Title: Knowledge Representation in Decision Making

Abstract: I discuss how insights from artificial intelligence can be used to build models of judgment and decision making with realistic knowledge representations about the world. In addition to specifying the cognitive mechanisms people use to form beliefs and preferences, these models also represent the information on which these mechanisms operate. Subsequently, they are able to deliberate over and respond to naturalistic decision problems, and moreover, mimic human responses to these problems. These models shed light on the processes at play in everyday decisions, and illustrate a novel approach to studying behavior.