

Using Bibliographic and Census Administrative Databases to Identify FSRDC Research Outputs

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An Information Gap

Researchers approved to use Census Data

Complete and publish their work

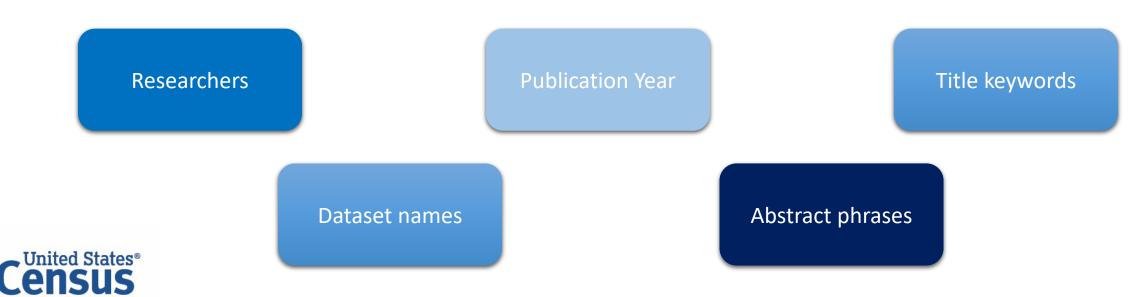
Notify Census of publications

- Lack of material for demonstrating usefulness of datasharing program
- No efficient way of finding publications



Problem Objectives:

- Use Python to automate a process to collect publication data from bibliographic databases (Base, Core, etc.)
- Use NLP and publication metadata to identify possible hits (matches between Census projects and published works)



Benefits

Almost fully automated process to reduce resource needs

Will allow information to be updated more regularly (projected quarterly vs. annually basis)

Narrows down possible matches from thousands to tens

Publication data shows usefulness of Census program

Provide examples of how restricted-access Census Bureau data can be used for research



Next Steps

- Commenting and creating documentation for easy transfer of work
- Collecting human "data" for ML training
- Comparing results across databases for further refinement

Deliverable:

Webpage matching
Census-approved projects
to the bibliographical
information of their
resulting publications

