




NASS 2023

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The background features a dark, semi-transparent overlay of various handwritten documents and envelopes. Some legible text includes "I AM PROPER", "NOTE TAKEN TO", "SUBSCRIBED", and "1814-1817".

Handwriting Recognition Technology

BUILDING OUR OWN SOLUTION

- Why?
 - Security
 - Scale
 - Quality
 - Cost



HANDWRITING RECOGNITION (HWR)

1. Understand the Image

1 (51) a. STATE *Utah* b. COUNTY *Halt Lake* c. INCORPORATED PLACE OR TOWNSHIP *Halt Lake* d. R. D. NUMBER *30-169* Notes *DeSjorne*

2 (52) a. STATE *Califor* b. COUNTY *Alameda* c. INCORPORATED PLACE OR TOWNSHIP *Day* Notes *1-0*

3 (53) a. STATE *California* b. COUNTY *Alameda* c. INCORPORATED PLACE OR TOWNSHIP *Shirland* d. R. D. NUMBER *1-2* Notes

4 (54) a. STATE *Utah* b. COUNTY *Deer* c. INCORPORATED PLACE OR TOWNSHIP *North 50th* d. R. D. NUMBER *6-50* Notes

5 (55) a. STATE *California* b. COUNTY *Alameda* c. INCORPORATED PLACE OR TOWNSHIP *Hayward* d. R. D. NUMBER *1-2* Notes

LINE NUMBER	1	2	3	4
1	136	180		
2				
3				
4				

2. Find the Handwriting

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS
1950 CENSUS OF POPULATION AND HOUSING

FOR ALL PERSONS

NAME	SEX	AGE	RACE	ETHNICITY	RELATIONSHIP	EDUCATION	INDUSTRY	REASON FOR LEAVING
<i>John Doe</i>	<i>M</i>	<i>30</i>	<i>W</i>	<i>W</i>	<i>H</i>	<i>HS</i>	<i>Farmer</i>	<i>None</i>
<i>Jane Doe</i>	<i>F</i>	<i>28</i>	<i>W</i>	<i>W</i>	<i>W</i>	<i>HS</i>	<i>Homemaker</i>	<i>None</i>
<i>Bob Smith</i>	<i>M</i>	<i>15</i>	<i>W</i>	<i>W</i>	<i>S</i>	<i>HS</i>	<i>Student</i>	<i>None</i>

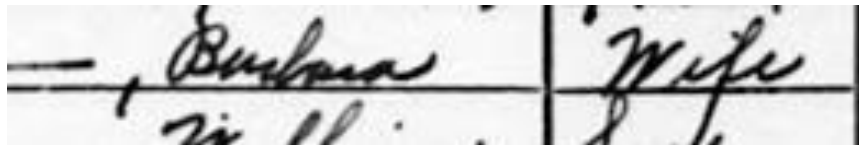


HANDWRITING RECOGNITION (HWR)

3. Run the Software



---, Radia | daughter



---, Barbara | wife

4. Curate the Results

W	F	22	Mar Ore
W	M	27	Mar Ore
W	F	25	Mar Ore
W	M	29	Mar Ore

image, leave it blank in the form below. More details in [FIELD HELPS](#)

10. Sex	11. Current Age ⓘ
<input type="checkbox"/> M (Male) ▾	<input type="text" value="27"/>
<input type="checkbox"/> F (Female) ▾	<input type="text" value="25"/>

<input checked="" type="checkbox"/> None	<input type="checkbox"/> None	<input checked="" type="checkbox"/> None	<input type="checkbox"/> None
21	1,200	3,200	2,400
49	3,200	3,200	3,200
50	2,350	2,350	2,350

is blank on the image, leave it blank in the form below.

30. Weeks working last year	31a. Income from wages or salary	31b. Self-employed income	31c. Other income
<input type="text" value="None"/>	<input type="text" value="600"/>	<input type="text" value="None"/>	<input type="text" value="945"/>
Weeks	Dollars	Dollars	Dollars





ancestry

1950 US FEDERAL CENSUS

THE RESULTS

1940 US CENSUS	1950 US CENSUS
<ul style="list-style-type: none">• 132 million names• 6 months to create an Index	<ul style="list-style-type: none">• 151 million names• 9 Days to create a HWR Index



THE FUTURE



- Creating different models for variety of document types
- Plug & Play
- Off the shelf solution that pulls different models for specific collections
- A suite of content specific models
- Current projects 1931 Canadian Census, French Census 1836-1911



WHAT DOES THIS MEAN?

Less Time
Less Expense

More Indexing
More Countries
More Record Types
More Discoveries





Thank you!

