

Research I: Principles

Administration

Let's review the syllabus.

A Taxonomy of Research

4 levels of research - basic disciplines, management, applied - lit review data-driven decision making, HBR

Some Desirable Features of Research

1. Falsifiability:

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1. Falsifiability:
2. Defensibility:

Some Desirable Features of Research

1. Falsifiability:
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Some Desirable Features of Research

1. Falsifiability:
2. Defensibility:
3. Replicability:
4. Applicability:

Today's Readings

- ▶ Falsifiability: Popper, K. R. (2002)
- ▶ Defensibility: Mantere, S., and Ketokivi, M. 2013
- ▶ Replicability: Nosek, B. A. and Errington, T. M. 2020
- ▶ Applicability: Rynes, S. L., and Bartunek, J. M. (2017)

Falsifiability

My proposal is based upon an asymmetry between verifiability and falsifiability; an asymmetry which results from the logical form of universal statements. For these are never derivable from singular statements, but can be contradicted by singular statements. - Popper (1962: 19)

Defensibility

Replicability

Applicability

Connections

- ▶ Falsifiability provides a basis for abductive reasoning pure deductive reasoning is true a priori if the premises and statements are valid. We can transform our understanding of the system but generate additional truths - we may uncover them.
- ▶ We worry about the defensibility of our arguments to be able to act upon the conclusions with confidence
- ▶ But our arguments and conclusions are irrelevant if they aren't applicable to real-world problems; worries about inside baseball.
- ▶ Finally, the structure of our empirical base presumes that the research was performed in good order and that the findings are replicable within their domain of applicability. This gets to the idea of trust but verify and the need to construct “stylized facts” (Kaldor, 1957, 1961; Helfat, 2007)