

**Wagner, Carl G.**

*Modus tollens* **probabilized.** (English) [Zbl 1062.03015](#)

Br. J. Philos. Sci. 55, No. 4, 747-753 (2004).

Summary: We establish a probabilized version of *modus tollens*, deriving from  $p(E | H) = a$  and  $p(\overline{E}) = b$  the best possible bounds on  $p(\overline{H})$ . In particular, we show that  $p(\overline{H}) \rightarrow 1$  as  $a, b \rightarrow 1$ , and also as  $a, b \rightarrow 0$ .

**MSC:**

[03A05](#) Philosophical and critical aspects of logic and foundations

[03B48](#) Probability and inductive logic

Cited in **7** Documents

**Keywords:**

philosophy of science; conditional probabilities

**Full Text:** [DOI](#)