



Decision making under uncertainty

- Risk index can facilitate the decision making under uncertainty
- Risk = Pr * Sev
 - Pr: Probability of the contingency
 - Sev: Quantification of contingency severity/consequence
- Modeling of the uncertainty
 - contingency (Covered) / Load level (can be covered)
 - History data
 - Statistic/stochastic model
- Modeling of the severity
 - Capture the consequence the decision maker cares































