Challenges & Opportunities for SBE

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• Low-information elections

• Coalition bargaining

Coalition Termination

September 1990


Lemma 10: If the consequence of the first party's failure to make an acceptable offer is a coalition between the second and one party, the first and second result.

\[ \left( \frac{1 - \epsilon}{\delta} \right) \text{ and } \left( \frac{1 - \epsilon}{\delta} \right) \text{ are first and second reductio} \]

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Lemma 11: If the consequence of the first party's failure to make an acceptable offer is a coalition between the second and one party, the first and second result.

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Coalition Offering parties offer an the best acceptable offer after they are.

\[ \left( \frac{1 - \epsilon}{\delta} \right) \text{ is the minimum offer that party } k \text{ will accept from party } j \text{ under the threat of an election.} \]

Conditions C. No offering party accepts the best acceptable offer if it can make to the status quo.

Formal Statements of Conditions A, B, and C

Conditions A. These exist that agents prefer an election to the status quo.

\[ (x_2 + x_1 \geq \delta) \text{ or } (x_2 + x_1 < \delta) \]

or

\[ (x_2 + x_1 \geq \delta) \text{ or } (x_2 + x_1 < \delta) \]

\[ (x_2 + x_1 \geq \delta) \text{ or } (x_2 + x_1 < \delta) \]

Proof of Theorem 1: Notice that the only conditions under which the event can lead to dissolution are specified in Lemma 2. Conditions A and B specify the bid set of such conditions.

Conditions A. Since at least one of two parties must have enough votes to constitute a majority, not \( A \) implies that either

\[ (x_2 + x_1 \geq \delta) \text{ and } (x_2 + x_1 < \delta) \]

or

\[ (x_2 + x_1 < \delta) \text{ or } (x_2 + x_1 \geq \delta) \]

or

\[ (x_2 + x_1 < \delta) \text{ and } (x_2 + x_1 \geq \delta) \]

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\[ (x_2 + x_1 \geq \delta) \text{ and } (x_2 + x_1 < \delta) \]

Then, if first A, then there exist no majority that prefers an elections to the status quo. Since a majority is required to defeat the vote of confidence and since a defeated vote of confidence is required for dissolution, dissolution necessitates A.

Coalition

\[ A \]

\[ B \]

\[ C \]

\[ D \]

\[ E \]

\[ F \]

\[ G \]

\[ H \]

\[ I \]

\[ J \]

\[ K \]

\[ L \]

\[ M \]

\[ N \]

\[ O \]

\[ P \]

\[ Q \]

\[ R \]

\[ S \]

\[ T \]

\[ U \]

\[ V \]

\[ W \]

\[ X \]

\[ Y \]

\[ Z \]
Seeking SBE’s Advice
Not just academic

- Photo: Scientific American
Not just academic
Why on earth would taxpayers or legislators support federal funding of social science?
Taxes are not voluntary
Taxpayers with Questions
Reasonable Questions

• To what end?

• Of what value?

• To whom?
Senator Coburn
What is the value of social science research?
They have legitimate concerns.
Concerns & Complaints

• We speak in jargon.

• We are slow.

• We are expensive.

• We are ideological rentseekers.
This story gets worse before it gets better....

• http://static.guim.co.uk/sys-images/Guardian/Pix/pictures/2013/7/23/1374573546005/Pile-of-smart-phones-008.jpg
What is the value of social science research?
An ivory tower perspective
“They don’t understand how valuable we are.”
Things that are “over”
(at least for a while)

• Universities’ **1000-year near monopoly** on certain kinds of information provision

• Blank checks from Congress.
Our Grand Challenge

Provide greater service
Of more value
To more people
What is the public value of social science?

It is a source for credible and legitimate evaluations.
Strategy: Science as service

• How can we increase the value of SBE to people who can benefit from it?

• How can SBE more effectively serve more social constituents?
Three Factors

• Improve communication*

• Improve stakeholder engagement

• Improve trust
Proposal

• NOT: Dumb down

• YES: Smarten up about how to convey our knowledge base in ways that earn others’ attention and provide value to them
Our Grand Challenge

Provide greater service
Of more value
To more people
Proposals from the NAS RT

- Develop a searchable database of case studies using SBE to address important problems.
- Communication tools for improving relations with policymakers/public.
- Create forums where producers can listen to stakeholders.
- Workshop on K-12 education.
- The role of diversity in technological advancement.
Thank you!