

Reproducibility Implications for spatial research, policy, and beyond

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outline

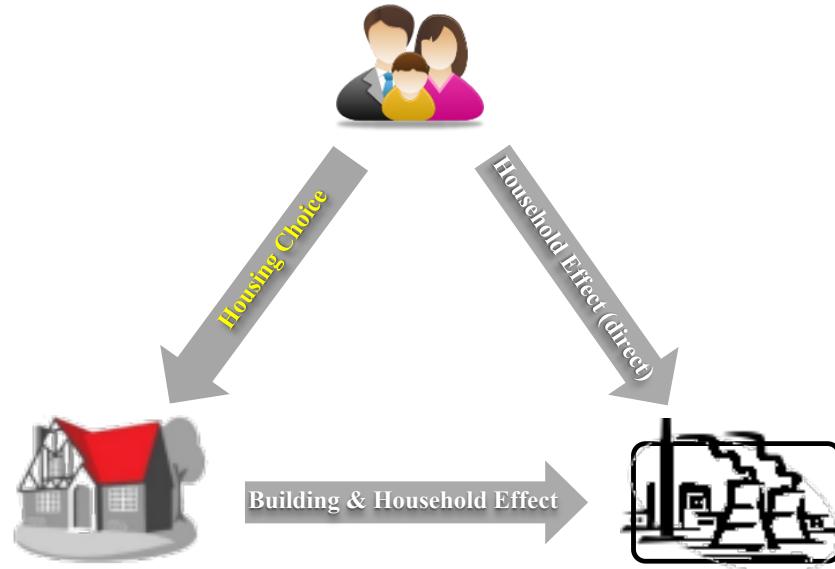
- #ReproducibleResearch
- RR [for me]
- From Data to Action
- Prospective Thinking
- Questions for you

Reproducible Research

- Computational sciences
- A minimum standard

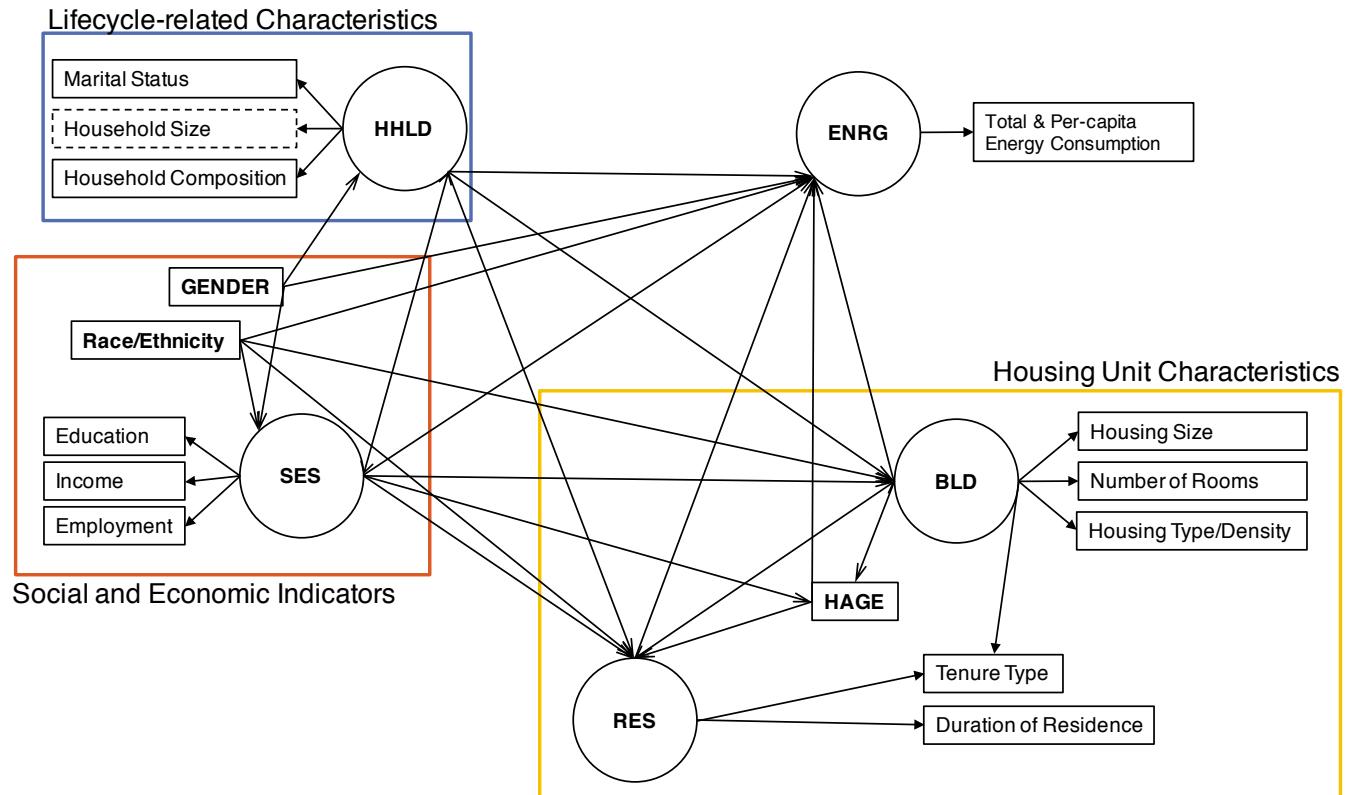
Reproducible Research [for me]

- Diss. Work



Reproducible Research [for me]

- Diss. Work



back-of-the-envelope calculations...

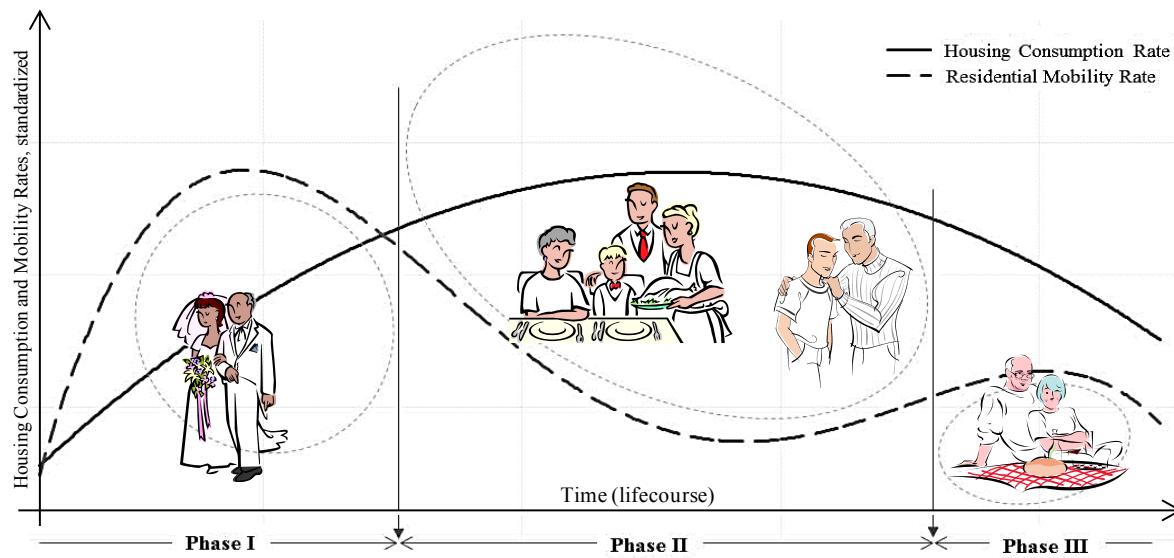
Reproducible Research [for me]

- Population Research



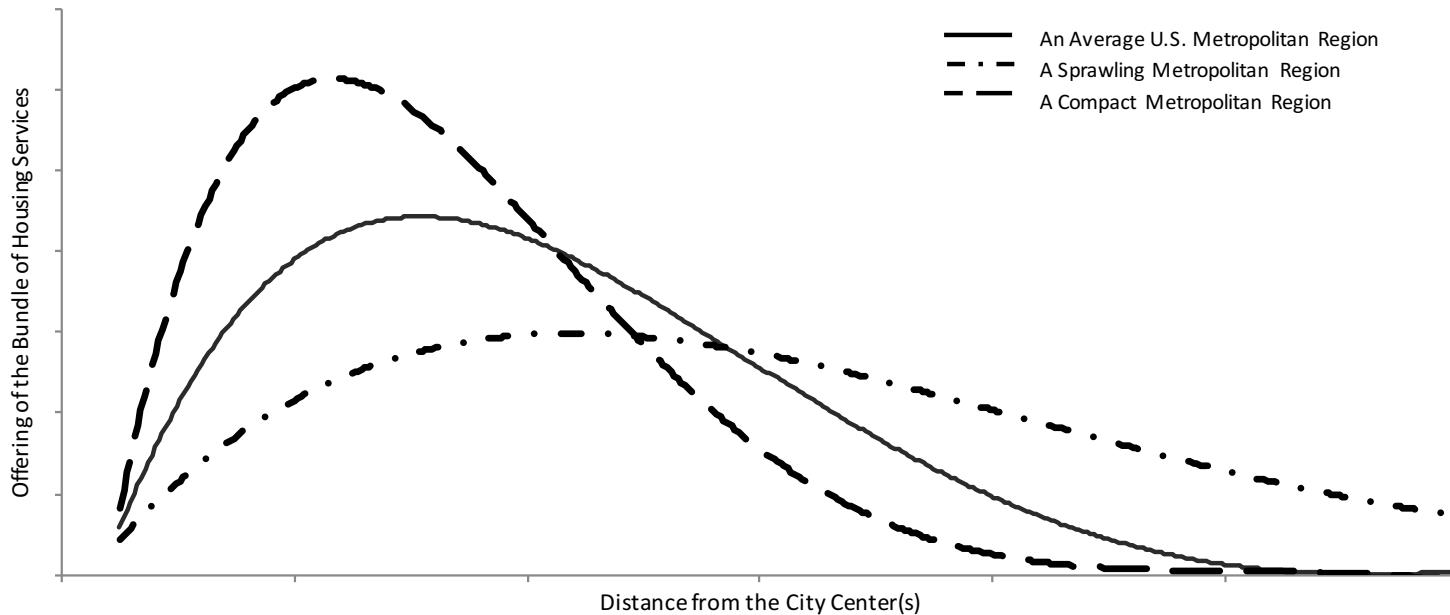
Reproducible Research [for me]

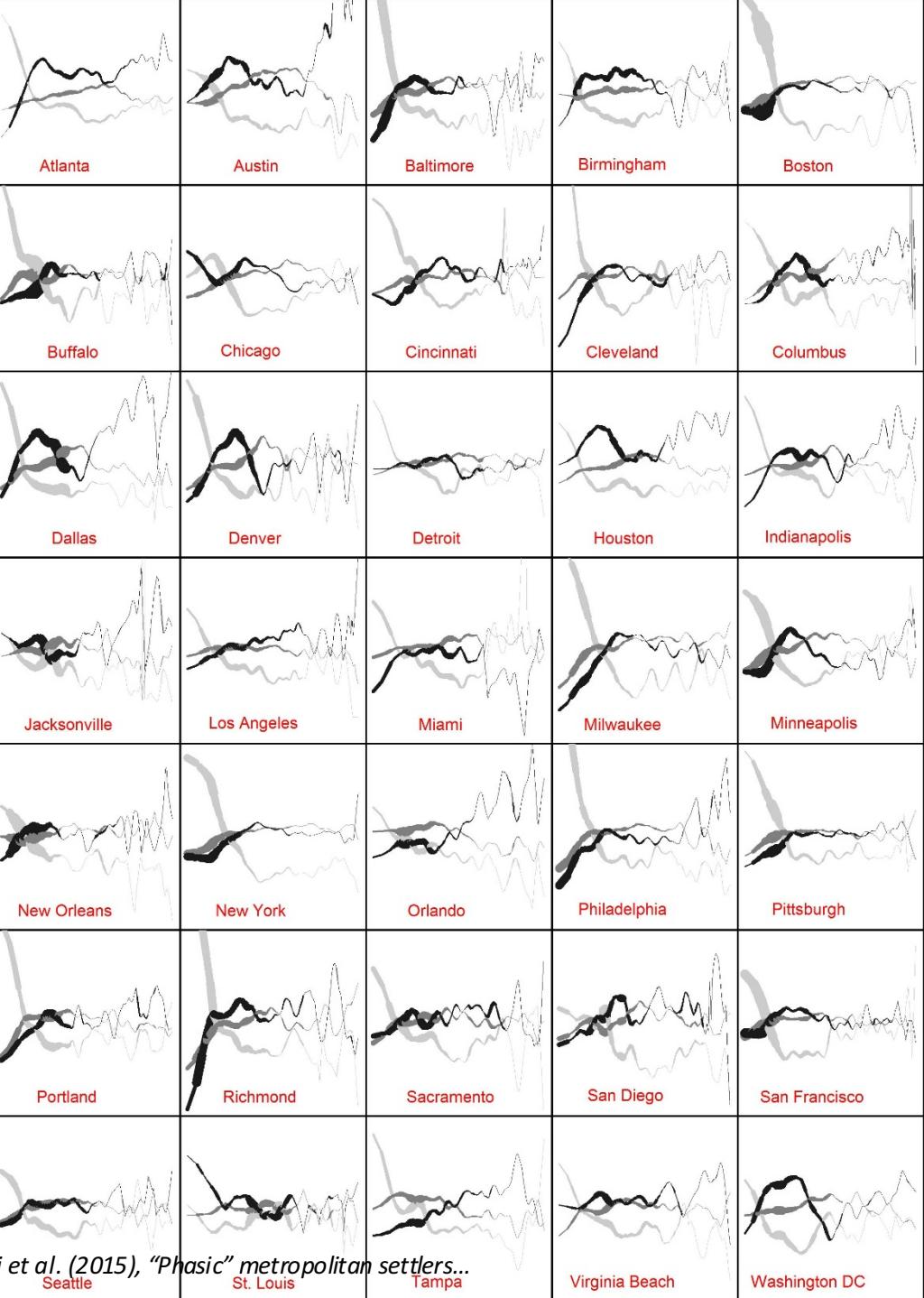
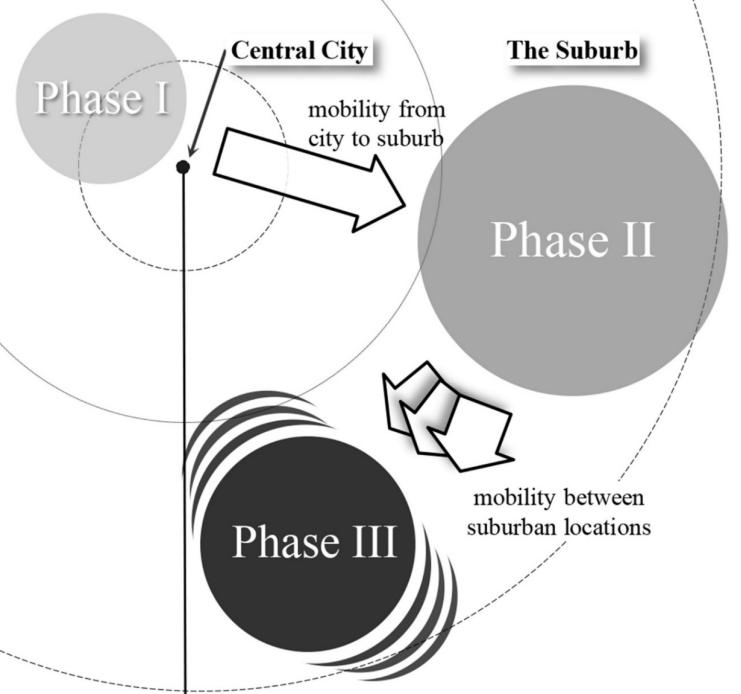
- Population Research

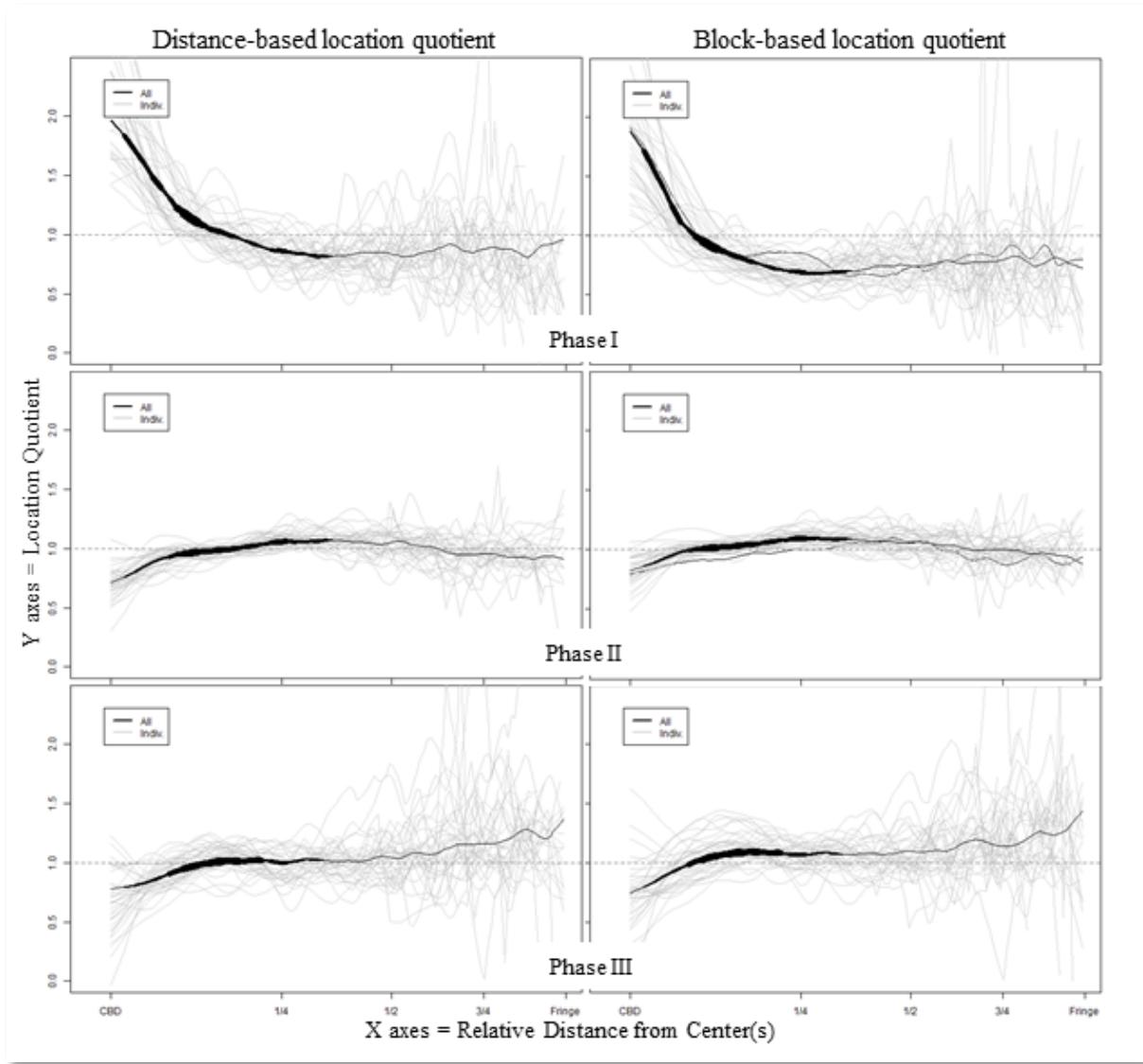


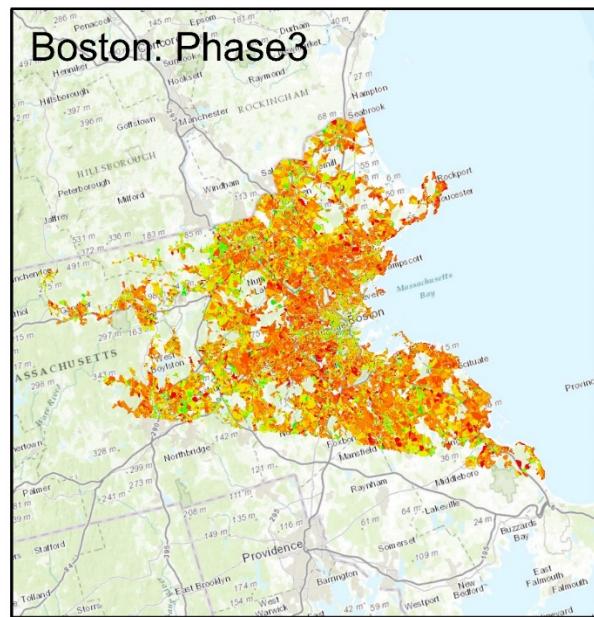
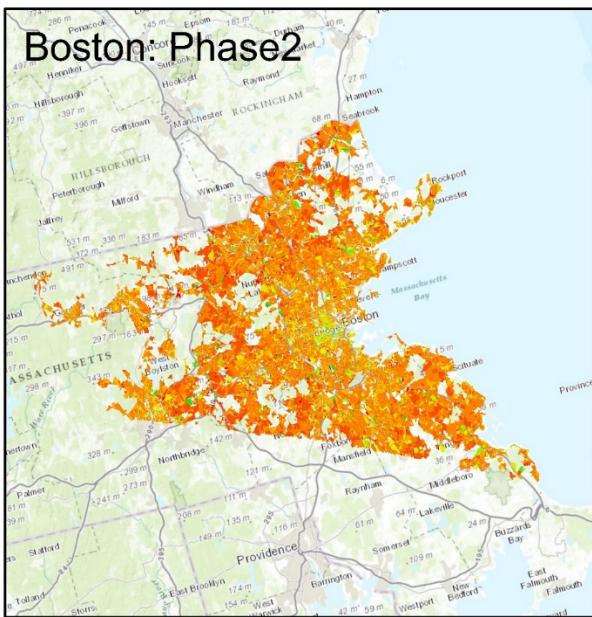
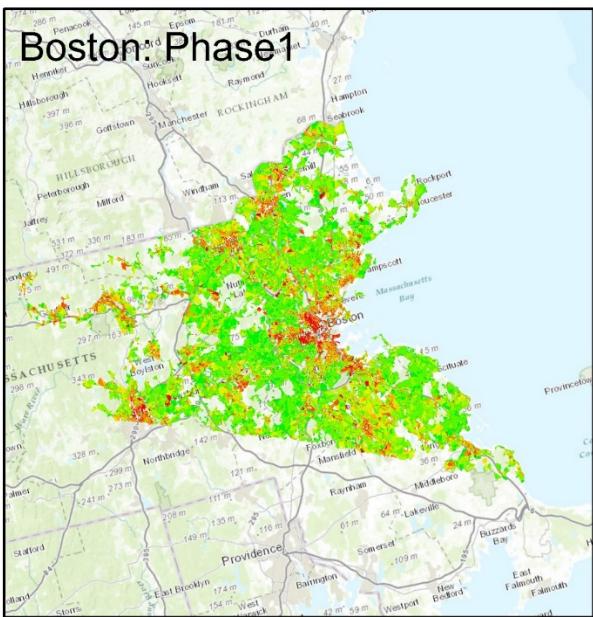
Reproducible Research [for me]

- Population Research









Legend:
distance-based
location quotient

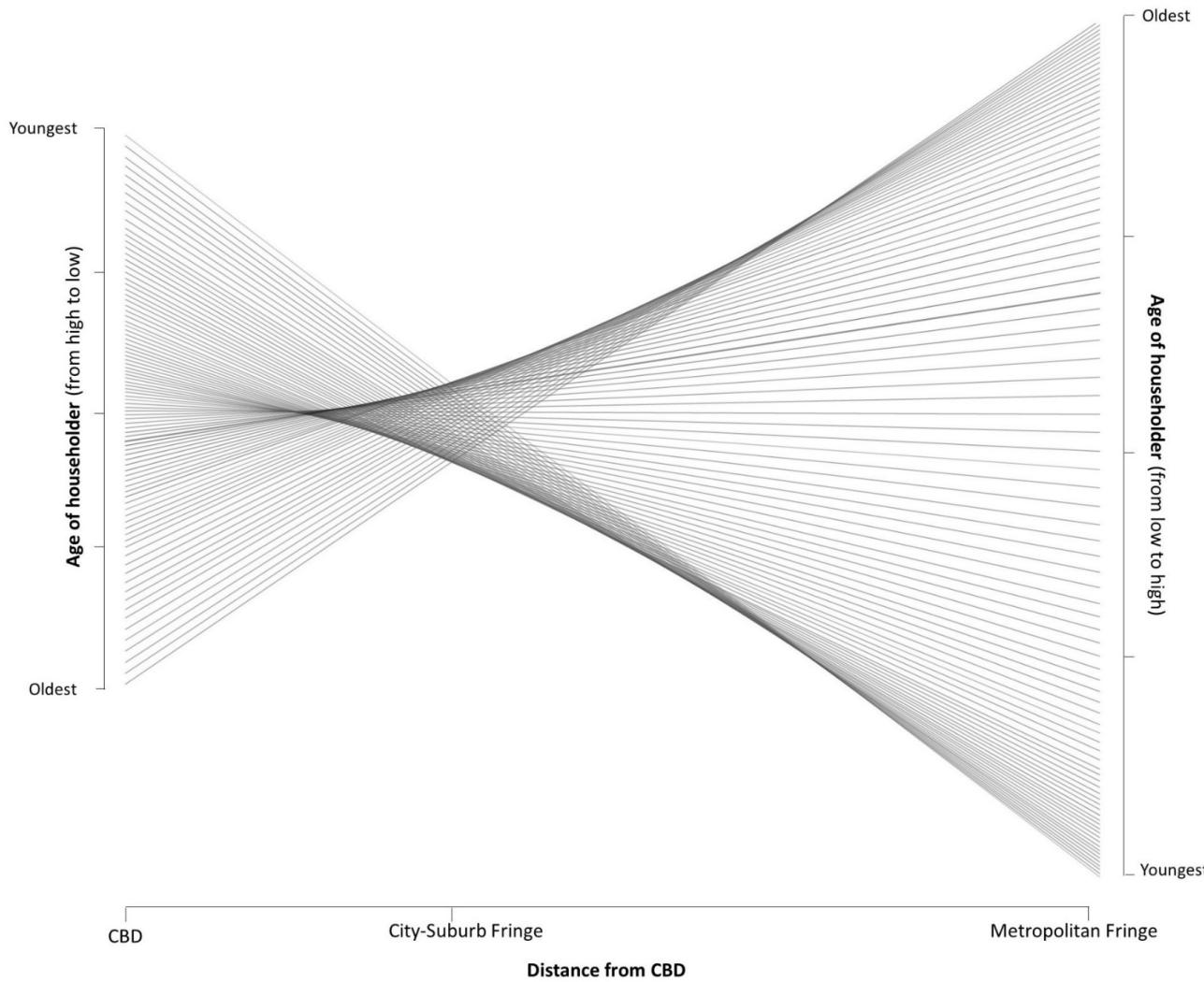
0.0	0.3 - 0.9	1.8 - 2.5	3.4 - 4.0
0.1 - 0.3	1.0 - 1.7	2.6 - 3.3	4.1 - 385.0

0 15 30 60 Miles

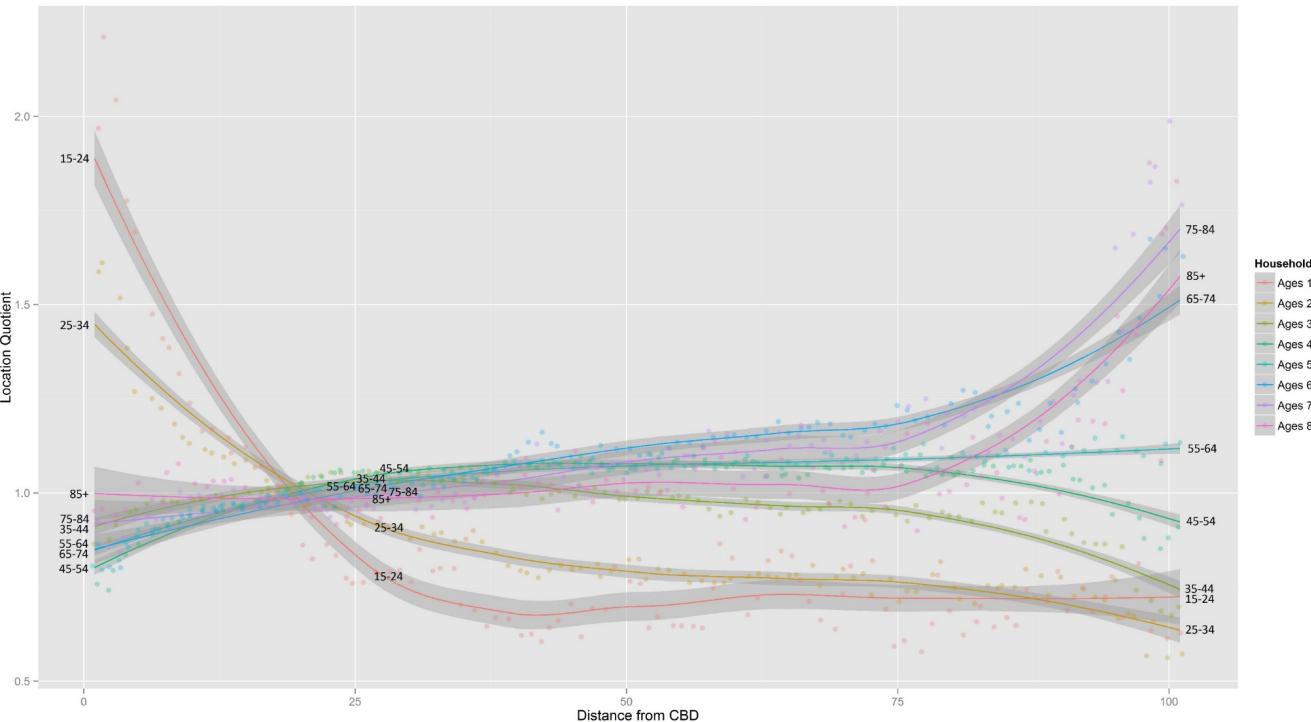
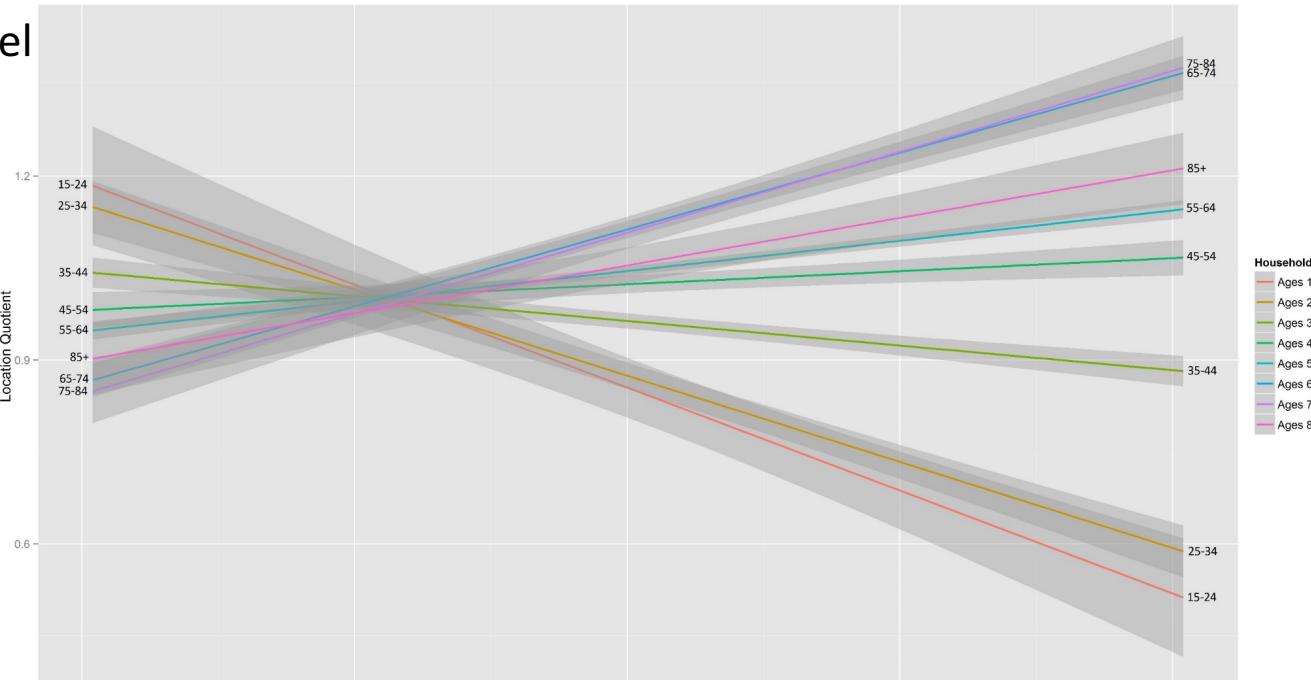


something to build upon ...

Extending the “phasic” model



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This is all in the “research” space ...

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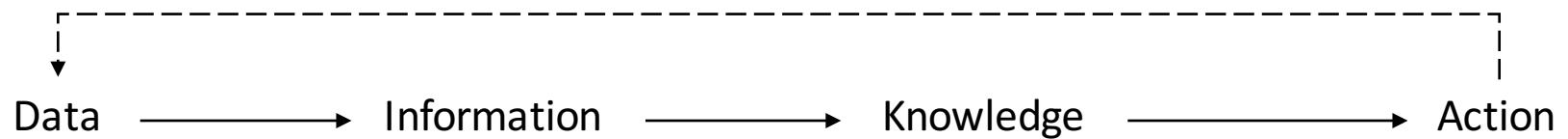
Does my research’s reproducibility
improve policy?

This is all in the “research” space ...

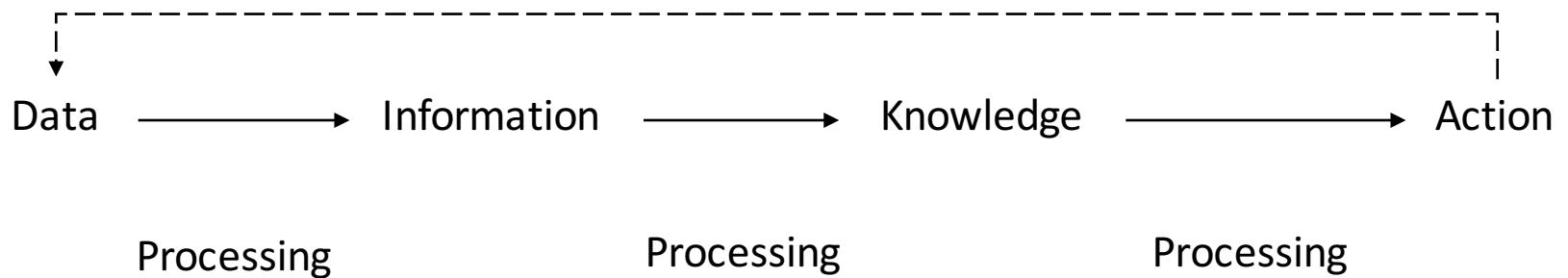
Does my research’s reproducibility
improve policy?

only if it has clear policy implications
... other people can make it better

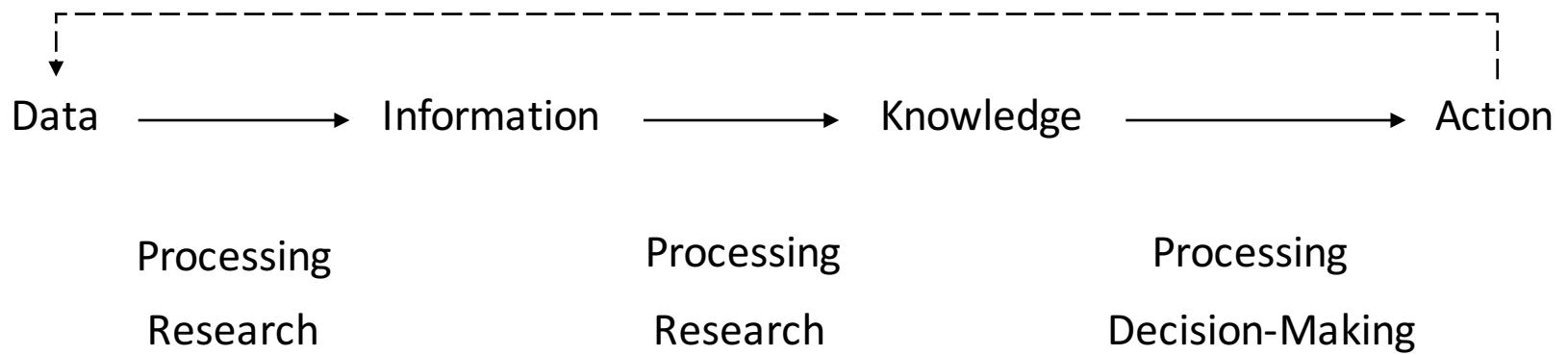
From Data to Action



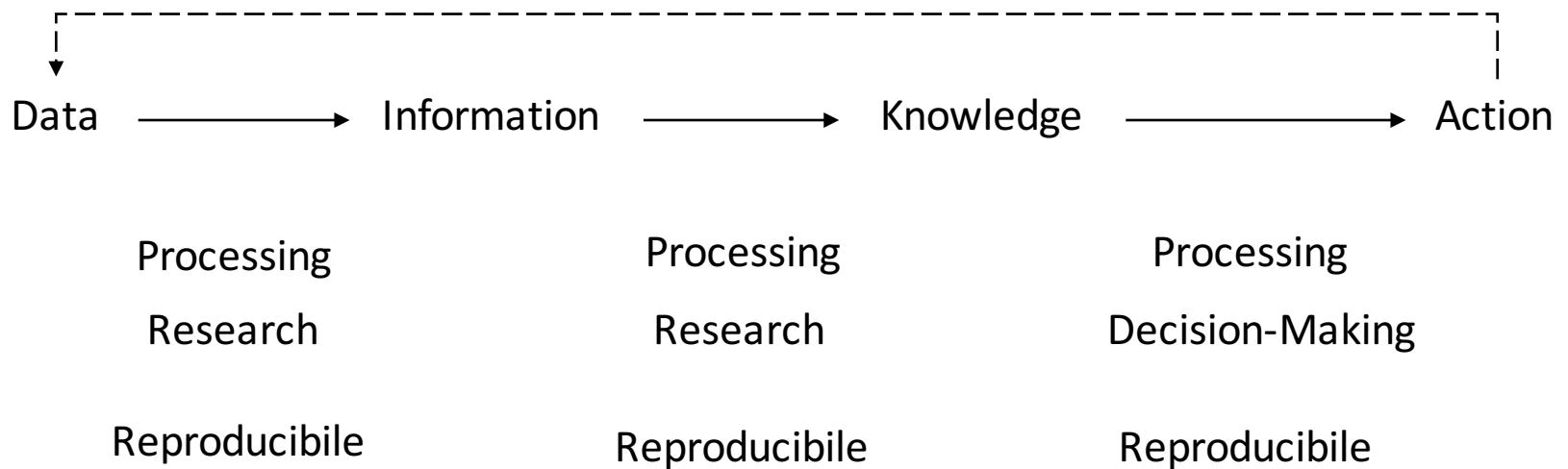
From Data to Action



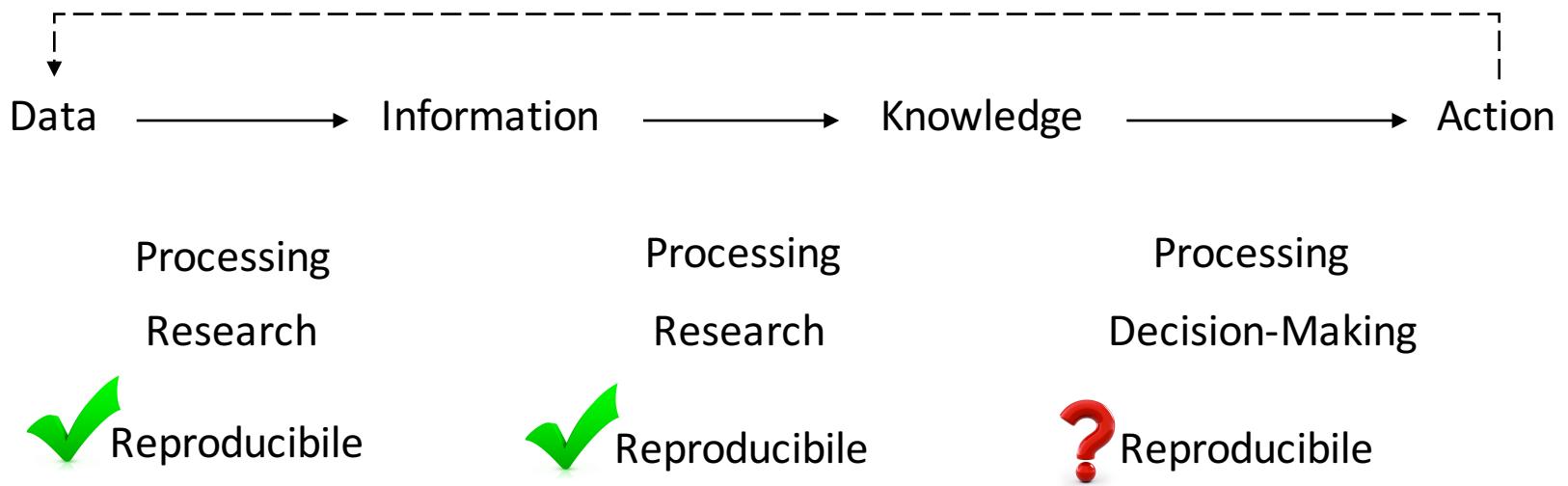
From Data to Action



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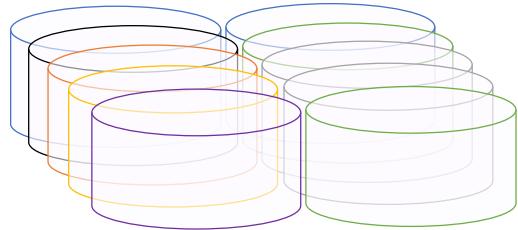
From Data to Action



Are there implications for Policy/decision-making processes?

Prospective thinking ...

From
Disparate Data Sources

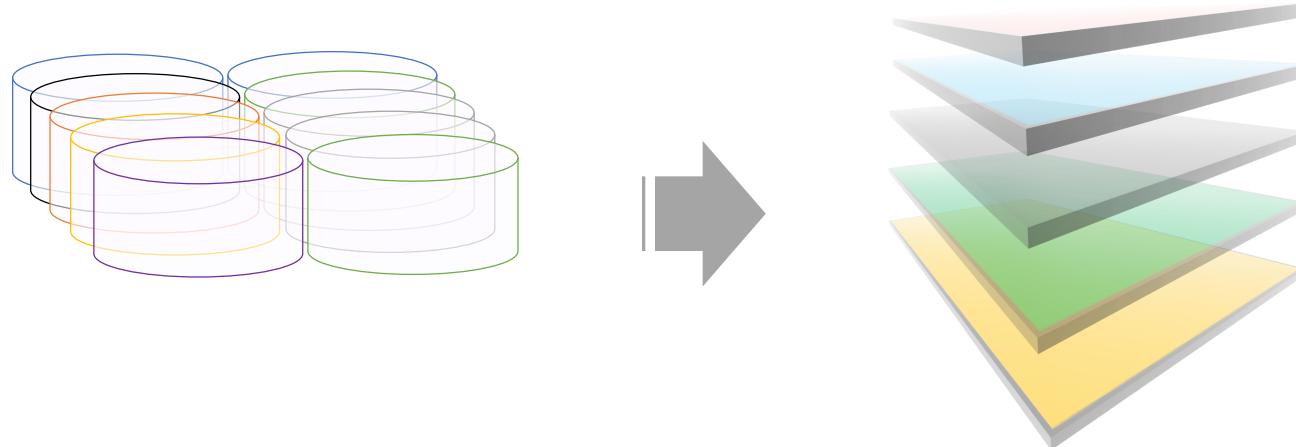


From

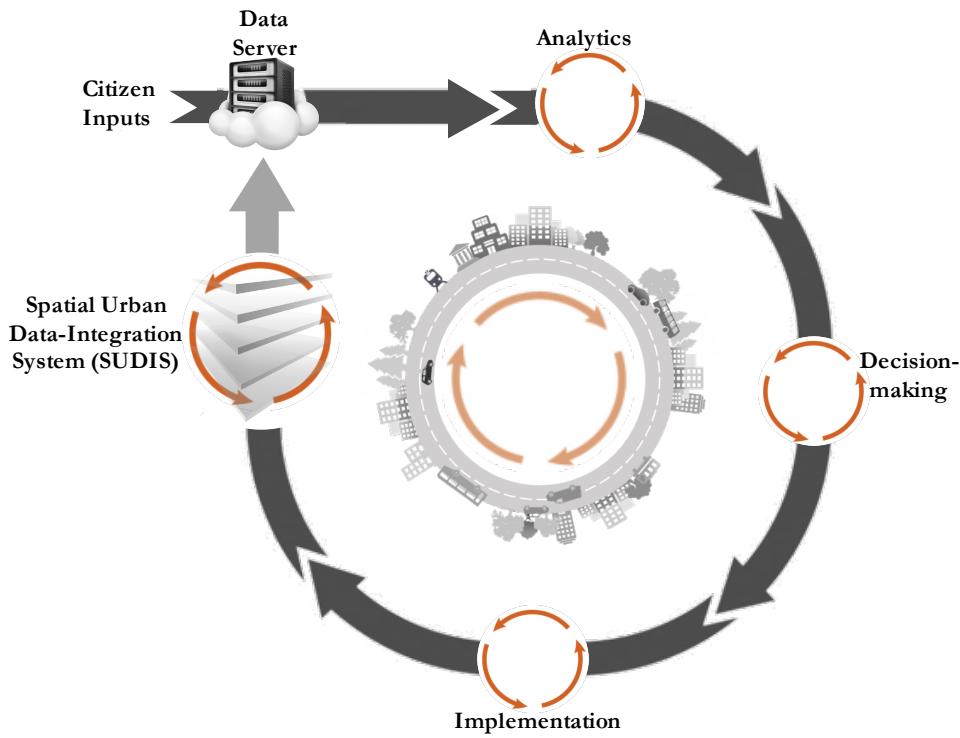
Disparate Data Sources

To

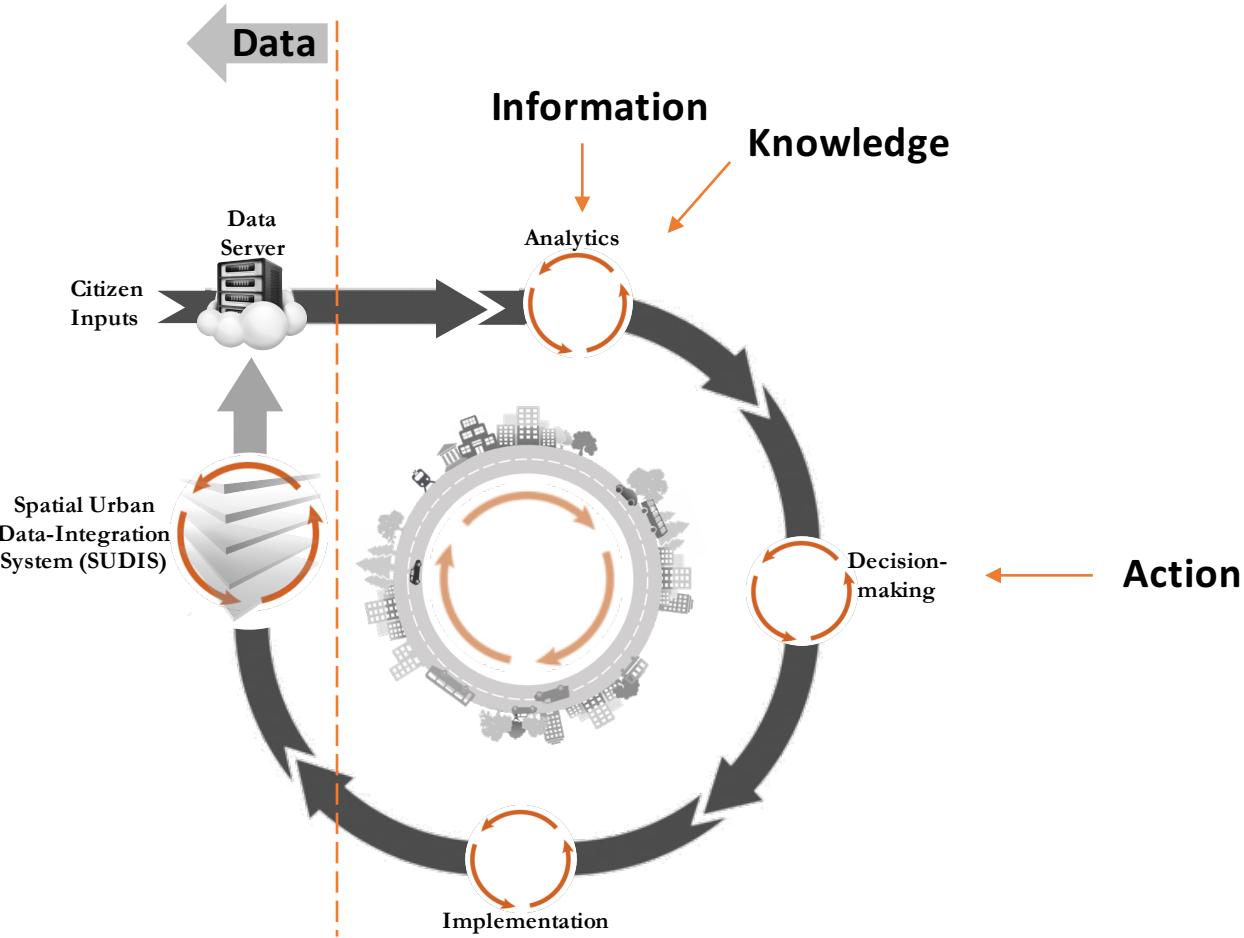
Integrated Data Systems for Urban Policy



A Data-Driven City Management Process



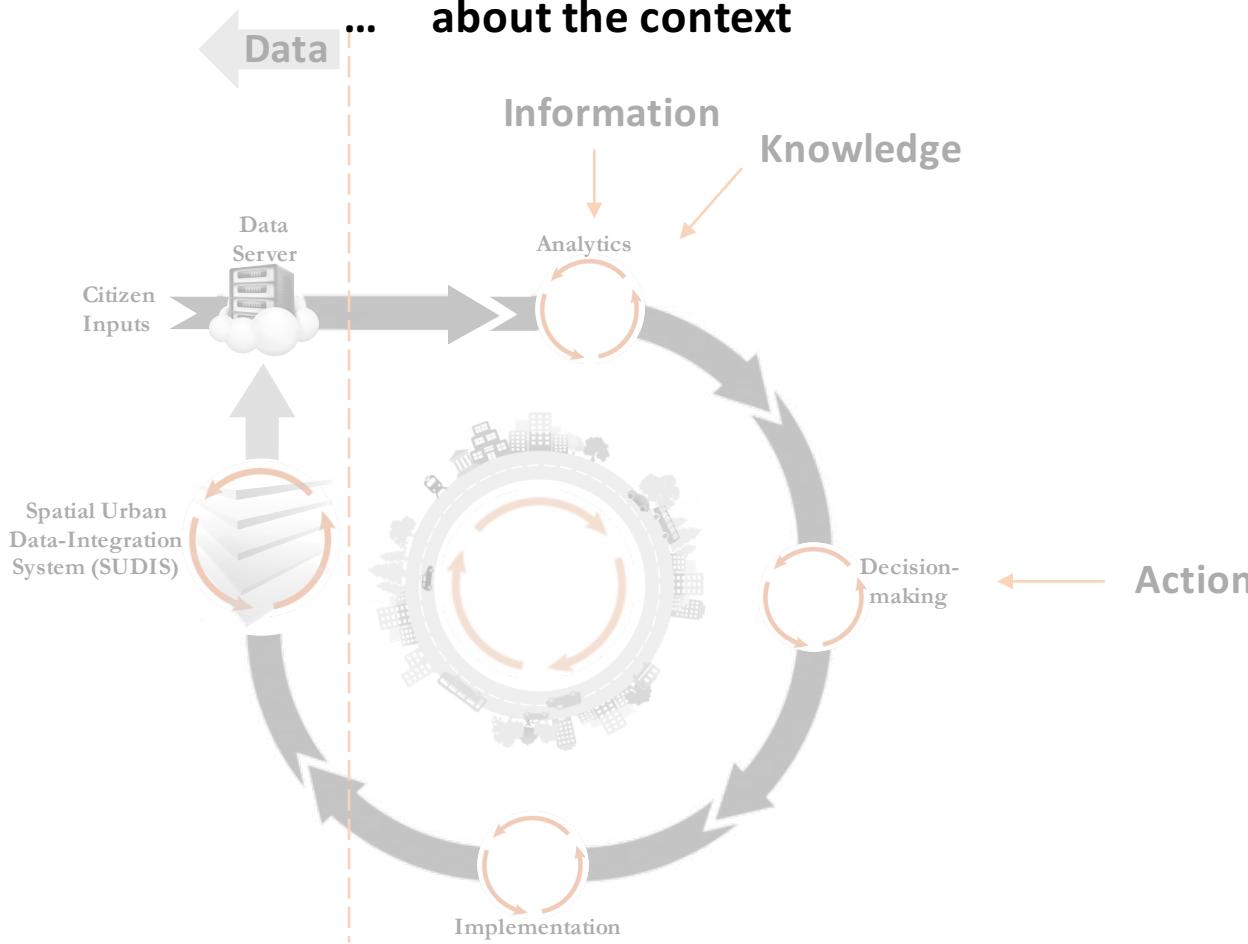
A Data-Driven City Management Process



**You can only imagine it with a holistic approach
through the process**

It is about who does what

**... about share of Artificial vs. Human intelligence in decision making
... about the context**



how does your research relate to decision-making?
who does what in that “decision-making?”
is that “what” reproducible?