



*Teaching
Genealogists AI™*
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Census Records for Puerto Rican Genealogy

Worksheet 7 — AI Census Analysis Worksheets

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How to Use This Worksheet

These three tools support AI-assisted census analysis within a GPS-compliant research practice. Use them in sequence:

1. **Part A — AI Census Comparison Template:** Build your multi-year comparison table by recording your transcriptions, then verify each cell of the AI's output against your original data.

2. **Part B — Data Extraction Table:** Capture structured data from a single census entry before presenting it to an AI tool.
3. **Part C — Correlation Summary Builder:** Organize the patterns and discrepancies identified across census years to prepare your written conclusion.

Core rule: These worksheets document your work, not the AI’s output. Every cell you fill in should trace back to an original or derivative source — not to AI-generated text.

Part A — AI Census Comparison Template

Step 1: Record Your Transcriptions

Complete one row per census year from your own transcription of the original census images. Do this before using any AI tool.

Census Year	Name as Recorded	Age	Barrio	Municipio	Household Members (name, age, relationship)	Source Citation
1910						
1920						
1930						
1940						
1950						

Step 2: Record AI-Calculated Implied Birth Years

After receiving the AI’s comparison table, record the implied birth year the AI calculated for each census year. Then calculate the range yourself to verify.

Census Year	Age Reported	Implied Birth Year (AI)	Implied Birth Year (Your Check)	Match?
1910				
1920				
1930				
1940				
1950				

Implied birth year range: Earliest _____ Latest _____ Difference: _____ years

If difference exceeds 3 years: Flag for further investigation. Do not resolve by averaging — find a documentary source.

Step 3: Verify the AI's Table

Check each cell of the AI's output against your Step 1 transcriptions. Record any discrepancies below.

Census Year	Field with Discrepancy	What You Transcribed	What AI Produced	Action Taken
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Did the AI introduce any information you did not provide? (names, dates, locations not in your transcription)

Yes / No — If yes, describe:

Part B — Data Extraction Table

Use this table to organize structured data from a single census entry before pasting it into an AI tool. Complete one table per census year.

Census Year: _____ **Ancestor Name:** _____ **Municipio / Barrio:** _____

Field	Data from Census Image	Legibility (Clear / Unclear / Illegible)	Notes
Name as recorded			
Age			
Implied birth year			
Birthplace			
Race / color as recorded			
Occupation			
Marital status			
Relation to head			
Head of household name			
Other household members			
Barrio			
Municipio			
Sheet / enumeration district			
Other fields present			

Source citation (Evidence Explained style):

Source type: Original / Derivative (circle one)

Information quality for age: Primary / Secondary / Indeterminate (circle one)

Evidence value for research question: Direct / Indirect / Negative (circle one)

Part C — Correlation Summary Builder

After completing the comparison table (Part A) for all available census years, use this section to organize your findings into a coherent summary suitable for a proof statement, proof summary, or proof argument.

Confirmed Facts (consistent across two or more census years)

Fact	Sources That Confirm It	Confidence Level
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Discrepancies Requiring Resolution

Discrepancy	Records That Conflict	Likely Explanation	Next Record to Search
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Migration or Household Change Patterns

Change Observed	Census Years	Possible Explanation	Follow-Up Action
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Name Variations Identified

Name as Recorded	Census Year	Standard Form	Search Strategy Adjustment
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Negative Evidence

Record Type	Repository	What Was Searched	Expected Result	Actual Result	Research Significance
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Draft Conclusion Statement

Write a 1–3 sentence summary of what the census evidence, taken together, establishes about your research question. This is your draft proof statement or the opening of a proof summary. AI may have helped you organize the data — the reasoning and wording here are yours.

GPS Compliance Reminder

Before treating this worksheet as complete, verify:

Every fact in Part A traces to a specific original or derivative source I personally examined

Every cell the AI produced has been checked against my own transcription

Any information the AI introduced that was not in my data has been investigated and either confirmed or removed

All citations are written in Evidence Explained style and cite the original record, not AI output

Discrepancies are documented and a plan for resolution is recorded

Negative searches are recorded with repository, collection, date range, and result
