These differences between these two scientific inferences are so great that it seems to me essential to a right understanding of the subject that we should recognize two kinds of scientific reasoning. Induction and Hypothesis. [—] Hypothesis alone affords us any knowledge of causes and forces, and enables us to see the why of things. [—] So that we have

Deduction  
Induction  
and  Hypothesis

as three coördinate classes of reasoning.

Source: Peirce, C. S. (1866). Lowell Lectures on The Logic of Science; or Induction and Hypothesis: Lecture V. MS [R] 343.
References: W 1:428
Date of Quote: 1866
URL: http://www.commens.org/dictionary/entry/quote-lowell-lectures-logic-science-or-induction-and-hypothesis-lecture-v