

'Induction' (pub. 03.02.13-18:33). 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-theory-probable-inference-2>.

Term: Induction

Quote: ... Induction proceeds from Case and Result to Rule; it is the formula of the formation of a habit or general conception—a process which, psychologically as well as logically, depends on the repetition of instances or sensations. [—]

[—] Conceiving of nature in this way, we naturally conceive of science as having three tasks—(1) the discovery of Laws, which is accomplished by induction; (2) the discovery of Causes, which is accomplished by hypothetic inference; and (3) the prediction of Effects, which is accomplished by deduction. It appears to me to be highly useful to select a system of logic which shall preserve all these natural conceptions.

Source: Peirce, C. S. (1883). A Theory of Probable Inference. In C. S. Peirce (Ed.), *Studies in Logic by Members of the Johns Hopkins University* (pp. 126-181). Boston, MA: Little, Brown, and Company.

References: CP 2.712-713

Date of 1883

Quote:

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