

'Induction' (pub. 02.02.13-10:26). Quote in M. Bergman & S. Paavola (Eds.), *The Commens Dictionary: Peirce's Terms in His Own Words. New Edition*. Retrieved from <http://www.commens.org/dictionary/entry/quote-harvard-lectures-pragmatism-lecture-vi-2>.

Term: Induction

Quote: Abduction is the process of forming an explanatory hypothesis. It is the only logical operation which introduces any new idea; for induction does nothing but determine a value, and deduction merely evolves the necessary consequences of a pure hypothesis.

Deduction proves that something *must* be; Induction shows that something *actually is* operative; Abduction merely suggests that something *may be*.

Its only justification is that from its suggestion deduction can draw a prediction which can be tested by induction, and that, if we are ever to learn anything or to understand phenomena at all, it must be by that this is to be brought about.

Source: Peirce, C. S. (1903). *Harvard Lectures on Pragmatism: Lecture VI*. MS [R] 314.

References: CP 5.171

Date of 1903

Quote:

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