

The metamodernist paradigm of STS methodologies

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Modernity

Postmodernity

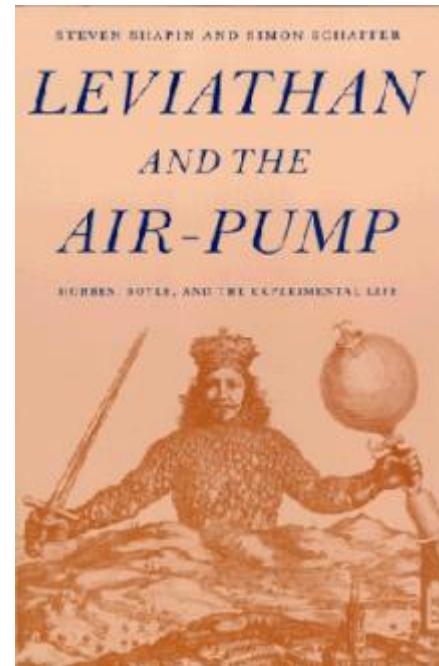
purpose	■■■■■■■■■	playful
planned	■■■■■■■	chance
order	■■■■■■■■■	anarchy
imposing	■■■■■■■■■	participation
functional	■■■■■■■■■	non-functional
extropianism	■■■■■■■■■	nihilism
individual	■■■■■■■	group
absolute	■■■■■■■	relative
philosophy	■■■■■■■	critic
majority	■■■■■■■	minority

PRIDEGREE
DESIGN STUDIO
STUDIOS.COM

Science \neq Politics

Modernity

Quantitative methods



COMPARING QUALITATIVE & QUANTITATIVE RESEARCH

Qualitative Research	RESEARCH ASPECT	Quantitative Research
Discover Ideas, with General Research Objects	COMMON PURPOSE	Test Hypotheses or Specific Research Questions
Observe and Interpret	APPROACH	Measure and Test
Unstructured. Free Form	DATA COLLECTION APPROACH	Structured Response Categories Provided
Research is intimately involved. Results are subjective	RESEARCHER INDEPENDENCE	Researcher uninvolved Observer. Results are Objective
Small samples –Often in Natural setting	SAMPLES	Large samples to Produce Generalizable Results [Results that Apply to Other Situations]

SHAYA'A OTHMAN

Science = Politics

Postmodernity

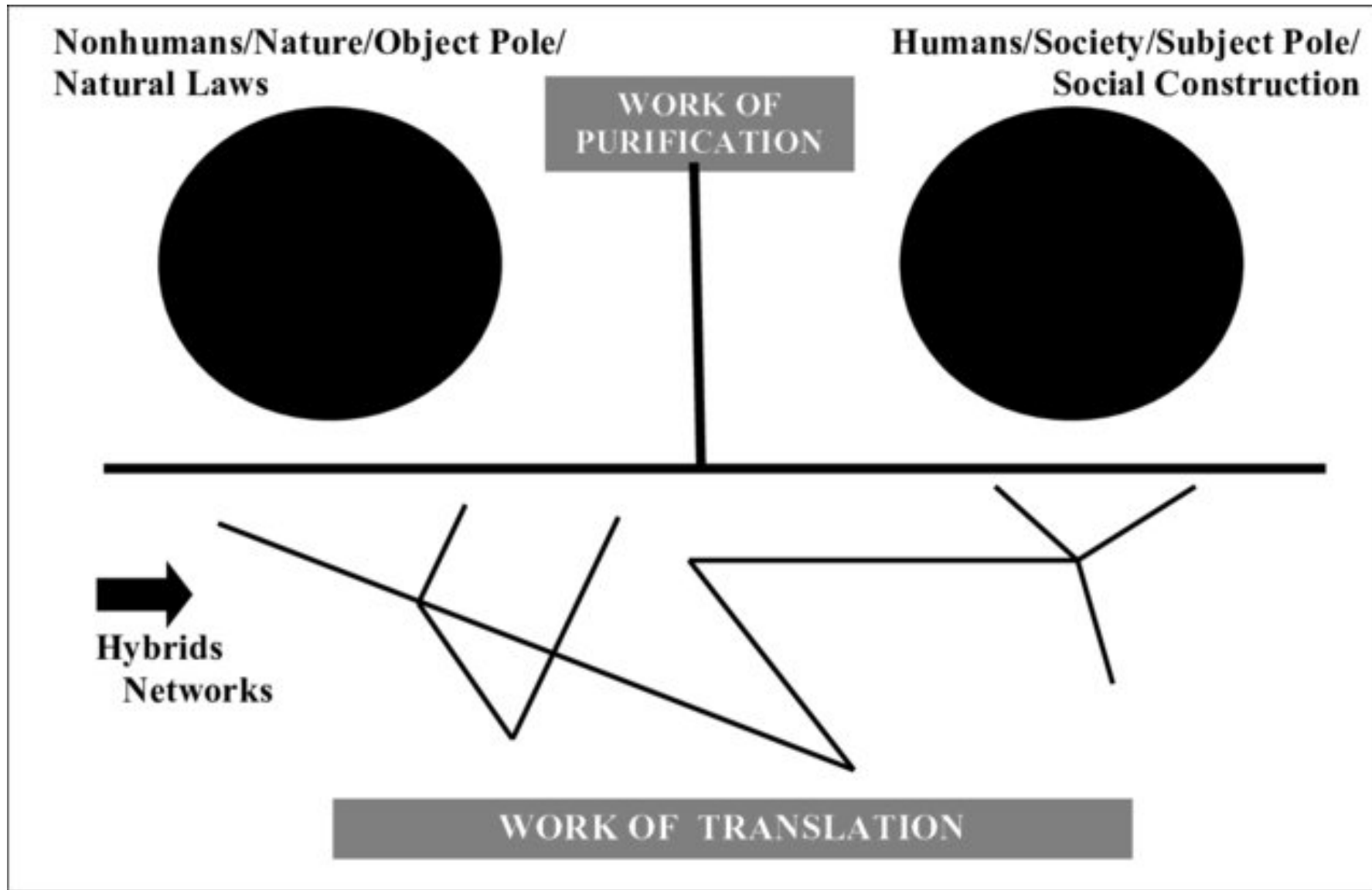
Qualitative methods

Steven Shapin and Simon Scheffer (1988) Leviathan and the air-pump.

Gary Grossman (2017) GTD 505 Research design. Personal notes. Arizona State Univerity

<https://covenantroyals.wordpress.com/2015/07/30/modernism-vs-postmodernism/>

Shaya'a Othman (2011) <http://shayaaresearch.blogspot.com/2011/04/qualitative-vs-quantitative-research-v.html>



Amodernity

[Science+Policy]

Metamodernity

1. We recognize oscillation to be the natural order of the world.

7. Just as science strives for poetic elegance, artists might assume a quest for truth. All information is grounds for knowledge, whether empirical or aphoristic, no matter its truth-value. We should embrace the scientific-poetic synthesis and informed naivety of a magical realism. Error breeds sense.

1) alter-globalization movements, 2) right-wing populism 3) fourth-wave terrorism and war, 4) awareness of the "anthropocene," 5) financial crises, 6) TICs revolutions and the logic of network culture, 7) a fourth quantum leap in capitalist productivity and a "fourth update of capitalism."

"[m]etamodernism is a structure of feeling that emerges from, and reacts too, the postmodern as much as it is a cultural logic that corresponds to today's stage of global capitalism" (p. 5)



If this is an awful mess . . . then would something less messy make a mess of describing it?

STS as method

— John Law (2015,2017)

THE HANDBOOK OF SCIENCE AND TECHNOLOGY STUDIES

FOURTH EDITION

EDITED BY

Ulrike Felt, Rayvon Fouché, Clark A. Miller
AND Laurel Smith-Doerr

Study case	Assumption	Oscillation
Donald MacKenzie (1978)	Statistics had the best methods to deal with data analysis.	Social Shaping: Measures are invented, disputed and socially situated
Shapin, Steven, and Simon Schaffer (1985)	Nature is separated from the social.	Experiment, Social and materials technologies creates the separation in a historical context
Donna Haraway (1989)	Experimentation justifies un-ethical human practices for animal research	Gender perspectives in research challenge patriarchal science practices
Law (2009)	Surveys represent social perceptions	Performativity enacts (interviewers/collectivities) formatting
Callon (1986)	Scientists, Fishermen and scallops has particular roles and hierarchies.	All are actors are symmetrical. All seek to enrol others in their schemes.
Anne Marie Le Mol (2002)	Arteriosclerosis is one disease with particular symptoms and standardized procedures.	She says that different practices enact different arteriosclerosis.
Judith Tsouvalis and Claire Waterton ((2012; 2015))	English Lake District Lake has an algae bloom. Solve the problem requires interprofessional efforts.	Collective mediation spark reflexivity to face the complexities of human-non-human relations.

MacKenzie, Donald (1978), 'Statistical Theory and Social Interests: A Case-Study', *Social Studies of Science*, 8: (1), 35-83, (February 1, 1978), also available at <http://sss.sagepub.com/content/8/1/35.abstract>.

Shapin, Steven, and Simon Schaffer (1985), *Leviathan and the Air Pump: Hobbes, Boyle and the Experimental Life*, Princeton: Princeton University Press.

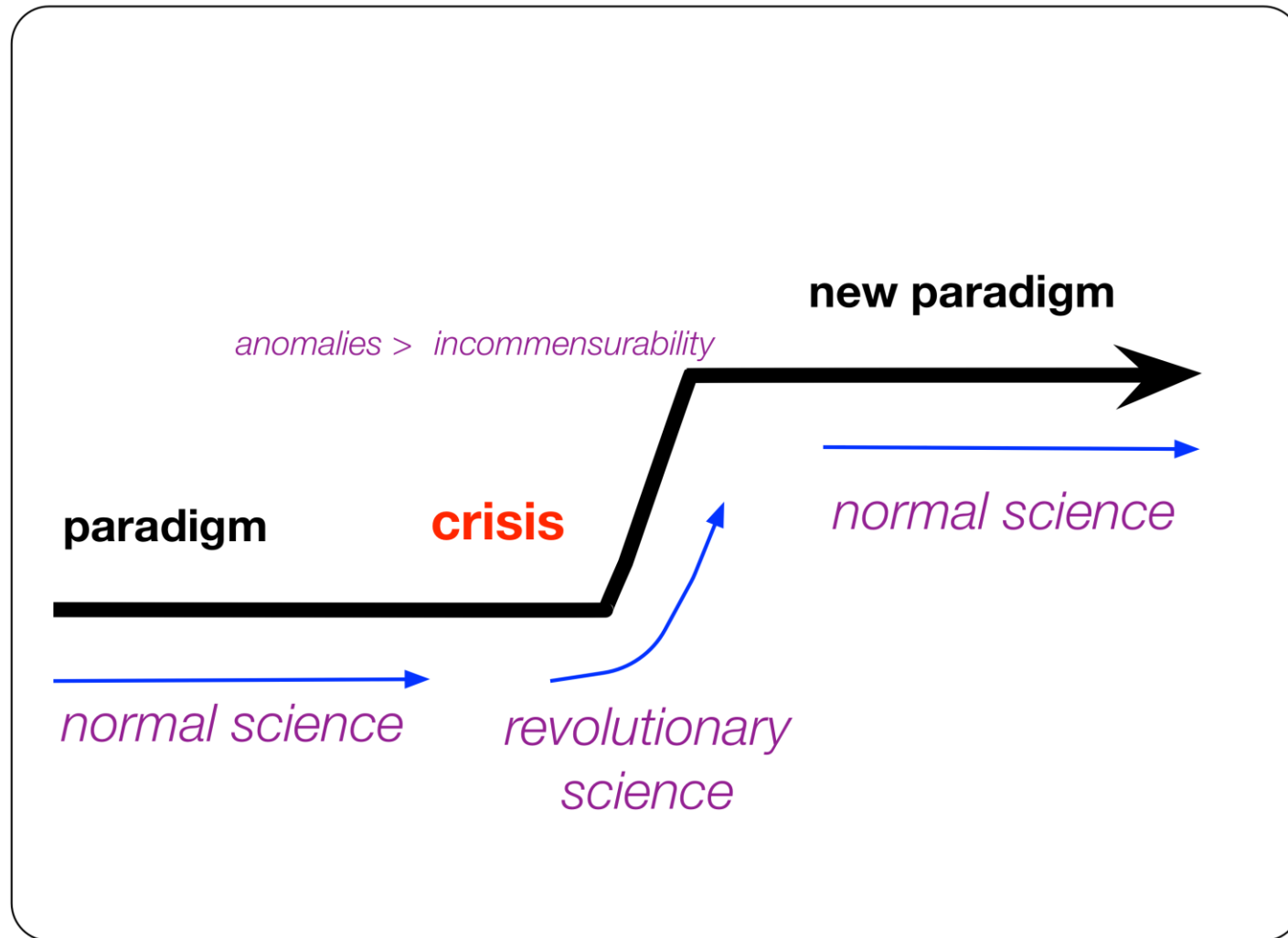
Haraway, Donna J. (1989), *Primate Visions: Gender, Race and Nature in the World of Modern Science*, London: Routledge and Chapman Hall.

Law, John (2009), 'Seeing Like a Survey', *Cultural Sociology*, 3: (2), 239-256.

Callon, Michel (1986), 'Some Elements of a Sociology of Translation: Domestication of the Scallops and the Fishermen of Saint Briec Bay', pages 196-233 in John Law (ed.), *Power, Action and Belief: a new Sociology of Knowledge? Sociological Review Monograph*, 32, London: Routledge and Kegan Paul.

Mol, Annemarie (2002), *The Body Multiple: Ontology in Medical Practice*, Durham, N. Ca., and London: Duke University Press

Tsouvalis, Judith, and Claire Waterton (2012), 'Building 'participation' upon critique: The Loweswater Care Project, Cumbria, UK', *Environmental Modelling & Software*, 36, 111-121, also available at <http://www.sciencedirect.com/science/article/pii/S1364815212000369>.



As such, metamodernism includes many developments across the arts, sciences, politics, and culture that are not even aware of, or know how they fit into, metamodernism.

Oscillations

Luke Turner (2011) *Metamodern manifesto*
The metamodern condition (2017) <https://medium.com/the-abs-tract-organization/the-metamodern-condition-1e1d04a13c4>



METAMODERNIST // MANIFESTO

by shia labeouf

1. We recognize oscillation to be the natural order of the world.
2. We must liberate ourselves from the inertia resulting from a century of modernist ideological naivety and the cynical insincerity of its antonymous bastard child.
3. Movement shall henceforth be enabled by way of an oscillation between positions, with diametrically opposed ideas operating like the pulsating polarities of a colossal electric machine, propelling the world into action.
4. We acknowledge the limitations inherent to all movement and experience, and the futility of any attempt to transcend the boundaries set forth therein. The essential incompleteness of a system should necessitate an adherence, not in order to achieve a given end or be slaves to its course, but rather perchance to glimpse by proxy some hidden exteriority. Existence is enriched if we set about our task as if those limits might be exceeded, for such action unfolds the world.
5. All things are caught within the irrevocable slide towards a state of maximum entropic dissemblance. Artistic creation is contingent upon the origination or revelation of difference therein. Affect at its zenith is the unmediated experience of difference *in itself*. It must be art's role to explore the promise of its own paradoxical ambition by coaxing excess towards presence.
6. The present is a symptom of the twin birth of immediacy and obsolescence. Today, we are nostalgists as much as we are futurists. The new technology enables the simultaneous experience and enactment of events from a multiplicity of positions. Far from signaling its demise, these emergent networks facilitate the democratization of history, illuminating the forking paths along which its grand narratives may navigate the here and now.
7. Just as science strives for poetic elegance, artists might assume a quest for truth. All information is grounds for knowledge, whether empirical or aphoristic, no matter its truth-value. We should embrace the scientific-poetic synthesis and informed naivety of a magical realism. Error breeds sense.
8. We propose a pragmatic romanticism unhindered by ideological anchorage. Thus, metamodernism shall be defined as the mercurial condition between and beyond irony and sincerity, naivety and knowingness, relativism and truth,

**Metamodernism as a negotiation
between modernism and
postmodernism.**

Dialogue over dialectics.

Paradox. (a.k.a controversies)

Juxtaposition.

The collapse of distances.

Multiple subjectivities

Collaboration.

**Simultaneity and generative
ambiguity.**

**An optimistic response to tragedy by
returning, albeit cautiously, to
metanarratives.**

Interdisciplinarity.

STS method(s)
are in/on/at
metamodern
knowledge
space/s

Thanks!

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Thanks for the generous support in my research program
and this travel to:

**PLUS
ALLIANCE**
PHOENIX | LONDON | SYDNEY

