

Decision under risk and uncertainty

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Contents

The course presents the main models of decision-making under risk uncertainty, from the classical expected utility model until the most advanced multipriors models, by discussing their foundational and application aspects.

Course schedule

Binary relations and preference modelling	Roubens, M., & Vincke, P. (2012). <i>Preference modelling</i> (Vol. 250). Springer Science & Business Media. Roberts, F. (1984). <i>Measurement Theory</i> . Cambridge University Press.
Von Neumann–Morgenstern's Theorem	Gilboa, I. (2009). <i>Theory of decision under uncertainty</i> (No. 45). Cambridge University Press. Chapter 8.
De Finetti model and Savage model	Gilboa, I. (2009). <i>Theory of decision under uncertainty</i> (No. 45). Cambridge University Press. Chapters 9 and 10.
Choquet Expected Utility, Prospect theory and Maximin expected utility	Gilboa, I. (2009). <i>Theory of decision under uncertainty</i> (No. 45). Cambridge University Press. Chapters 15, 16 and 17.
Multipriors models	Gilboa, I., & Marinacci, M. (2016). Ambiguity and the Bayesian paradigm. In <i>Readings in formal epistemology: Sourcebook</i> (pp. 385-439). Cham: Springer International Publishing.

Bimester: October - November