

a1. Data Collection

Keywords  OpenAlex

{intergenerational, ' '},
{wealth, income, earning},
{mobility, transition}

Social Sciences

Journal  English

Output: Corpus (N=16,819)



b1. Category Generation

 GPT o3-mini

Input: all_abstracts.json

Task: Generate representative taxonomy

Output: Taxonomy JSON (K=k)
Measures (8), Data Types (14),
Research Question* Types (9)

{M1: Regression-based measure,
M2: Rank-based measure,..., M8: Others}

*abbr. RQ

b2. Category Assignment

 GPT o3-mini

Input: abstract.json (\forall N=617)

Task: Label papers

Output: Paper x Category Table

Paper	Measure	Data	RQ
Paper 1	M2	D1	R2
Paper 2	M1	D1	R1
...

a2. Data Curation

 GPT 4o/o3-mini

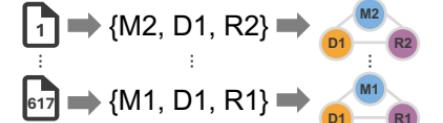
 OpenAlex  SEMANTIC SCHOLAR

- Relevance and duplication checks
- Cross-verified abstracts

Output: Curated set (N=617)

c1. KG Creation

Input:



Output: 30 Nodes 483 Edges

Edge Properties:
Year, Papers, Weight w^*
 $w^* = 1_{\text{appeared}}$

c2. KG Analysis

 Neo4j

Input: Degree, Strength,
Node/Edge Betweenness

Output: Insights on Node, Pairs, and
Triangles (Centrality)

