

題名	Falsification-aware semantics and sequent calculi for classical logic
掲載雑誌	Journal of Philosophical Logic, Published online first, Springer, 2021.
著者	Norihiro Kamide (上出哲広研究室)
概要	<p>In this study, falsification-aware semantics and sequent calculi for first-order classical logic are introduced and investigated. These semantics and sequent calculi are constructed based on a falsification-aware setting for first-order Nelson constructive three-valued logic (N3). In fact, these semantics and sequent calculi are regarded as those for a classical variant of N3 (i.e., a classical variant of N3 is identical to first-order classical logic). The completeness and cut-elimination theorems for the proposed semantics and sequent calculi are proved using Schütte's method. Similar results for the propositional case are also obtained.</p>