

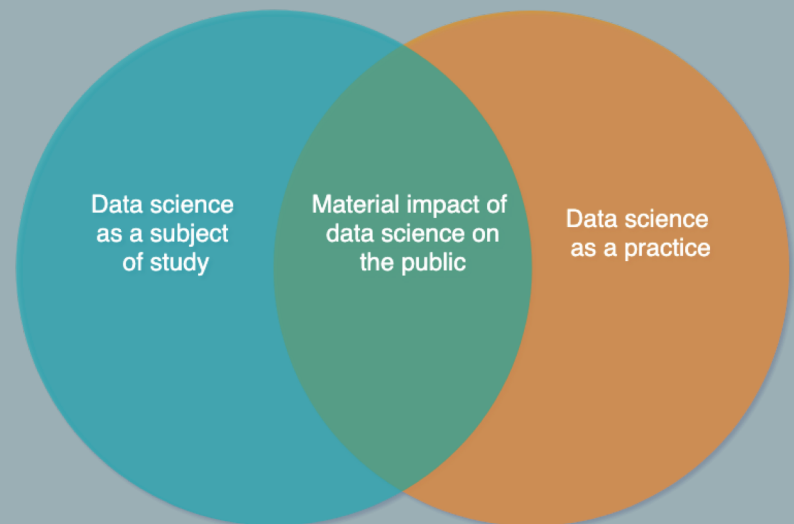
FROM DATUM TO DATA: A QUALITATIVE RESEARCH PROTOCOL FOR DATA SCIENCE IN THE PUBLIC SECTOR

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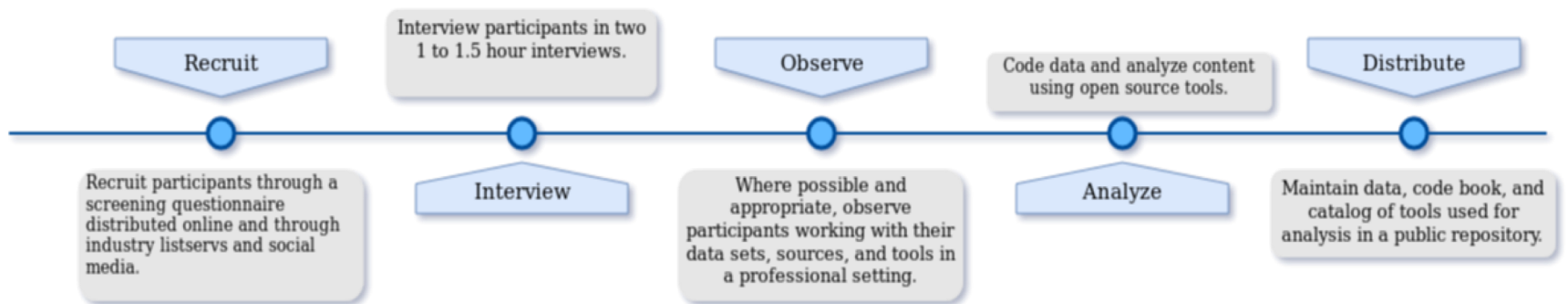
BACKGROUND:

Data science is visibly changing the material experience of the public, but data scientists working in the public sector and their practices are an as-yet-understudied population. Studying this population and their emergent practices requires a transparent, reproducible research design that can serve as the start of a toolkit for future sociotechnical research.



SOLUTION:

A research protocol for preregistering interpretive qualitative research into data science in the public sector that emphasizes transparency and reproducibility.



RESULTS:

A publicly available GitHub repository for researchers distributing:

- Qualitative research protocol
- Methodology statement
- Example code book

“Data becomes a medium for thinking about items, observations, actions, or people – from datum to data... context matters to the understanding of data, and data themselves serve as a media for negotiating meaning.”

– Gina Neff, et. al. “Critique and Contribute: A Practice-Based Framework for Improving Critical Data Studies and Data Science” (2017)