

One of these things is not like
the other:

Scoping social science disciplines
and methods

Lisa M. Campbell
Rachel Carson Associate Professor
NSOE, Duke University

Social Sciences Plural....

Economics

Psycho
logy

Anthropology

Linguistics

Public
Policy

Political Science

History

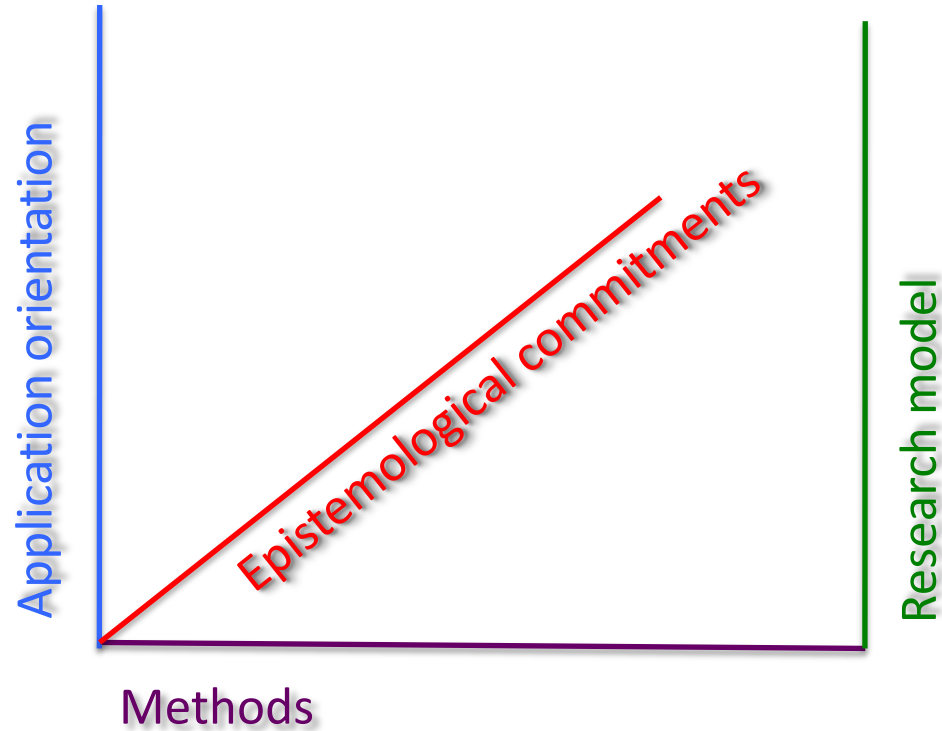
Sociology

Human

Geography

Law

Variation along multiple axes



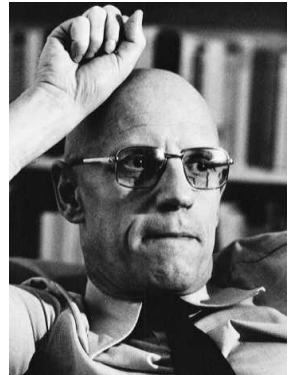
Variation along multiple axes



Objective

Only what we see and measure, following scientific methods, produces knowledge

'Positivism'



Variation along multiple axes

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Brewer, J. F. 2011. Paper fish and policy conflict: catch shares and ecosystem-based management in Maine's groundfishery. *Ecology and Society* 16(1): 15. [online] URL: <http://www.ecologyandsociety.org/vol16/iss1/art15/>

Research

Paper Fish and Policy Conflict: Catch Shares and Ecosystem-Based Management in Maine's Groundfishery

*Jennifer F. Brewer*¹

Can Catch Shares Prevent Fisheries Collapse?

Christopher Costello^{1,*}, Steven D. Gaines² and John Lynham^{3,†}

19 SEPTEMBER 2008 VOL 321 SCIENCE www.sciencemag.org

Intensive/qualitative

The case

The specifics

Research model

Extensive/quantitative

Meta-analysis

The general

Variation along multiple axes

Of Data COLLECTION

Existing data sets – census, FAO stats., etc.

Experiments

Structured surveys

Texts/images

Interviews (individual and group)

Participant observation

Ethnography

Participatory research methods (mapping, seasonal calendars, Q-sorts, etc., photo elicitation)

Game simulations

Of Data ANALYSIS

Modeling

Statistics (descriptive, inferential, etc.)

Content analysis

Semantic Network Analysis

Social Network Analysis

Qualitative analyses (grounded theory)

“Thick, rich” description

Methods

Quantitative

Qualitative

Various content analysis exercises

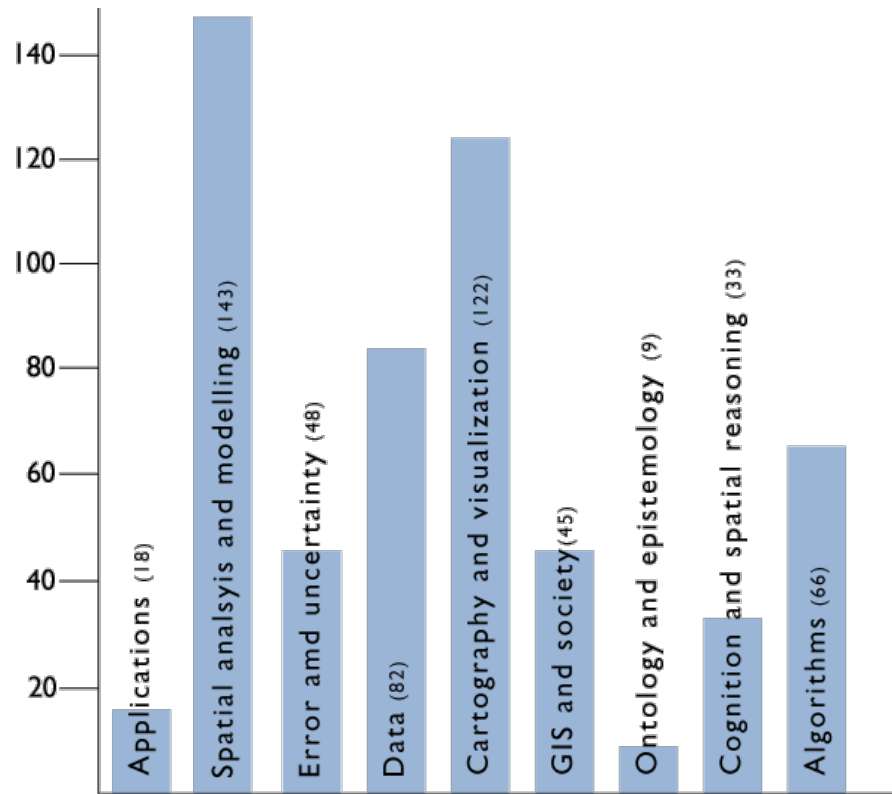
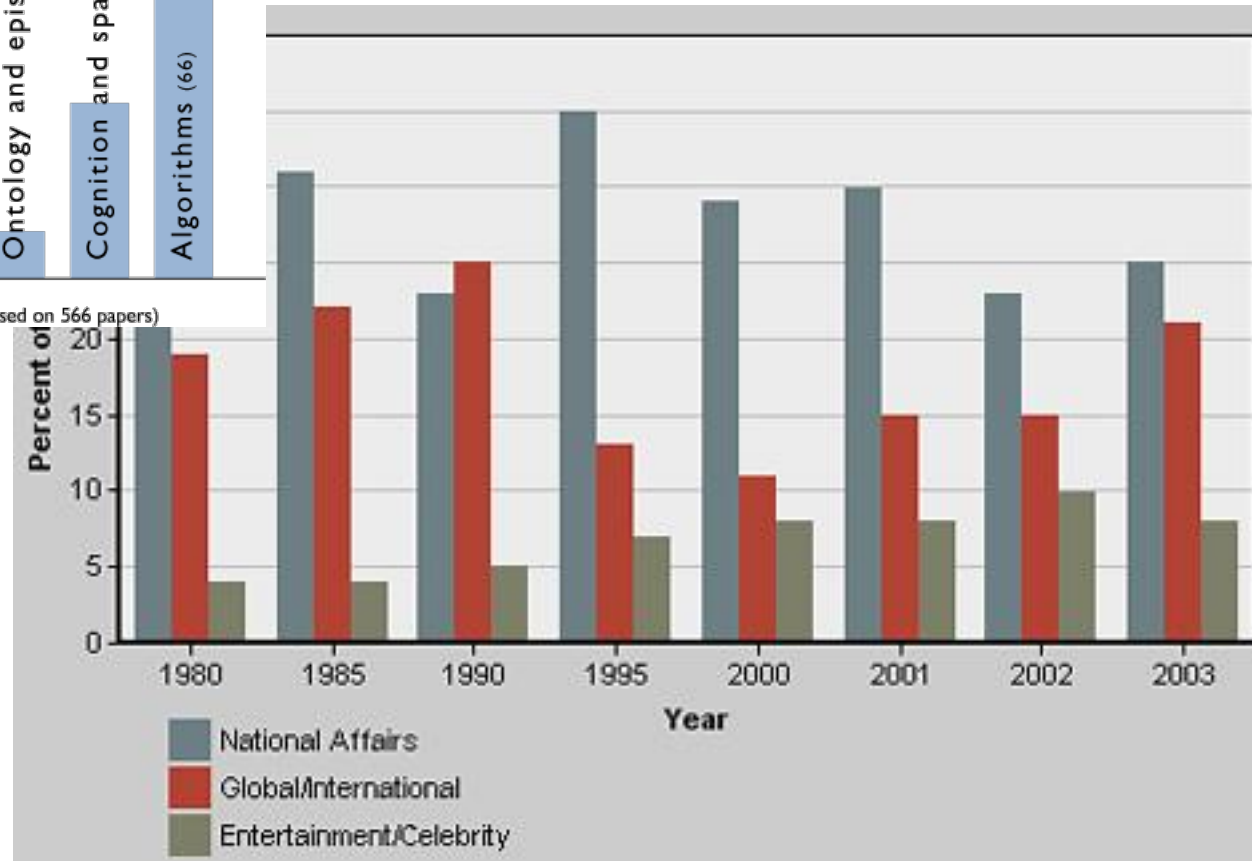
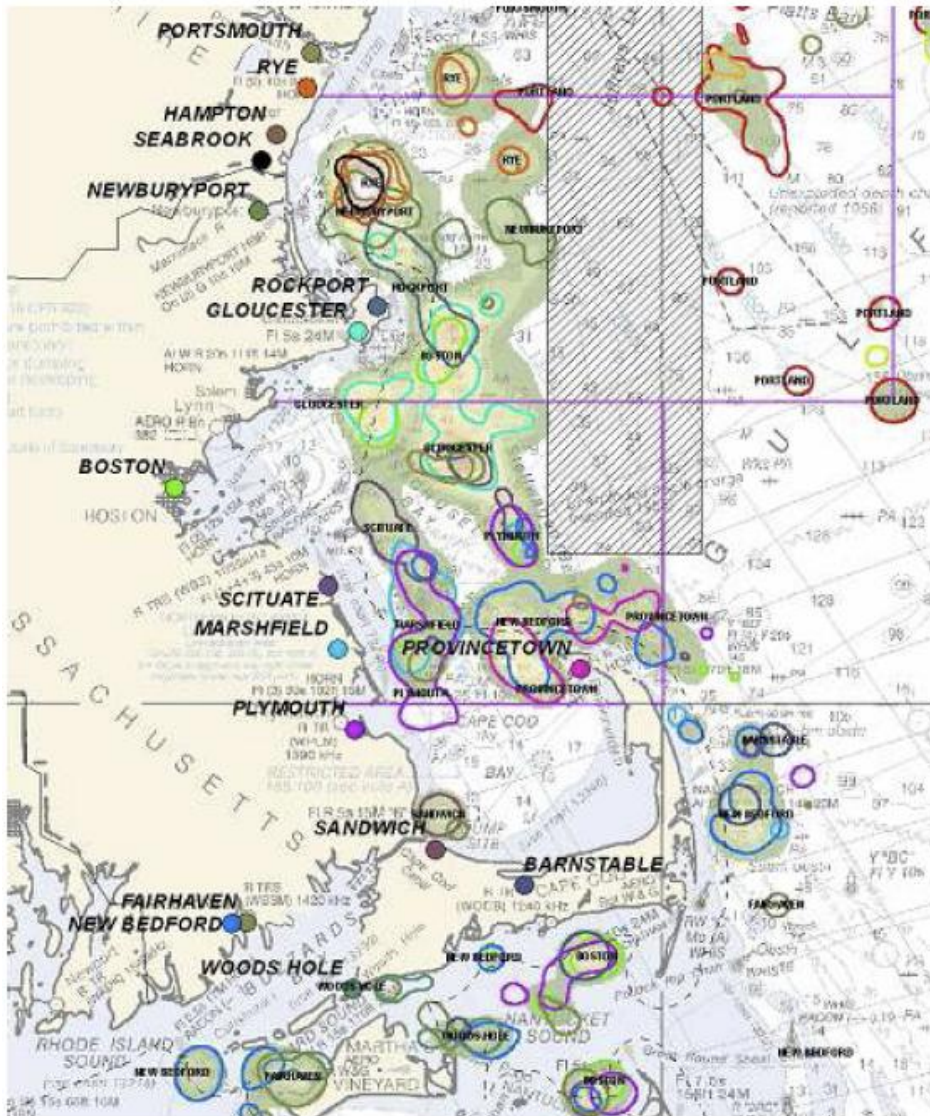


Figure 5.1. Content analysis of GIS journals from 1995-2001 (based on 566 papers)





Kevin St. Martin's critical mapping

Variation along multiple axes

Rough Waters



Nature and Development in an East African Marine Park

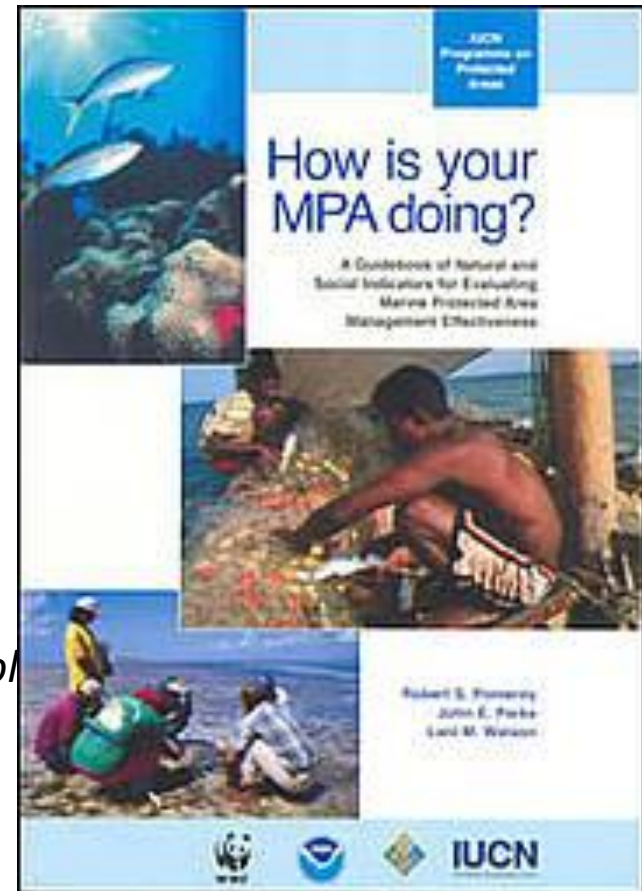
Christine J. Walley

ic / Critical

*me tell you about the context in which your
cy/program is unfolding...*

ed / Instrumental

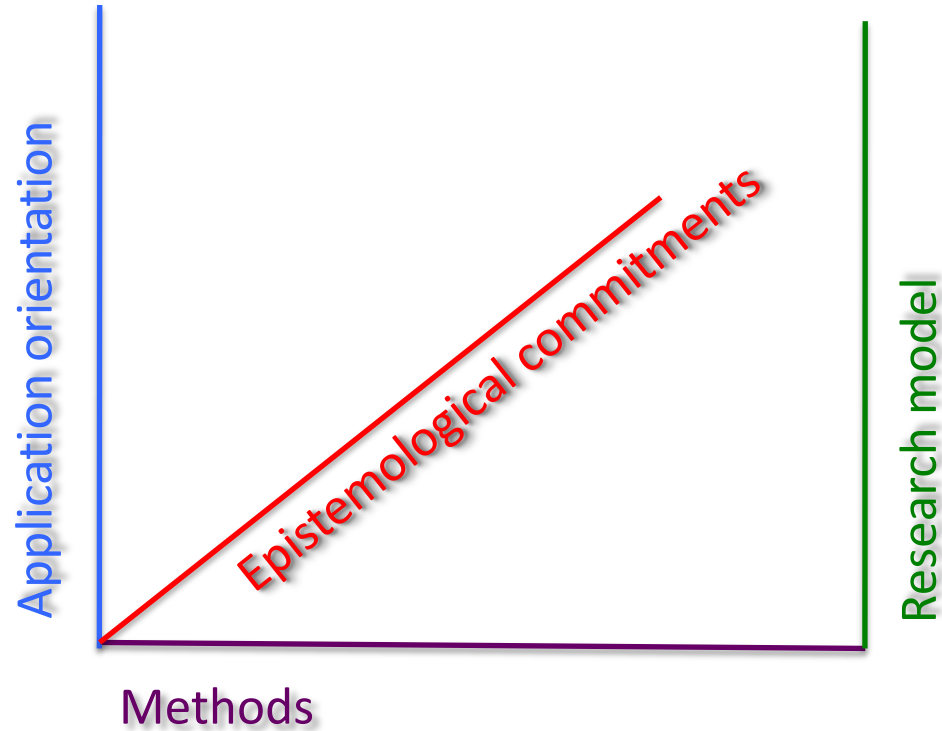
can I help you make this pol



What social science research isn't...

- Education and outreach
- Stakeholder engagement
- The 'fix'
- Common sense

Variation along multiple axes



Ethics



Turks and Caicos Turtle Project

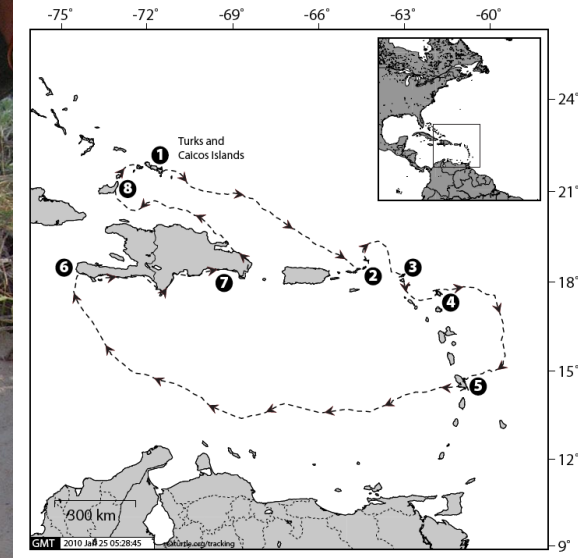
Multi-country, collaborative...



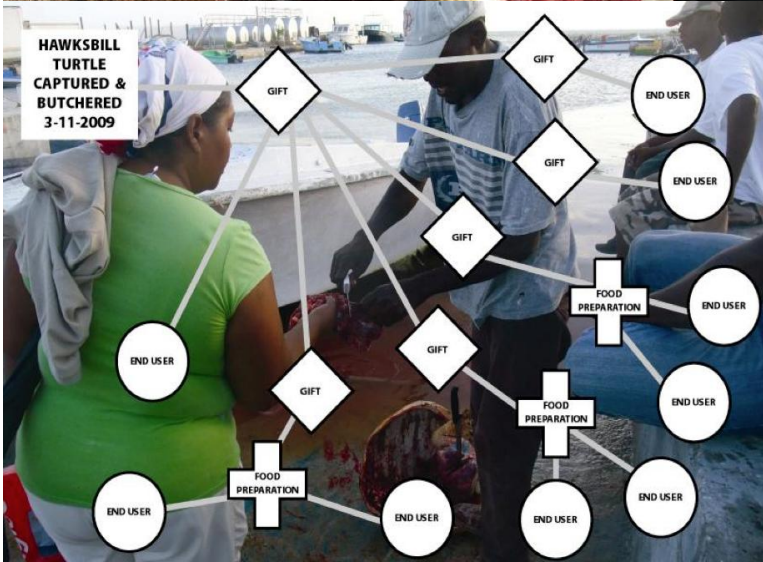
Phase 1: 2001-2004

Phase 2: 2008-2012

...interdisciplinary



...multi-method



...participatory project



...with policy implications