# TWC SBES: Medium: Utility for Private Data Sharing in Social Science
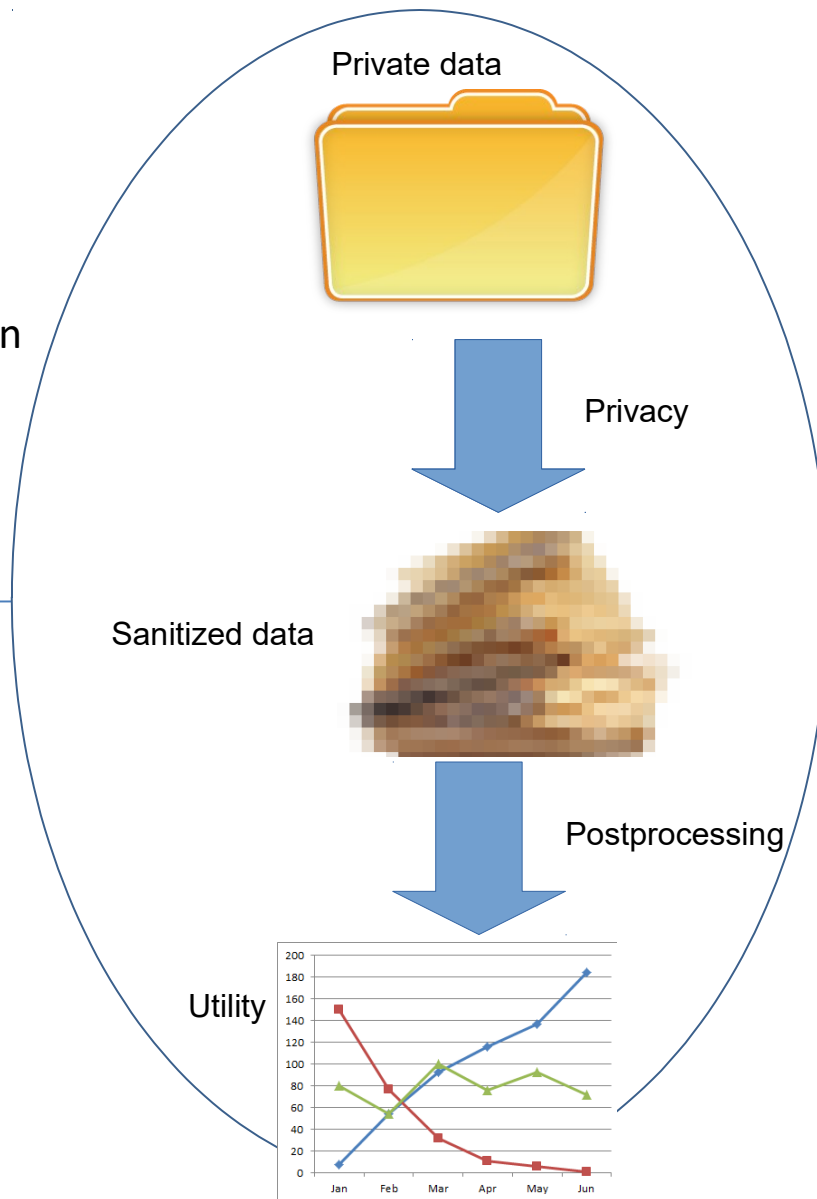
**Challenge:**
- Measure utility of sanitized data
- Algorithms for extracting information from sanitized data

**Solution:**
- Axiomatic utility derivations
- Parameter estimation algorithms.
- Postprocessing algorithms

Private data

Privacy

Sanitized data

Postprocessing

Utility

**Scientific Impact:**
- Analysis of geographically censored data for social science
- Chi-squared testing over differentially private data.
- Postprocessing algorithms for improved query answers.

**Broader Impact:**
- Enables more accurate analysis of social science datasets.
- Open source tool in preparation.
- Talks at social science venues
- Course modules