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Constructing Sublinear Expectations on Path

We provide a general construction of time-consistent sublinear expectations on the space of continuous paths. It yields the existence of the conditional G-

expectation of a Borel-measurable (rather than guasi-continuous) random

sampling theorem that holds without exceptional set. Our results also shed

variable, a generalization of the random G-expectation, and an optional

light on the inherent limitations to constructing sublinear expectations

(Submitted on 11 May 2012 (v1), last revised 17 May 2012 (this version, v2))

Submission history

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