party of Delta Georgia	Iowa	Lieutenant Governor/Clerk of Court		
	Digital Download (live capture)	99% Bay-Media Production	Alex Sink For Congress	Alaska House Representative	Clerk of Court	Iraq	Conservative Party of New Y-Hawaii	Idaho	State House Representative/Clerk of Courts		
	Betacam SP videotape	A. Meyerhoff Assoc.	Alliance For A Better Minnesota	Alliance For Quality Nursing Home Care	Opponent	Illinois	Constitution Party	Illinois	State Senate Offices and IS Commissioner of Labor		
		A.L.N. Productions	American Action Network Inc	American Action Network Inc	Opponent	Indiana	Democratic Socialists of Am Indiana	Illinois	United States House of Rep Comissioner		
		Acberman McQueen	American Family Voices	American Family Voices	Opponent	Illinois	Democratic Socialists of America	Illinois	United States Senate Office Commissioner		
		Adams	American Family Voices and Public Campaign Action Fund	American Family Voices and Public Campaign Action Fund	Opponent	Illinois	Democratic Socialists of America	Illinois	United States House of Rep Comissioner		
		Adkins and Associates	American Federation of State, County and Municipal Employees	American Federation of State, County and Municipal Employees	Opponent	Illinois	Democratic Socialists of America	Illinois	United States House of Rep Comissioner		
		Admire, Inc.	American For Prosperity	American For Prosperity	Opponent	Illinois	Democratic Socialists of America	Illinois	United States House of Rep Comissioner		
		Ademco Broadcast Services	American Health Care Association	American Health Care Association	Opponent	Illinois	Democratic Socialists of America	Illinois	United States House of Rep Comissioner		
		Ad-Ventures	American Medical Association Political Action Committee	American Medical Association Political Action Committee (AMPAAC)	Opponent	Illinois	Democratic Socialists of America	Illinois	United States House of Rep Comissioner		
		Advertising Design Services	American Medical Association Political Action Committee (AMPAAC)	American Medical Association Political Action Committee (AMPAAC)	Opponent	Illinois	Democratic Socialists of America	Illinois	United States House of Rep Comissioner		
		Agencia Creative	American Principles Fund	American Principles Fund	Opponent	Illinois	Democratic Socialists of America	Illinois	United States House of Rep Comissioner		
		Agape Group Inc.	American Tax Reform Foundation	American Tax Reform Foundation	Opponent	Illinois	Democratic Socialists of America	Illinois	United States House of Rep Comissioner		
		Alles Communications, Inc.	American Taxpayers Alliance	American Taxpayers Alliance	Opponent	Illinois	Democratic Socialists of America	Illinois	United States House of Rep Comissioner		
		Al-Mobeen Productions	American Value Project	American Value Project	Opponent	Illinois	Democratic Socialists of America	Illinois	United States House of Rep Comissioner		
		Airwave Productions	American Way Project	American Way Project	Opponent	Illinois	Democratic Socialists of America	Illinois	United States House of Rep Comissioner		
		Alaris	America's Future	America's Future	Opponent	Illinois	Democratic Socialists of America	Illinois	United States House of Rep Comissioner		
		Alis Services	Americans for Conservation	Americans for Conservation	Opponent	Illinois	Democratic Socialists of America	Illinois	United States House of Rep Comissioner		
		AMP Message and Media	Americans For Job Security	Americans For Job Security	Opponent	Illinois	Democratic Socialists of America	Illinois	United States House of Rep Comissioner		
		Alan Frank	Americans for Limited Terms	Americans for Limited Terms	Opponent	Illinois	Democratic Socialists of America	Illinois	United States House of Rep Comissioner		
		Alaska Video Productions	Americans for Prosperity	Americans for Prosperity	Opponent	Illinois	Democratic Socialists of America	Illinois	United States House of Rep Comissioner		
		Albaugh and Associates	Americans for Prosperity-Florida	Americans for Prosperity-Florida	Opponent	Illinois	Democratic Socialists of America	Illinois	United States House of Rep Comissioner		
		Albuquerque Media	Americans For Tax Reform Education	Americans For Tax Reform Education	Opponent	Illinois	Democratic Socialists of America	Illinois	United States House of Rep Comissioner		
		Aldrich Communications, Inc.	Americans For Tax Reform Foundation	Americans For Tax Reform Foundation	Opponent	Illinois	Democratic Socialists of America	Illinois	United States House of Rep Comissioner		
		Alfone Productions	Americans United For Change	Americans United For Change	Opponent	Illinois	Democratic Socialists of America	Illinois	United States House of Rep Comissioner		
		Aifang, Fremont and Smith	Americans United to Preserve Marriage	Americans United to Preserve Marriage	Opponent	Illinois	Democratic Socialists of America	Illinois	United States House of Rep Comissioner		
		All American Advertising	America's Agenda: Health Care For Kids	America's Agenda: Health Care For Kids	Opponent	Illinois	Democratic Socialists of America	Illinois	United States House of Rep Comissioner		
		All Points Communications	Amodel for Nevada	Amodel for Nevada	Opponent	Illinois	Democratic Socialists of America	Illinois	United States House of Rep Comissioner		
		Allan B. Crow and Associates	AMPAC	AMPAC	Opponent	Illinois	Democratic Socialists of America	Illinois	United States House of Rep Comissioner		

INITIAL CONTROL ELEMENTS

Data aggregation: Consolidate large volumes of diverse data from multiple sources into a unified dataset.

A screenshot of the PyCharm IDE interface. The top navigation bar shows 'pythonProject1' and 'Version control'. The left sidebar lists files: '1.multi-type-hand-excel-20230615.py', 'clean.py', 'Loc_sum_test_1.py', 'multisync.py', and 'multipsync_V3.py'. The main code editor window displays Python code for reading AWS credentials from a file and extracting data from an Excel file using the openpyxl library. The bottom status bar shows the path 'C:\Users\user\Desktop\TEXTTRACT TEST FOLDER\V4 > V4 > multisync.py' and the message 'Process finished with exit code 0'.

```
1 import boto3
2 import os
3 import re
4 import textwrap
5 import textx
6 from PIL import Image
7 import pyteseract
8 import pandas as pd
9 import requests
10 from openpyxl import Workbook
11 import time
12 import pandas as pd
13
14 # Read AWS credentials and S3 bucket name from credentials.txt file
15 with open('credentials.txt', 'r') as file:
16     credentials = file.readlines()
17
18 aws_access_key_id = None
19 aws_secret_access_key = None
20 s3_bucket_name = None
21
22 for line in credentials:
23
24     if aws_access_key_id is None or aws_secret_access_key is None or s3_bucket_name is None:
25         raise ValueError("Invalid credentials in credentials.txt file")
26
27
28 # AWS region
29 aws_region = "us-east-1" # Replace with your desired region
30
31 # Amazon Texttract client
32 texttract = boto3.client("texttract", region_name=aws_region)
33
34 # Create an S3 client
35 s3_client = boto3.client("s3", region_name=aws_region)
36
37 # Initialize NLTK
38 nltk.download('punkt')
39 nltk.download('stopwords')
40
41 # Initialize SpellChecker
42 spell = SpellChecker()
43
44 # Retrieve the list of objects in the S3 bucket
45 response = s3_client.list_objects_v2(Bucket=s3_bucket_name)
```

INITIAL CONTROL ELEMENTS

Data integration: Combine data from disparate sources into a **coherent format**

A screenshot of the PyCharm IDE interface. The top navigation bar shows 'pythonProject1' and 'Version control'. The left sidebar lists files: '1.multi-type-hand-excel-20230615.py', 'clean.py', 'Loc_sum_test_1.py', 'multisync.py', and 'multipsync_V3.py'. The main code editor window displays Python code for reading AWS credentials from a file and extracting data from an Excel file using the openpyxl library. The bottom status bar shows the path 'C:\Users\user\Desktop\TEXTTRACT TEST FOLDER\V4 > V4 > multisync.py' and the message 'Process finished with exit code 0'.

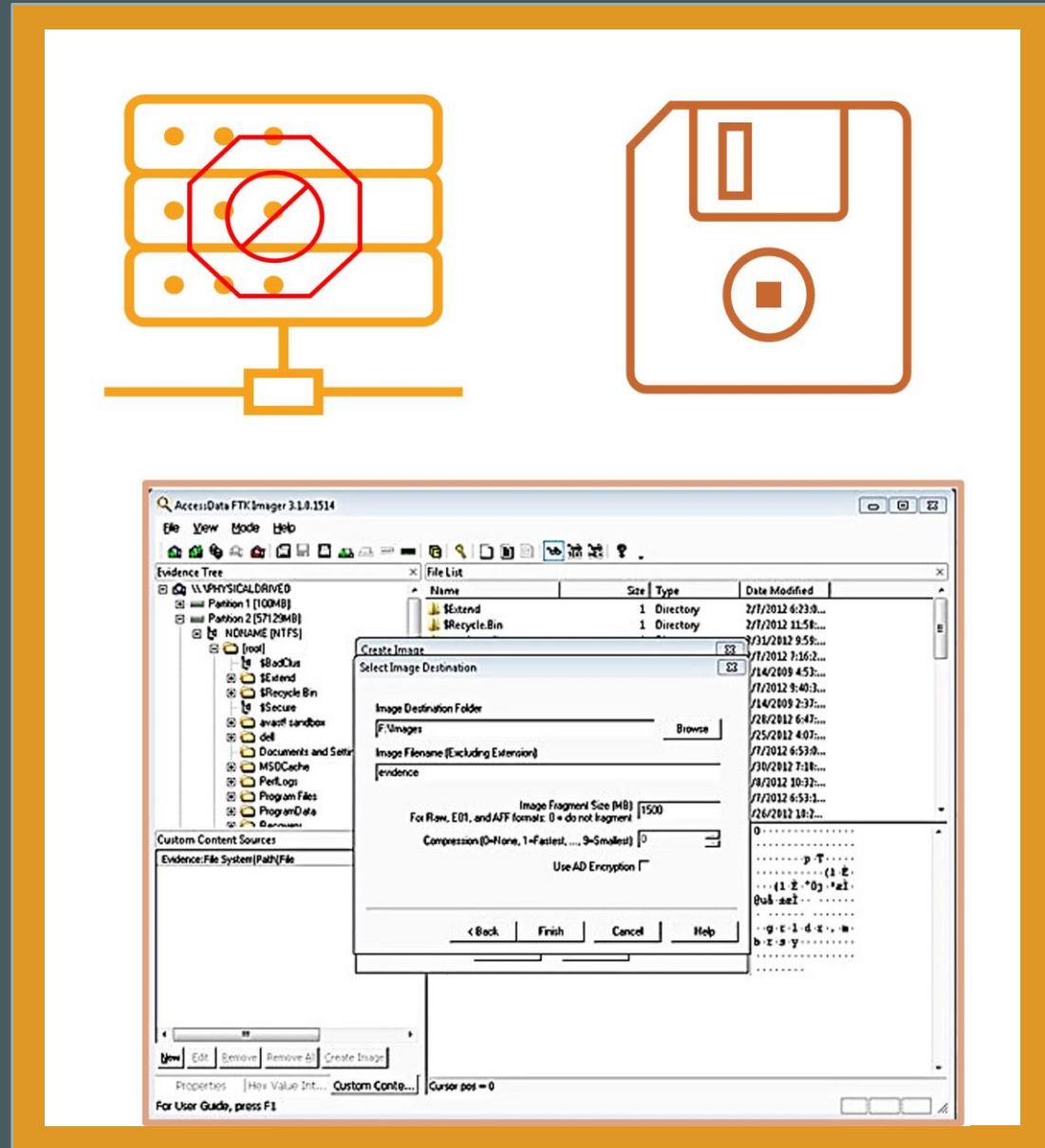
```
1 import boto3
2 import os
3 import re
4 import textwrap
5 import textx
6 from PIL import Image
7 import pyteseract
8 import pandas as pd
9 import requests
10 from openpyxl import Workbook
11 import time
12 import pandas as pd
13
14 # Read AWS credentials and S3 bucket name from credentials.txt file
15 with open('credentials.txt', 'r') as file:
16     credentials = file.readlines()
17
18 aws_access_key_id = None
19 aws_secret_access_key = None
20 s3_bucket_name = None
21
22 for line in credentials:
23
24     if line.startswith("AWS_ACCESS_KEY_ID="):
25         aws_access_key_id = line.split("=")[1].strip()
26     elif line.startswith("AWS_SECRET_ACCESS_KEY="):
27         aws_secret_access_key = line.split("=")[1].strip()
28     elif line.startswith("S3_BUCKET_NAME="):
29         s3_bucket_name = line.split("=")[1].strip()
30
31 if aws_access_key_id is None or aws_secret_access_key is None or s3_bucket_name is None:
32     raise ValueError("Invalid credentials in credentials.txt file")
33
34 # AWS region
35 aws_region = "us-east-1" # Replace with your desired region
36
37 # Amazon Texttract client
38 texttract = boto3.client("texttract", region_name=aws_region)
39
40 # Create an S3 client
41 s3_client = boto3.client("s3", region_name=aws_region)
42
43 # Initialize NLTK
44 nltk.download('punkt')
45 nltk.download('stopwords')
46
47 # Initialize SpellChecker
48 spell = SpellChecker()
49
50 # Retrieve the list of objects in the S3 bucket
51 response = s3_client.list_objects_v2(Bucket=s3_bucket_name)
```



Data warehousing: Create a central repository.

INITIAL CONTROL ELEMENTS

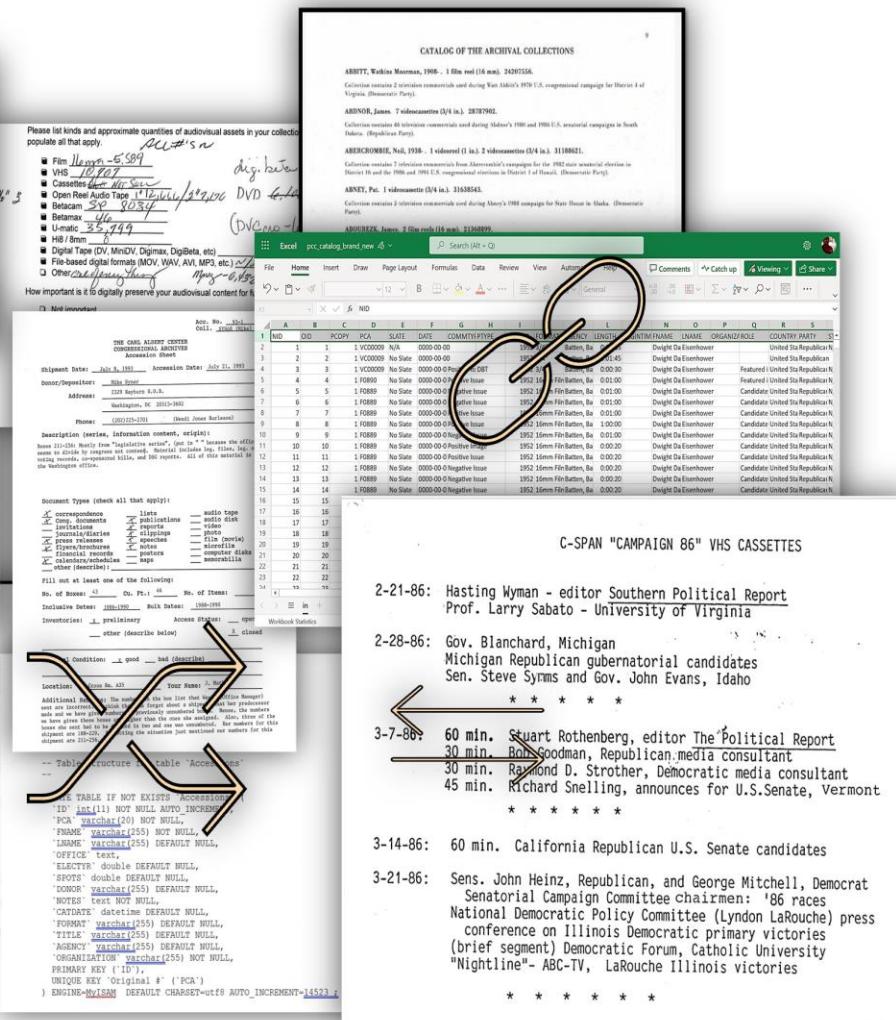
Digital Forensics: In most cases forensic tools were needed to extract data from obsolete media, files, and platforms



TAPE INVENTORY DESCRIPTION						PAGE <u>1</u> of <u>1</u>
TAPE ID# <u>V1310</u>		FORMAT <u>2"</u>	STATE <u>Wisconsin</u>		ELECTION YEAR <u>1970</u>	
OFFICE SOUGHT _____		CANDIDATE'S NAME <u>Abramsen</u>		PARTY AFFILIATION _____	DISTRICT _____	
ELECTION (primary, general) RESULTS _____		AD AGENCY _____		INCREMENT? _____		
DATE TAPE RECEIVED _____		RECEIVED FROM _____		DESCRIPTION _____		
TAPE DIMENSIONS	TIMER NUMBER	COMMERCIAL LENGTH	SLATE ID NUMBER	DATE	COMMERCIAL TITLE	DESCRIPTION
65"		30"		3/11	Endorsement	
		50"			Chash	

Because no position title currently exists for you, we have to create one. Could you please fill out as much of this as you can? I hate to burden you with this, but I want to get you started.

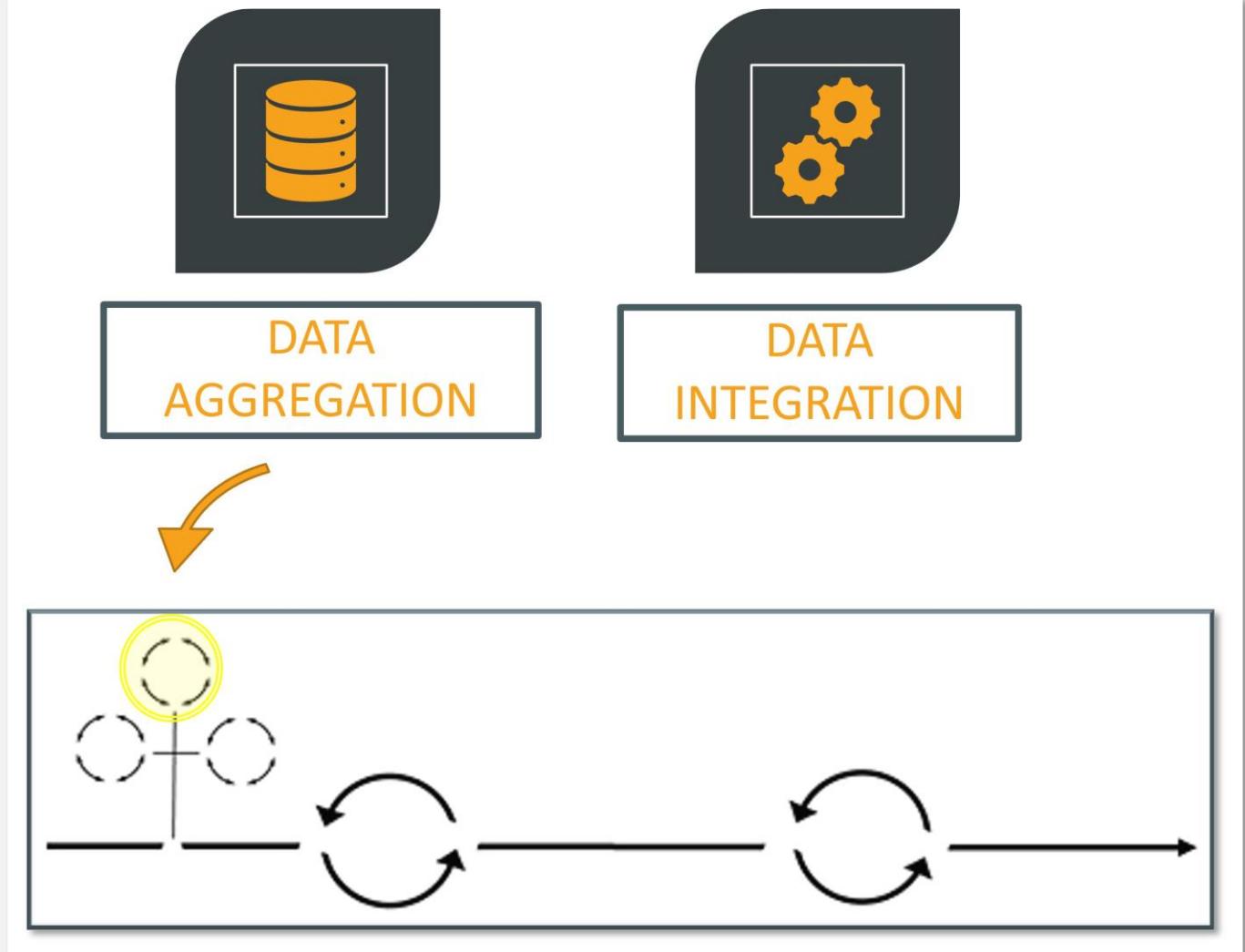
LNAME	FNAME	EY	OFF	ST	PT	TITLE
Abraham	Spence (E. Spencer)	1994	USA	MI	R	[Riegle and Carr]
Abraham	Spence (E. Spencer)	1994	USA	MI	R	[Ronney - Hiltig]
Abraham	Spence (E. Spencer)	1994	USA	MI	R	[Ronney - Hiltig]
Abraham	Spence (E. Spencer)	1994	USA	MI	R	[Young Father]
Abraham	Spence (E. Spencer)	1994	USA	MI	R	18 Years
Abraham	Spence (E. Spencer)	1994	USA	MI	R	18 Years
Abraham	Spence (E. Spencer)	1994	USA	MI	R	Air King
Abraham	Spence (E. Spencer)	1994	USA	MI	R	Ask Bill
Abraham	Spence (E. Spencer)	1994	USA	MI	R	Ask Bill Conserva-
Abraham	Spence (E. Spencer)	1994	USA	MI	R	Eddie
Abraham	Spence (E. Spencer)	1994	USA	MI	R	Eddie
Abraham	Spence (E. Spencer)	1994	USA	MI	R	EDRC - NRSC Fa-
Abraham	Spence (E. Spencer)	1994	USA	MI	R	Father
Abraham	Spence (E. Spencer)	1994	USA	MI	R	Gray
Abraham	Spence (E. Spencer)	1994	USA	MI	R	Guts
Abraham	Spence (E. Spencer)	1994	USA	MI	R	Guts
Abraham	Spence (E. Spencer)	1994	USA	MI	R	Guts
Abraham	Spence (E. Spencer)	1994	USA	MI	R	Jane - NRSC
Abraham	Spence (E. Spencer)	1994	USA	MI	R	Jane Abraham Ja-
Abraham	Spence (E. Spencer)	1994	USA	MI	R	NRSC
Abrahamsen	Shirley (Shirley Schlinger)	1979	SCT	WI	-	Endorsement But

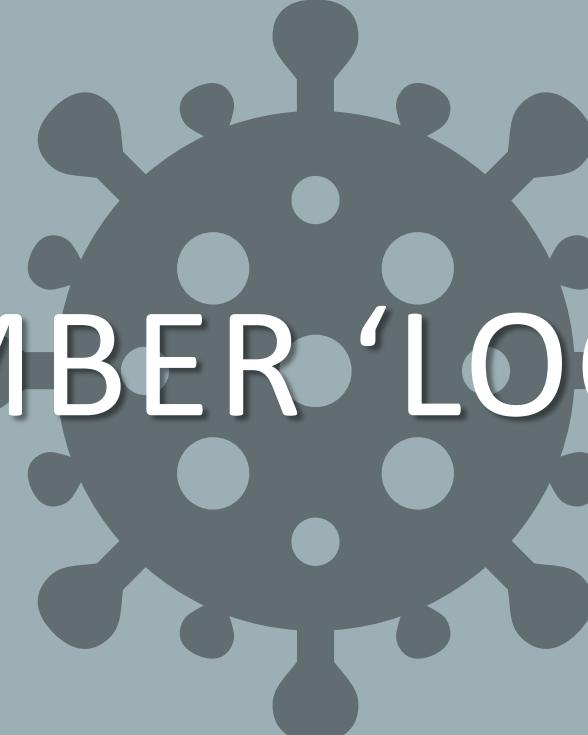


LINK ALL OF THE
RECORDS
STRUCTURED AND
UNSTRUCTURED

LINEAR RECIPROCITY WORKFLOW

#4



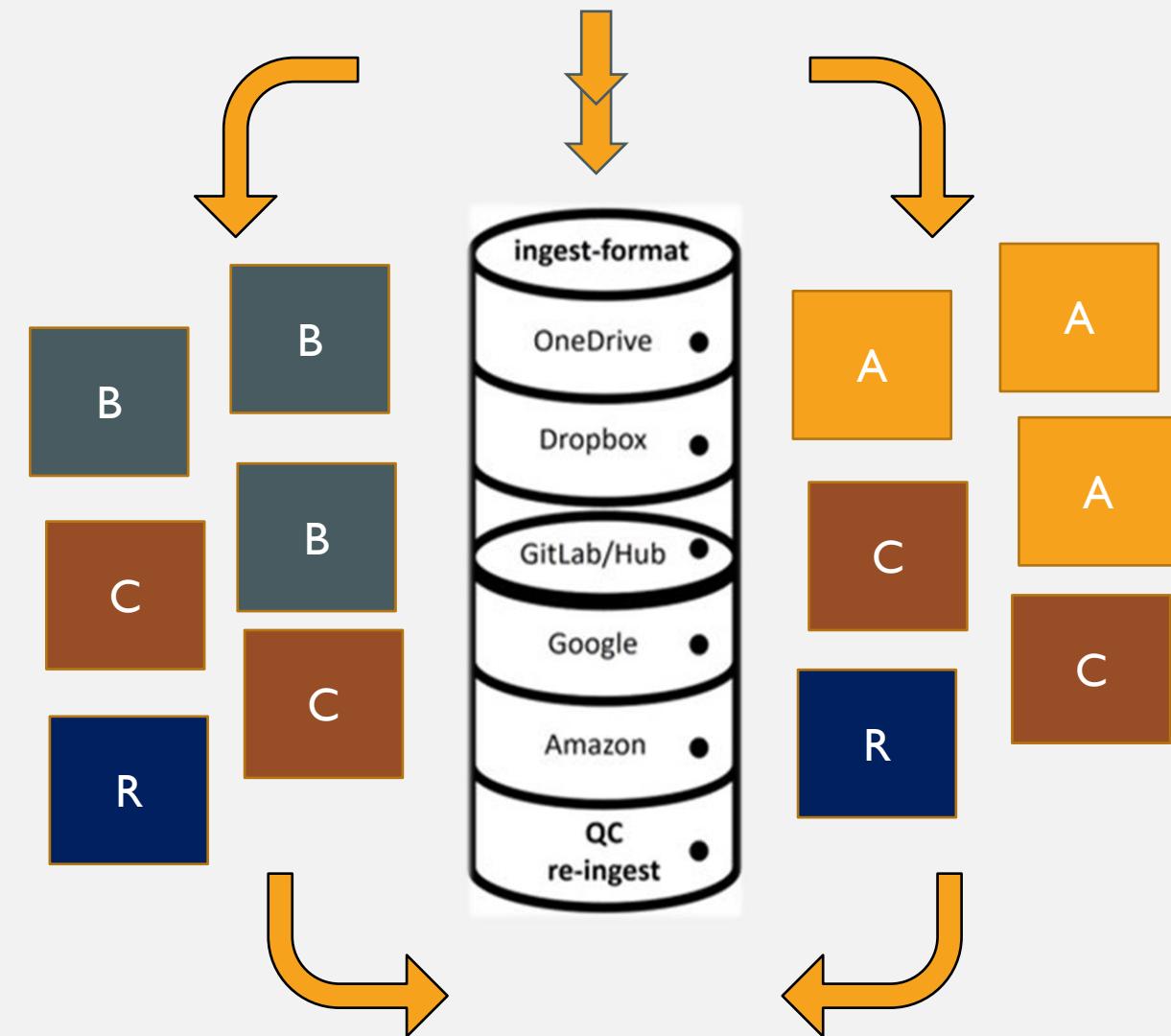


REMEMBER 'LOCKDOWN'

REMOTE STUDENT/STAFF ACCESS

1. Divide master sheet
2. Assign 'chunks' to students
 - a. Group A
 - b. Group B
 - c. Group C
3. Implement QA controls

1 Archivist + 1 Business Student





OneDrive Amazon
DropBox Google



2021



Fall_2021



Alysa_Fall_2021



Alysa_Block_1



Work_1

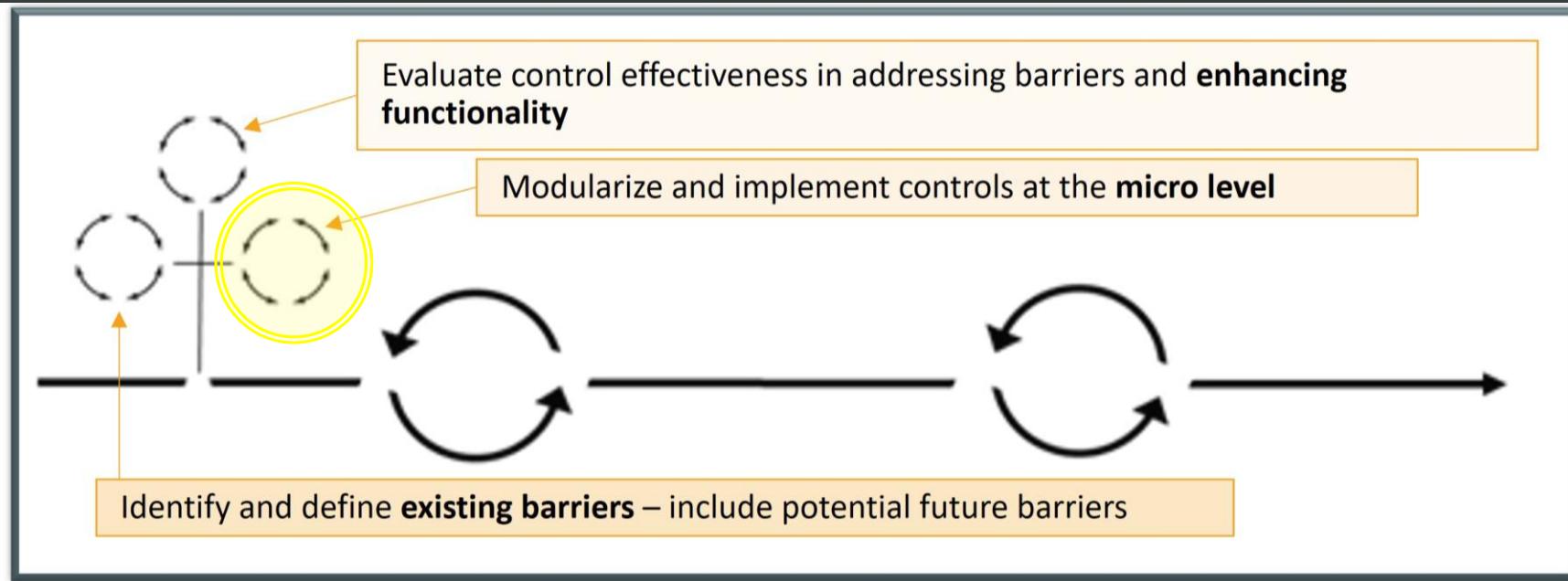


Complete_Ready_QA

REMOTE ACCESS

1. Workflow by semester
2. Internship Students (2021)
 - a. Blocks of information
 - a. Metadata Template
 - b. Videos
 - c. Original Scans
 - b. Completed work (QA)
3. Automation – QA - Assignment

Modularize and implement controls at the micro level to regulate and monitor individual components, processes, and interactions



LINEAR RECIPROCITY WORKFLOW

STANDARDIZATION

Transform irregularities:

Develop a working thesaurus or word standardization lists to maintain control over terminology and ensure consistency in the representation of concepts across the metadata.

Incorporate ICPSR codes (Inter-University Consortium for Political Science Research) to promote consistency in the classification and categorization of political science-related data.

Establish links between relevant data whenever feasible to enhance the reliability and interconnectedness of the metadata, allowing users to navigate between related resources seamlessly.

Data validation, error detection.

NORMALIZATION

Create cohesion:

Ensure uniformity and improve the cohesiveness of the data for long-term preservation

Removing or replacing certain elements in text to achieve a ‘normalized’ representation

Ensure compatibility with various systems and facilitating its accessibility (interoperability)

By normalizing the corpus of information in the archival collection, it becomes possible to conduct data quality checking processes to identify contradictory, inaccurate, or new instances of redundancy.

COMPONENT IDENTIFICATION

NID	P_COPY	OID	PCA_ID	ELECTION_YEAR	OFFICE	FORMAT	AGENCIES	LENGTH	LAST_NAME	FIRST_NAME	TITLE	PARTY	STATE	GENDER	COMMUNICATION	SUMMARY
77424	1101	46307	VC01796	1990		12	Axelrod	00:30:00	Fisher	Lee	Bio	Democratic Party	Ohio	Male	Positive Image	Black and white st
77429	1101	46312	VC01796	1990		12	Axelrod	00:30:00	Fisher	Lee	Battle	Democratic Party	Ohio	Male	Positive Issue	Voiceover footage
79253	1127	48276	VC01947	1990		3/4"		00:30:00	Fisher	Lee	Point				Negative Image	Voiceover shot of
79254	1127	48277	VC01947	1990		3/4"					Play by Play			Male	Positive Image	Two men acting li
79261	1127	48284	VC01947	1990		3/4"		00:30:00	Fisher	Lee	Time Bomb			Male	Positive Issue	Announcer, voice
79401	1128	48513	VC01947	1990		3/4"		00:30:00	Fisher	Lee	Cops		Ohio		Positive Issue	Voiceover police
79422	1128	48534	VC01947	1990		3/4"		00:30:00	Fisher	Lee	Bar Exam		Ohio		Positive Image	Voiceover footage
80068	1139	49189	VC01948	1990	Attorney General	3/4"		00:30:00	Fisher	Lee	Adam	Democratic Party	Ohio		Positive Issue	Testimony of male
43924	1935	130892		1990	Attorney General	VHS		00:30:00	Fisher	Lee	Crime/Adam	Democratic Party	Ohio			

**COMBINE:
P_COPY and OID for COMPONENT ID**

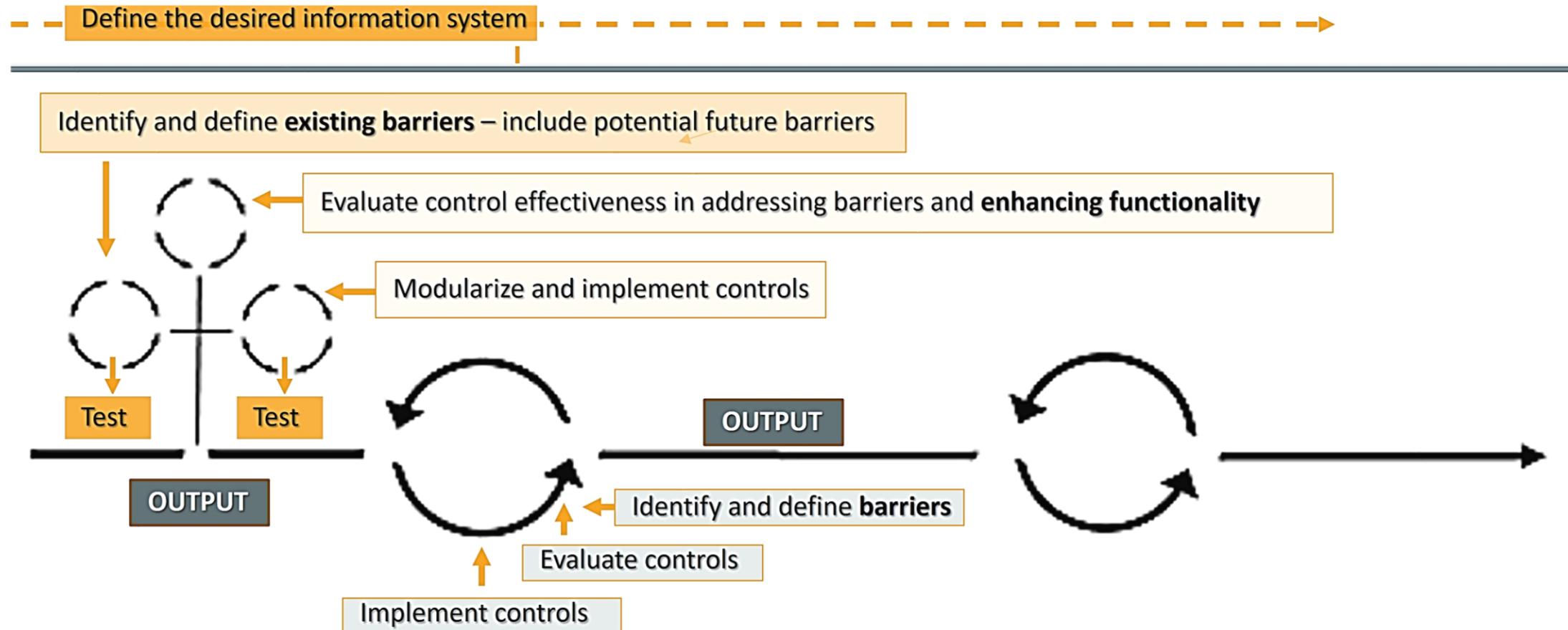
NID	P_COPY	OID	PCA_ID	LAST_NAME	FIRST_NAME	TITLE	PARTY	STATE
77424	1101	46307	VC01796	Fisher	Lee	Bio	Democratic Party	Ohio
77429	1101	46312	VC01796	Fisher	Lee	Battle	Democratic Party	Ohio
79253	1127	48276	VC01947	Fisher	Lee	Point		
79254	1127	48277	VC01947	Fisher	Lee	Play by Play		
79261	1127	48284	VC01947	Fisher	Lee	Time Bomb		
79401	1128	48513	VC01947	Fisher	Lee	Cops		Ohio
79422	1128	48534	VC01947	Fisher	Lee	Bar Exam		
80068	1139	49189	VC01948	Fisher	Lee	Adam	Democratic Party	Ohio
43924	1935	130892		Fisher	Lee	Crime/Adam	Democratic Party	Ohio

P-1127-48276



**NEW COMPONENT
IDENTIFICATION**

QUICK UPDATE OF WORKFLOW



INTO ACTION

Sample Student Access ‘Groups A-B’ Processes:

- Sort sheet by LAST NAME – FIRST NAME (workflow specific)
- Implement [controlled standardization script](#) to standardize irregularities (must be 80% confidence to edit)
 - Names and nicknames vary for the candidate
 - ICPSR numbers may vary for the candidate
 - States may vary for the candidate
 - Parties may vary for the candidate
- Review terms or strings corrected and add extracted text to ‘control sheet-text’.
- Implement [controlled abbreviations script](#) to standardize all acronyms, short-hand, jargon. Add extracted/corrected text to ‘control sheet-tab abbr.)
- Implement [error-A_B-1 script](#) (this will export a report with highlighted ‘suggestions, alerts’ for human review.
- Clear duplicates from master lists and amend (add parties, states, ICPSR numbers, etc...)
- Backup files

INTO
ACTION

Sample Student Access ‘Group C’ Processes:

- Sort sheet by LAST NAME – FIRST NAME
- Run [fuzzy-comp-1 script](#) to verify NAMES and ABBREVIATIONS and make sure they are in the CONTROL-SHEET-TAB-TEXT and CONTREOL-SHEET-TAB-ABBRV.
- Run [error-C-1 script](#) for report of ‘suggested’ alerts, spell checker
- Sort sheet LAST NAME – FIRST NAME/OFFICE/ELECTION YEAR
- Backup files

INTO ACTION

Sample Student Access ‘QA and Rovers-1’ Processes:

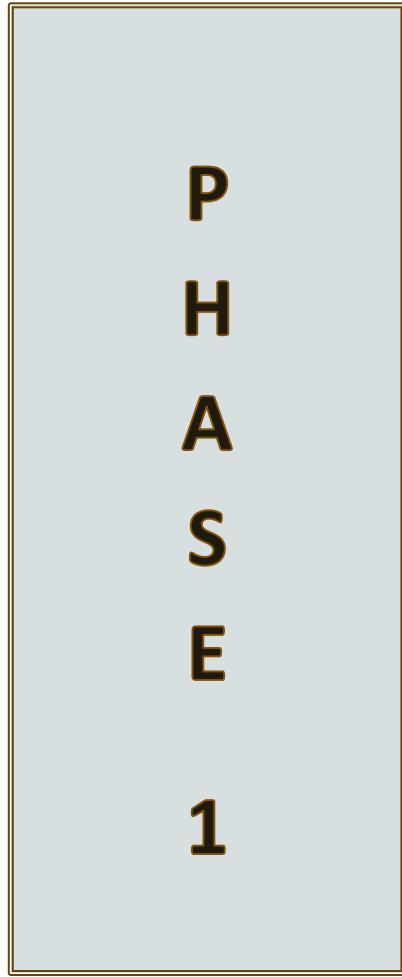
- Files will be automatically added to the assigned QA/R folder
- Perform data validation and standardization based on the controlled vocabulary with [QA-1 script](#). This script will identify and handle any errors or inconsistencies in the data. This will generate a report highlighting the issues found and suggest possible corrections.
- Review report and address issues (save report and notes/changes/alterations made).
- Backup files

INTO ACTION

Sample Student Access ‘QA and Rovers-2’ Processes:

- Open new metadata worksheet and sort by ‘Component ID’
- Open ‘KanterVideos’ folder, CTRL+A, right click SHIFT, copy as path
- Paste in new tab in metadata worksheet ‘files’ (CTRL+A, CTRL+H, replace the path leaving the P-#-#).
- In metadata sheet copy the Component ID column into the ‘files’ tab next to the just pasted video files.
- Select both columns and in excel in the ‘Home’ → ‘Conditional Formatting’ → ‘Highlight Cell Rules’ → ‘Duplicate Values’
- Review the files that are in both videos and excel by sorting the columns by cell color, clear the cells leaving only the non-duplicates

---- *this will begin a new phase of the project*----



MEDIA FILE ANALYSIS:
IDENTIFYING ERRORS, CORRUPTED
FILES, AND COMPONENT
IDENTIFICATION ISSUES

To be continued...

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