

October 24, 2024

### Government Data of the People, By the People, For the People

**Navigating Citizen Privacy Concerns** 



Claire McKay Bowen, Ph.D Senior Fellow and Data Governance and Privacy Practice Area Lead









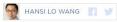


In Conversation with Matt Desmond:
How We Can End Poverty in America

#LiveAtUrban

to lead the U.S. census, Robert Santos

Updated November 4, 2021 - 5:56 PM ET @





Robert Santos, president of the American Statistical Association, has been approved to lead the U.S. Census Bureau as its new Senate-confirmed director through 2026.

Features : : Spatial Equity Data Tool

### **Spatial Equity Data Tool**

Measure Disparities in Your Data

Last updated March 19, 2024

Are libraries evenly located across the country? Do all residents in your state—regardless of race or income—have equitable access to polling places? Does your dataset accurately reflect your county's or city's population?

This tool can help government agencies, policymakers, and community advocates easily answer such questions by assessing demographic and spatial disparities in their data.

Choose a geography below to get started. Then check out our sample datasets or upload your own data.

National-level data

State-level data

County-level data

City-level data

Home Documentation

# Background Promise of Tiered Data Access

# Approach #1: restricting access

### Common access restrictions

- Direct or restricted access
  - Federal Statistical Research Data
     Centers
  - NIH-supported data repositories
- User agreements
  - Data Use Agreements (DUA)
  - Non-Disclosure Agreements (NDA)
  - Memorandum of Understanding (MOU)



### Why not apply for full access to the data?

Yes: In an idealized world, trusted researchers and policymakers could have direct access to the data.

### Not everyone can:

- Eligibility requirements (e.g., must be a U.S. citizen).
- Lengthy clearance (e.g., months or years).
- Limited access to secure enclaves (e.g., hundreds of miles away).

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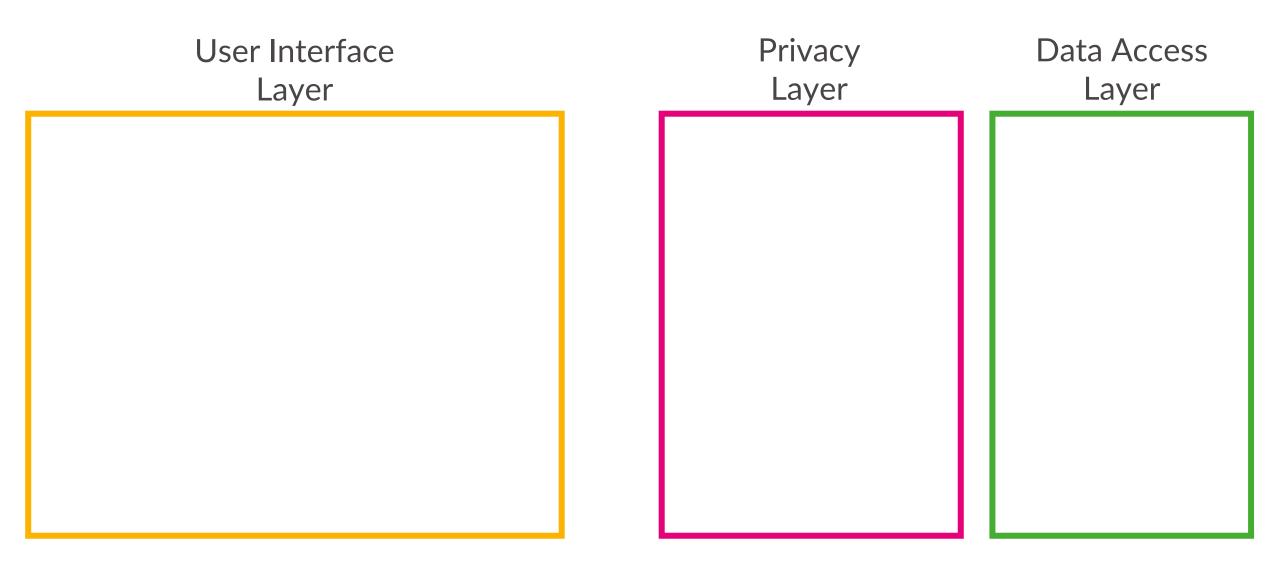
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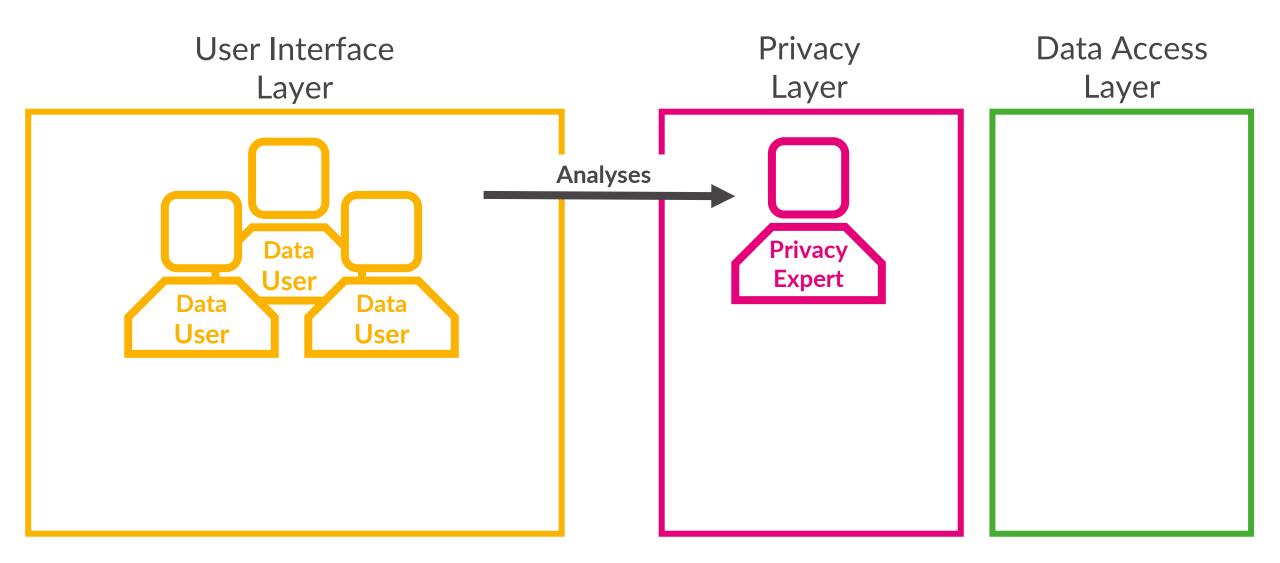
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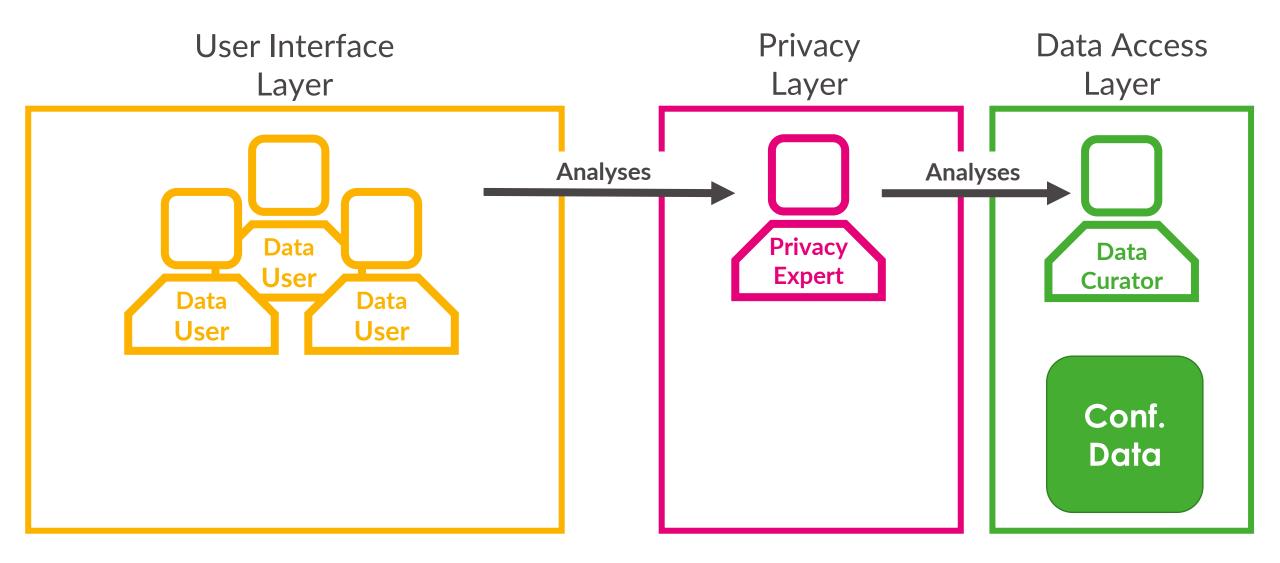


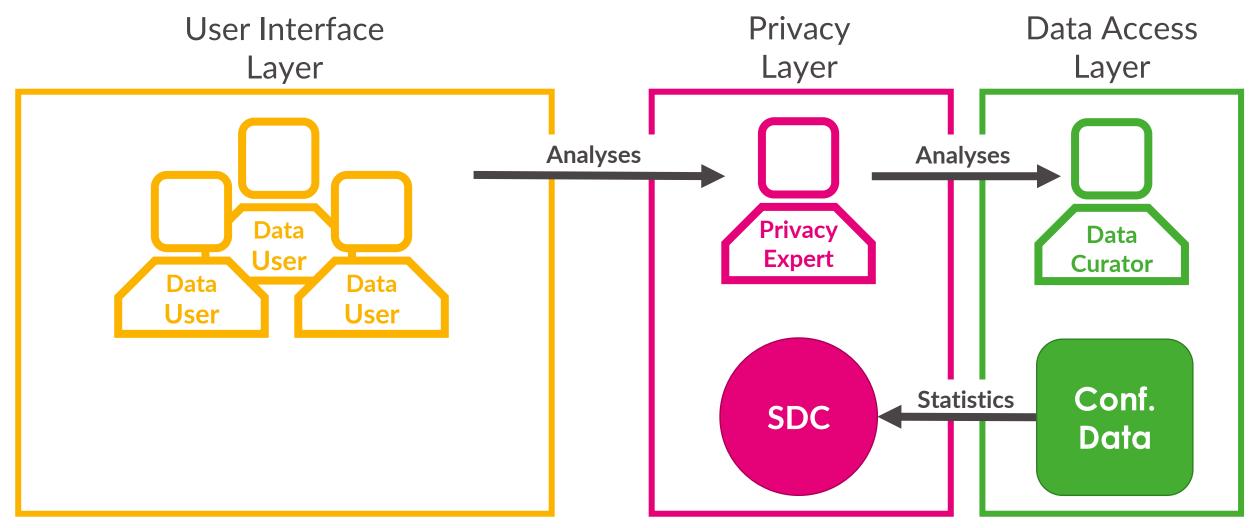
# Approach #2: querying statistics

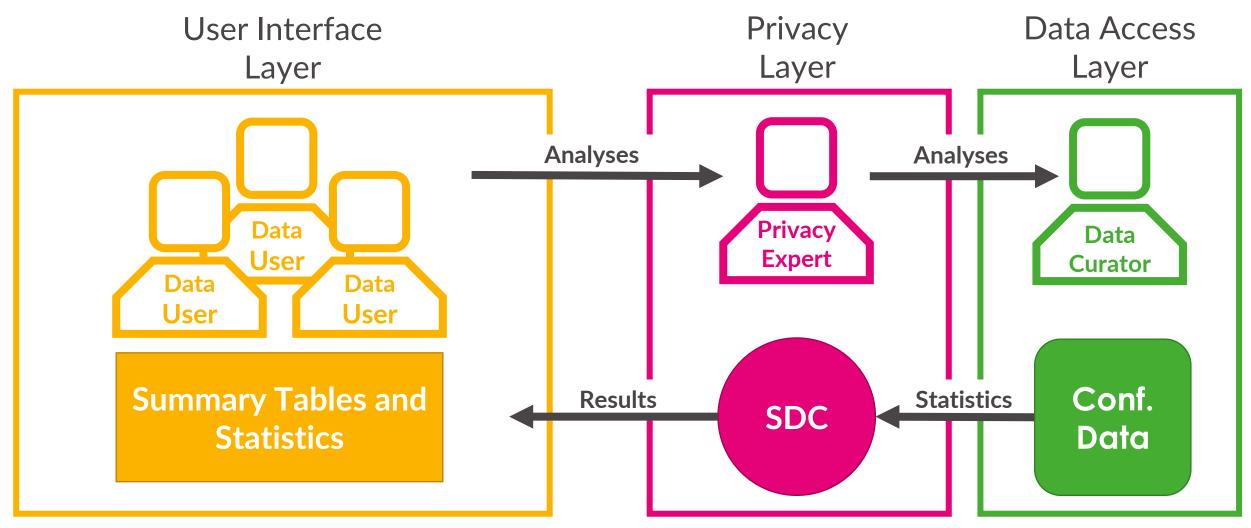


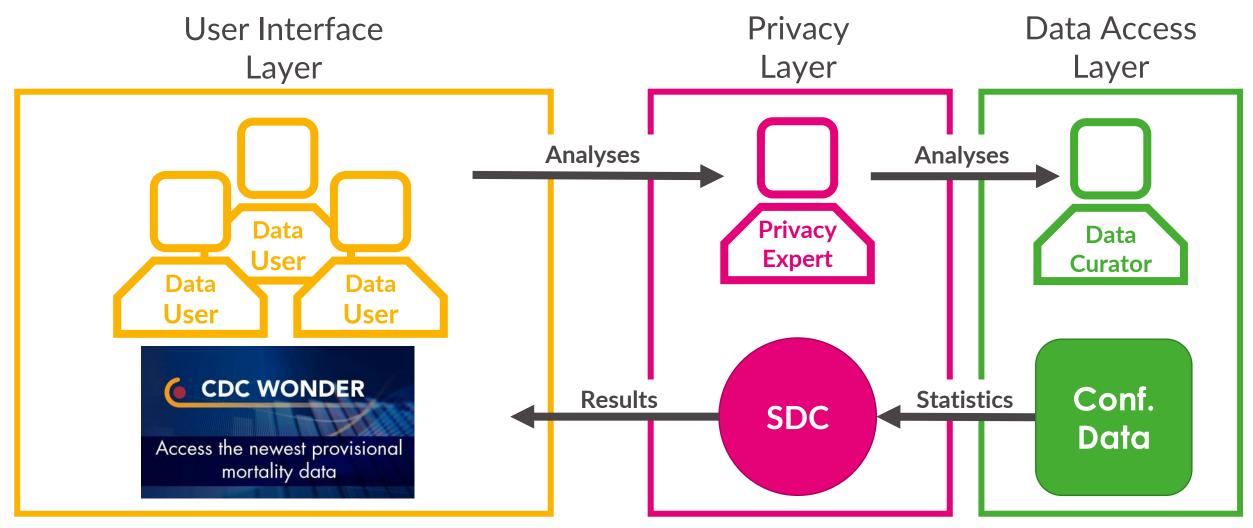
User Interface Privacy **Data Access** Layer Layer Layer **Data** User **Data Data** User User

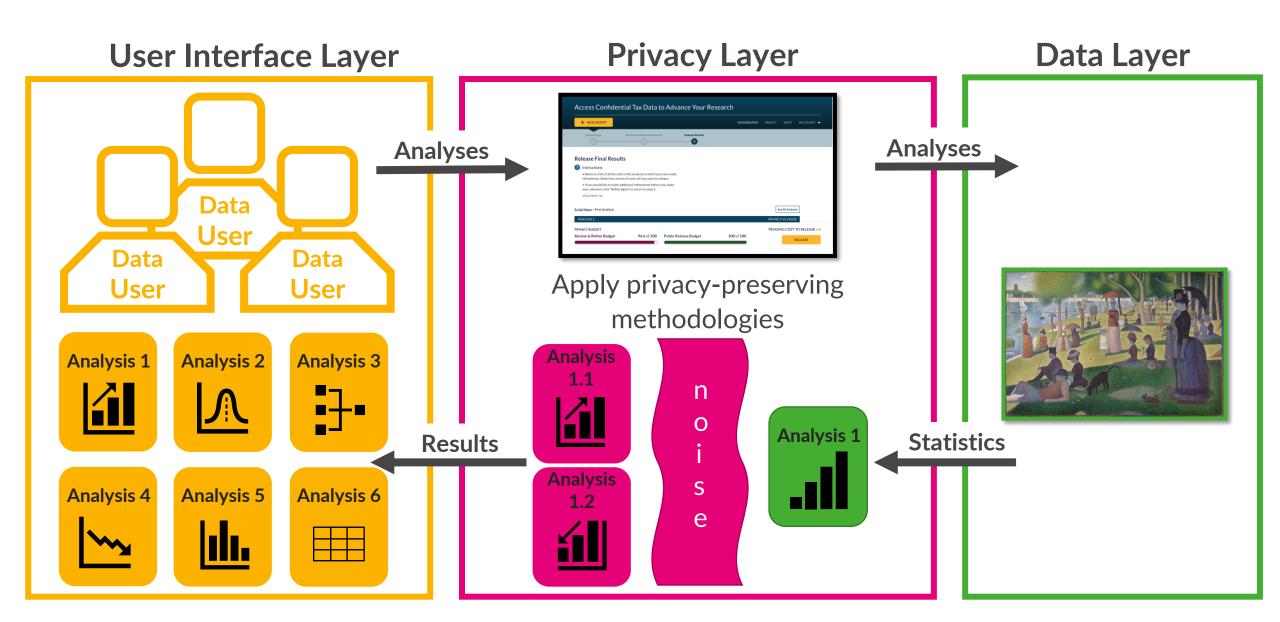




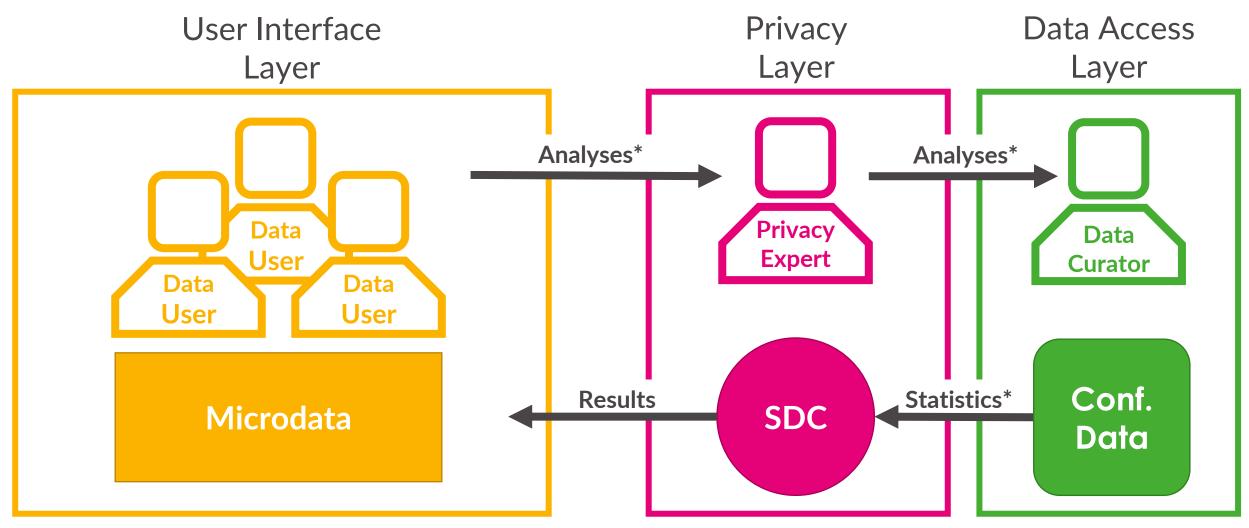








# Approach #3: publishing microdata





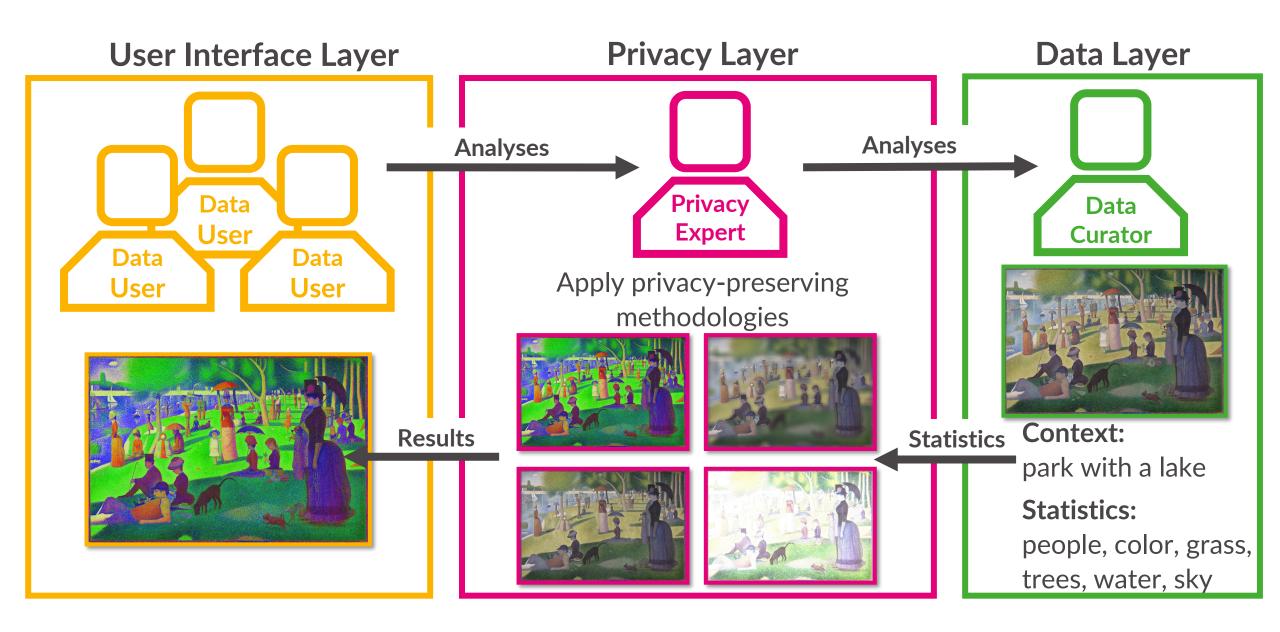




# What are ways to protect data? Top Coding

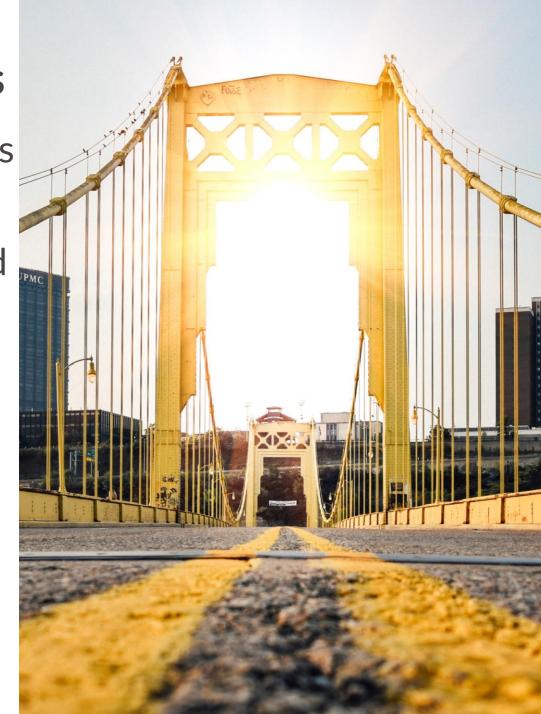
## What are ways to protect data? Synthetic Data

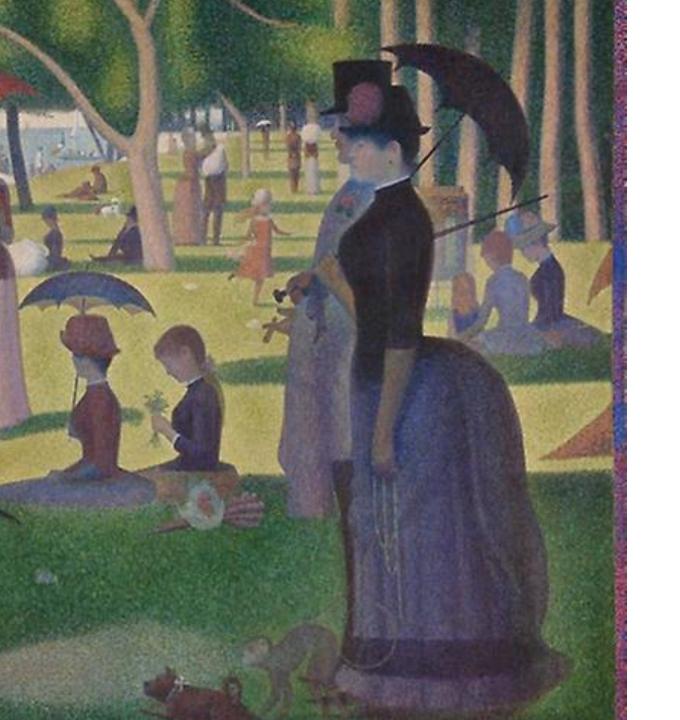




### **Urban Synthetic Data Applications**

- Disaggregated synthetic human services data for Allegheny County
- Synthetic Nebraska state education and workforce data
- Synthetic courthouse data
- Synthetic Survey of Earned Doctorates
- Synthetic taxpayer data
- REAL Incubator Fund demonstration of opt-in disclosure protection





### **Contact Me**









