

PH123: Elements of Scientific Method

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Bird, Alexander. *Philosophy of Science*. UCL Press, 1998.

Boyd, Richard. *Scientific Realism* (Stanford Encyclopedia of Philosophy).
<http://plato.stanford.edu/entries/scientific-realism/>.

Eddington, Arthur Stanley. *The Nature of the Physical World*. J.M. Dent & Sons, 1935.

Feigl, Herbert, and Grover Maxwell. *Scientific Explanation, Space, and Time*. Univ. of Minnesota Press, 1962.

Gerald Holton. *Science, Technology, & Human Values*. no. 40,
<http://0-www.jstor.org.pugwash.lib.warwick.ac.uk/stable/i227969>.

Godfrey-Smith, Peter. *Popper's Philosophy of Science: Looking Ahead*. 2007,
<http://petergodfreysmith.com/science-me>.

Godfrey-Smith, Peter. *Theory and Reality: An Introduction to the Philosophy of Science*. University of Chicago Press, 2003.

---. *Theory and Reality: An Introduction to the Philosophy of Science*. electronic resource, University of Chicago Press, 2003,
<https://www.dawsonera.com/guard/protected/dawson.jsp?name=https://idp.warwick.ac.uk/idp/shibboleth&dest=http://www.dawsonera.com/depp/reader/protected/external/AbstractView/S9780226300610>.

---. *Theory and Reality: An Introduction to the Philosophy of Science*. University of Chicago Press, 2003.

---. *Theory and Reality: An Introduction to the Philosophy of Science*. electronic resource, University of Chicago Press, 2003,
<https://www.dawsonera.com/guard/protected/dawson.jsp?name=https://idp.warwick.ac.uk/idp/shibboleth&dest=http://www.dawsonera.com/abstract/9780226300610>.

---. *Theory and Reality: An Introduction to the Philosophy of Science*. University of Chicago Press, 2003.

---. *Theory and Reality: An Introduction to the Philosophy of Science*. electronic resource, University of Chicago Press, 2003,
<https://www.dawsonera.com/guard/protected/dawson.jsp?name=https://idp.warwick.ac.uk/idp/shibboleth&dest=http://www.dawsonera.com/abstract/9780226300610>.

---. Theory and Reality: An Introduction to the Philosophy of Science. University of Chicago Press, 2003.

---. Theory and Reality: An Introduction to the Philosophy of Science. electronic resource, University of Chicago Press, 2003,
<https://www.dawsonera.com/guard/protected/dawson.jsp?name=https://idp.warwick.ac.uk/idp/shibboleth&dest=http://www.dawsonera.com/abstract/9780226300610>.

Goodman, Nelson. Fact, Fiction, and Forecast. 3rd ed, Bobbs-Merrill.

Hansson, Sven Ove. Science and Pseudo-Science (Stanford Encyclopedia of Philosophy).
<http://plato.stanford.edu/entries/pseudo-science/>.

Jackson, Frank and Smith, Michael. The Oxford Handbook of Contemporary Philosophy. Oxford University Press, 2005.

Kuhn, T. S. 'The Nature and Necessity of Scientific Revolutions'. The Structure of Scientific Revolutions, Fourth edition, The University of Chicago Press, 2012, pp. 92-110,
<https://contentstore.cla.co.uk/secure/link?id=7b5645f5-a743-e611-80bd-0cc47a6bddeb>.

---. 'The Nature and Necessity of Scientific Revolutions'. The Structure of Scientific Revolutions, Fourth edition, The University of Chicago Press, 2012, pp. 92-110,
<https://contentstore.cla.co.uk/secure/link?id=7b5645f5-a743-e611-80bd-0cc47a6bddeb>.

Ladyman, James. Structural Realism (Stanford Encyclopedia of Philosophy).
<http://plato.stanford.edu/entries/structural-realism/>.

Ladyman, James. Understanding Philosophy of Science. Routledge, 2002.

---. Understanding Philosophy of Science. electronic resource, Routledge, 2002,
<http://lib.myilibrary.com/browse/open.asp?id=277859&entityid=https://idp.warwick.ac.uk/idp/shibboleth>.

---. Understanding Philosophy of Science. Routledge, 2002.

---. Understanding Philosophy of Science. electronic resource, Routledge, 2002,
<http://lib.myilibrary.com/browse/open.asp?id=277859&entityid=https://idp.warwick.ac.uk/idp/shibboleth>.

---. Understanding Philosophy of Science. Routledge, 2002.

---. Understanding Philosophy of Science. electronic resource, Routledge, 2002,
<http://lib.myilibrary.com/browse/open.asp?id=277859&entityid=https://idp.warwick.ac.uk/idp/shibboleth>.

---. Understanding Philosophy of Science. Routledge, 2002.

---. Understanding Philosophy of Science. electronic resource, Routledge, 2002,
<http://lib.myilibrary.com/browse/open.asp?id=277859&entityid=https://idp.warwick.ac.uk/idp/shibboleth>.

---. Understanding Philosophy of Science. Routledge, 2002.

- . Understanding Philosophy of Science. electronic resource, Routledge, 2002, <http://lib.myilibrary.com/browse/open.asp?id=277859&entityid=https://idp.warwick.ac.uk/idp/shibboleth>.
- . Understanding Philosophy of Science. Routledge, 2002.
- . Understanding Philosophy of Science. electronic resource, Routledge, 2002, <http://lib.myilibrary.com/browse/open.asp?id=277859&entityid=https://idp.warwick.ac.uk/idp/shibboleth>.
- Lakatos, Imre. Science and Pseudoscience. 1973, <http://www.lse.ac.uk/philosophy/About/lakatos/scienceandpseudoscience.aspx>.
- Laudan, L. 'Demystifying Underdetermination'. Philosophy of Science: The Central Issues, 1st ed, W.W. Norton, 1998, pp. 320–53, <https://contentstore.cla.co.uk/secure/link?id=c3067e34-a943-e611-80bd-0cc47a6bddeb>.
- Laudan, Larry. 'Demystifying Underdetermination'. Philosophy of Science: The Central Issues, 1st ed, W.W. Norton, 1998, pp. 320–53, <https://contentstore.cla.co.uk/secure/link?id=c3067e34-a943-e611-80bd-0cc47a6bddeb>.
- Lipton, Peter. Inference to the Best Explanation. 2nd ed, vol. International library of philosophy, Routledge/Taylor and Francis Group, 2004.
- . Inference to the Best Explanation. 2nd ed, vol. International library of philosophy, Routledge/Taylor and Francis Group, 2004.
- Newton-Smith, W. The Rationality of Science. Routledge & Kegan Paul, 1981.
- . The Rationality of Science. Routledge & Kegan Paul, 1981.
- Nickles, Thomas. Scientific Revolutions (Stanford Encyclopedia of Philosophy). <http://plato.stanford.edu/entries/scientific-revolutions/>.
- Oberheim, Eric, and Paul Hoyningen-Huene. The Incommensurability of Scientific Theories (Stanford Encyclopedia of Philosophy). <http://plato.stanford.edu/entries/incommensurability/>.
- Paul R. Thagard. 'Why Astrology Is a Pseudoscience'. PSA: Proceedings of the Biennial Meeting of the Philosophy of Science Association, vol. 1978, 1978, pp. 223–34, <http://0-www.jstor.org.pugwash.lib.warwick.ac.uk/stable/192639>.
- Popper, K. 'Conjectures and Refutations'. Conjectures and Refutations: The Growth of Scientific Knowledge, vol. Routledge classics, Routledge, 2002, pp. 43–51, <https://contentstore.cla.co.uk/secure/link?id=14e00f7e-c143-e611-80bd-0cc47a6bddeb>.
- . 'Conjectures and Refutations'. Conjectures and Refutations: The Growth of Scientific Knowledge, vol. Routledge classics, Routledge, 2002, pp. 43–51, <https://contentstore.cla.co.uk/secure/link?id=14e00f7e-c143-e611-80bd-0cc47a6bddeb>.
- . 'The Problem of Induction'. The Logic of Scientific Discovery, Routledge, 2002, pp. 3–10,

<https://contentstore.cla.co.uk/secure/link?id=9b483484-c143-e611-80bd-0cc47a6bddeb>.

---. 'The Problem of Induction'. *The Logic of Scientific Discovery*, Routledge, 2002, pp. 3-10,

<https://contentstore.cla.co.uk/secure/link?id=9b483484-c143-e611-80bd-0cc47a6bddeb>.

Popper, Karl R. *The Logic of Scientific Discovery*. electronic resource, Routledge, 2002, <http://lib.myilibrary.com/browse/open.asp?id=23930&entityid=https://idp.warwick.ac.uk/idp/shibboleth>.

---. *The Logic of Scientific Discovery*. electronic resource, Routledge, 2002, <http://lib.myilibrary.com/browse/open.asp?id=23930&entityid=https://idp.warwick.ac.uk/idp/shibboleth>.

Quine, W. V. 'Two Dogmas of Empiricism'. *From a Logical Point of View: 9 Logico-Philosophical Essays*, 2d ed., Rev, Harvard University Press, 1963, pp. 20-46, <https://contentstore.cla.co.uk/secure/link?id=c800855f-c343-e611-80bd-0cc47a6bddeb>.

Stanford, Kyle. Underdetermination of Scientific Theory (Stanford Encyclopedia of Philosophy). <http://plato.stanford.edu/entries/scientific-underdetermination/>.

Van Fraassen, Bas C. *The Scientific Image*. Clarendon, 1980, <http://0-www.oxfordscholarship.com.pugwash.lib.warwick.ac.uk/view/10.1093/0198244274.001.0001/acprof-9780198244271-chapter-2>.

Vickers, John. The Problem of Induction (Stanford Encyclopedia of Philosophy). <http://plato.stanford.edu/entries/induction-problem/>.

Worrall, John. 'Structural Realism: The Best of Both Worlds'. *Dialectica*, vol. 43, no. 1/2, 1989, pp. 99-124, <http://0-www.jstor.org.pugwash.lib.warwick.ac.uk/stable/42970613>.