



False Choices, Policy Framing, and the Promise of "Big Data"

Presidential Address

November 8, 2013

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It All Starts with Data

"In God we trust; all others bring data."

- W.E. Deming, Statistician

"Not everything of value can be measured."

- Wall Street Journal, May 17, 2013





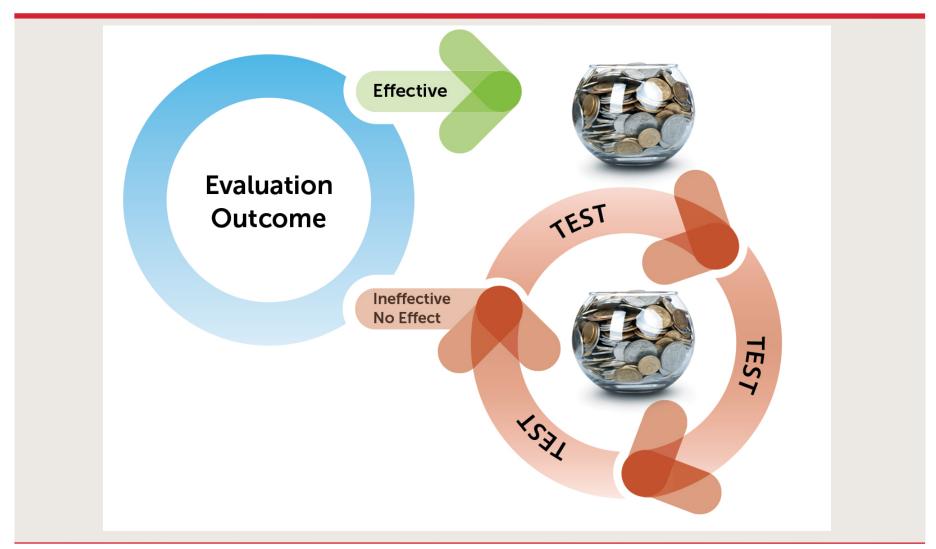
The False Choice Equation







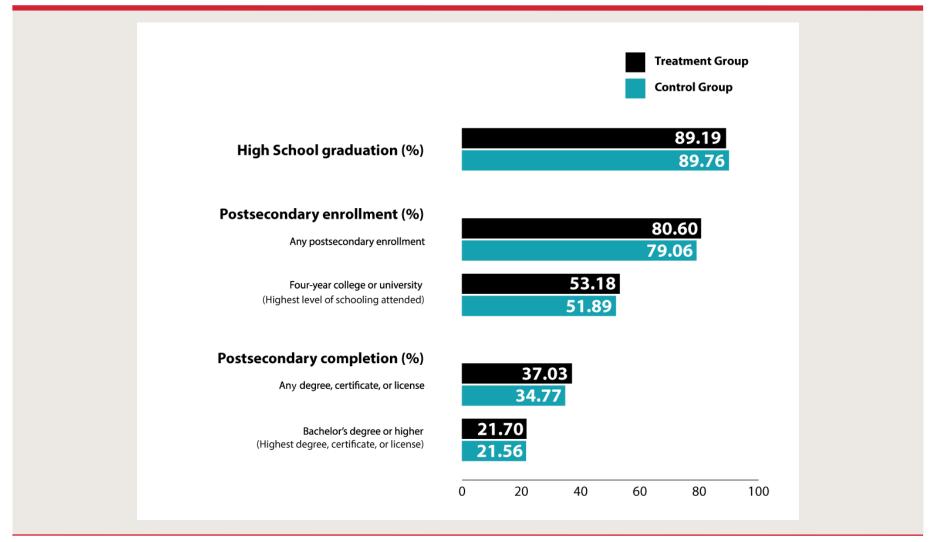
The Nuanced Choice







Case in Point: Upward Bound







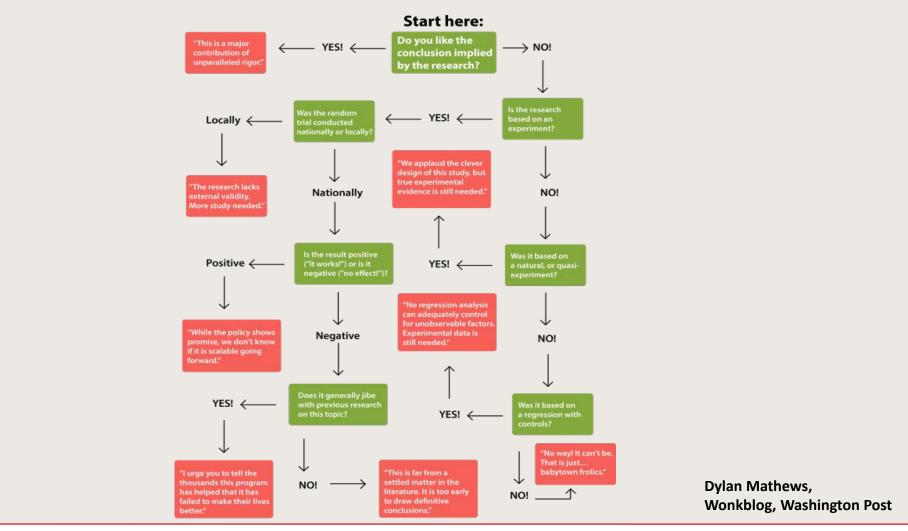
1.Cast doubt on findings

2. Work to prohibit further research





How to Argue with Research You Don't Like







1. Cast doubt on findings

2. Work to politic further research





"You can't tell a kid, 'You're going to be in this life-changing program,' and then say, 'no, you're only going to be in a control group."

Education Week





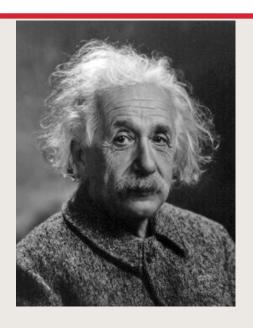
"Random assignment is the wrong way to study their efforts because program operators typically require students to undergo an elaborate application process as a way to show commitment and winnow out candidates unlikely to succeed."

Education Week





Spend More Time on Approaches



"If I had an hour to solve a problem I'd spend 55 minutes thinking about the problem and 5 minutes thinking about solutions."

- Albert Einstein





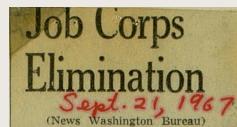
Reframing the Evidence Conversation

- Stable commitment of resources
- Evidence is generated on a continual basis
- Research becomes an ally not a threat
- Programs evolve in their populations' best interest





Premature Obituary: Job Corps



WASHINGTON — The Job Corps program as presently operated by the Office of Economic Opportunity (OEO) has little chance of surviving an economy-minded Congress, but it is too early to say whether the Custer Job Corps Center in Michigan will be closed.

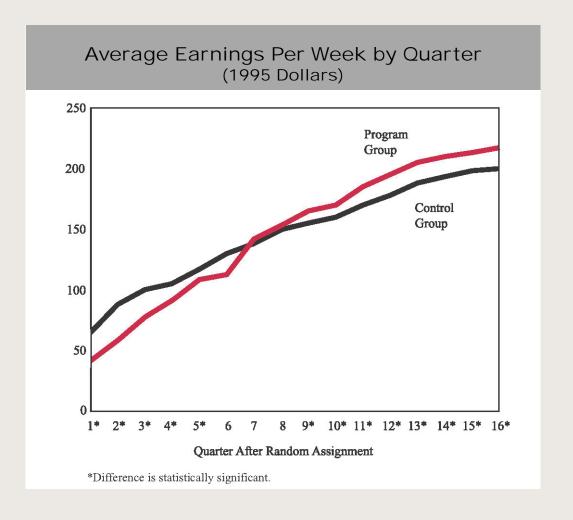
This appraisal was made today by Rep. Marvin L. Esch, R-Ann Arbor, a member of the House Education and Labor Committee which is starting final deliberations on the antipoverty bill.

Esch said a majority of committee members believes that the Job Corps met a limited objective for a few people at an extremely high cost. He said





Job Corps Earning Impacts







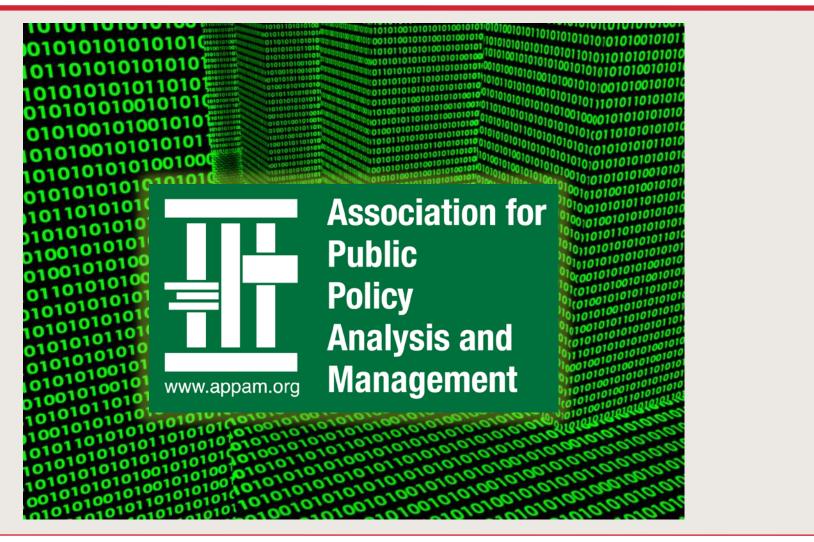
Paul's Policy and Practice Takeaways

- Continue to support and generate evidence
- 2. Re-frame the evidence conversation beyond the binary choice
- 3. Don't be shy about connecting the dots





APPAM and "Big Data"







A Symbiotic Relationship With Technology



Disruptive Innovation Defined

"Technologies, processes or business models that bring to market products or services that are more affordable and simpler to use than what is currently available. It enables more consumers in that market to afford and/or have the skill to use the product or service. The change caused by such an innovation is so big that it eventually replaces, or disrupts, the established approach to providing that product or service."

Clayton Christensen





"Big Data"



"Big Data"







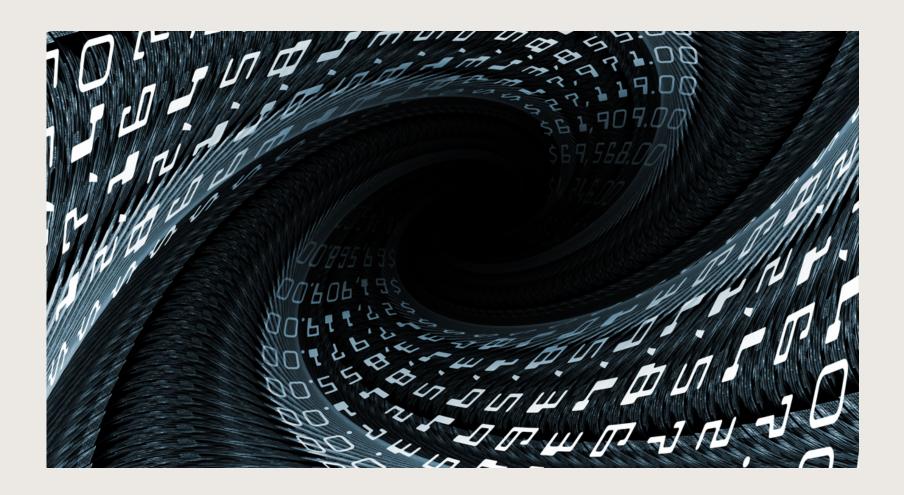
"Big Data"







Data Tsunami







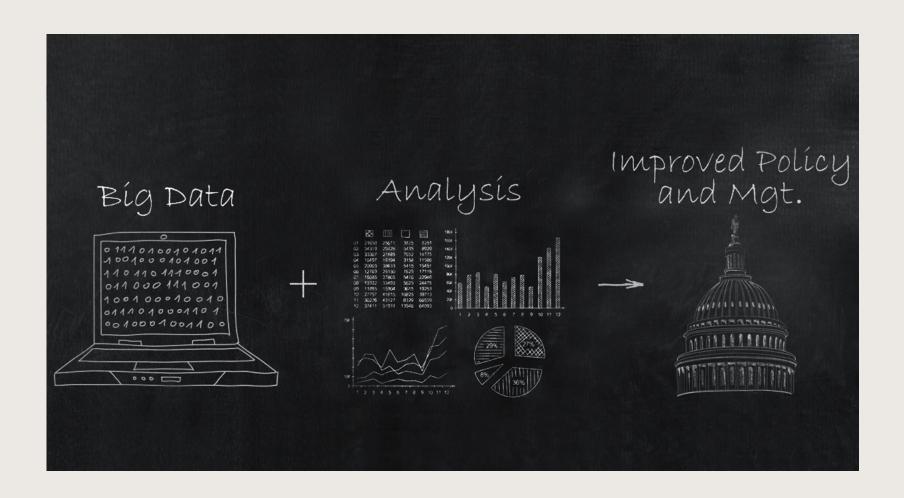
"Juking the Numbers"







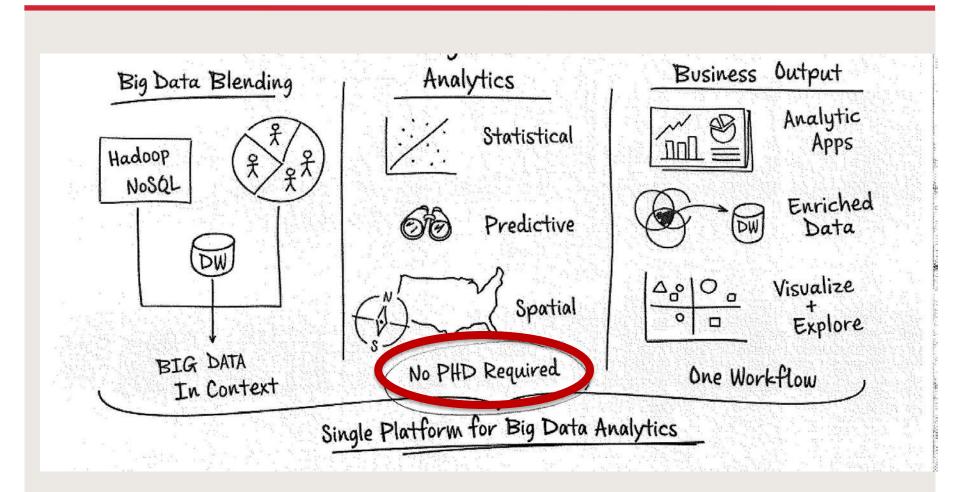
APPAM's Sweet Spot







No Research Expertise Required







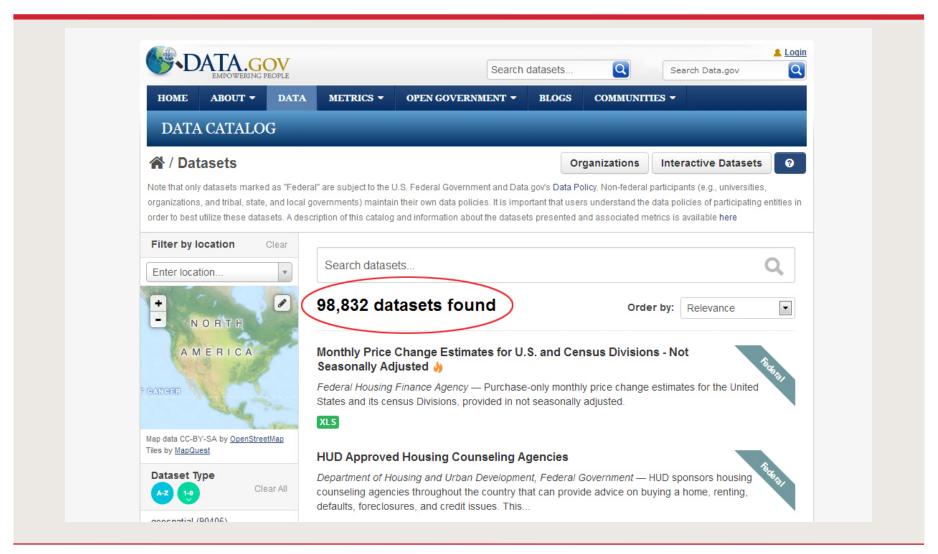
The APPAM Advantage

- Public management experience
- Methods expertise
- Policy analysis and evaluation
- Translation of data and research into practice





Democratization of Data







Half Full?







Conclusion

- Commit to research and evidence, especially when it's inconsistent with our initial beliefs.
- We must remain nonpartisan and objective
- Realizing the full potential of "Big Data" is in our hands
- Ask the questions and set the framework, what gets asked gets answered.





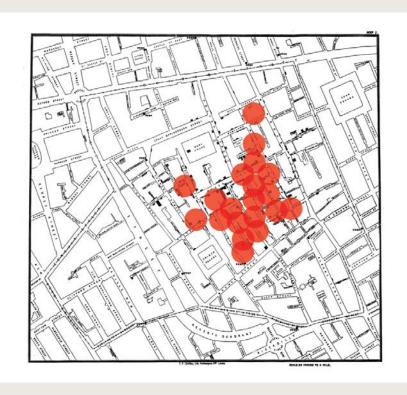
Pythagoras





John Snow and the Broad Street Water Pump







Joel Fleischman

- Seed a problematic field with research and trials
- Define clear and achievable goals
- Devise evidence-based strategies to get there
- Help guide society toward that sweet spot on the horizon





GIVE

SMART

For More Information

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