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See Also 1

Induction

Induction is inferencing as science carries it out: from the specific to the general.

Induction is distinguished by its *modus ponens* rule: $p_{\{1\}} \rightarrow q_{\{1\}}$, $p_{\{2\}} \rightarrow q_{\{2\}}$, ..., $p_{\{n\}} \rightarrow q_{\{n\}}$; $p \rightarrow q$

This is not *valid* in logic, but happens all the time in science. With repeated observations of something (the premises) comes the eventual ability to (at least propose) a general rule (the conclusion).

See Also

[Deduction](#), [Abduction](#), [Innoduction](#)

[logic](#)

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