

## Decision-making in the presence of uncertainty • Computing the probability of some event may not be our ultimate goal • Instead we are often interested in making decisions about our future actions so that we satisfy some goals • Example: medicine - Diagnosis is typically only the first step - The ultimate goal is to manage the patient in the best possible way. Typically many options available: • Surgery, medication, collect the new info (lab test) • There is an uncertainty in the outcomes of these procedures: patient can be improve, get worse or even die as a result of different management choices. CS 1571 Intro to Al

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