



UNIVERSITÀ DEGLI STUDI
DI TRENTO

Dipartimento di Informatica
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SEMINARI DISA

Decision Making in the company

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The decision-making business will depend on information from the information about the states of the nature (variables not controllable by the subject that takes decisions). According to this, we will talk of decision in environment of certainty, risk and uncertainty.

If the information that is possesses is safe or certain, i.e all variables of the problem are known, we will talk about decision in environment of certainty, and will be resolved through methods of optimization, such as the simplex.

If the information on the occurrence of the states of nature is random and information is available on the likelihood assigned to each of them, say that the decision is at risk environment and the methods used to carry out the taking of decisions will be through the utility function and through methods of calculating hopes mathematics and variances.

If the information on the occurrence of the states of nature is unknown or uncertain and not yet available sufficient expertise in order to allocate a probability distribution to these states, say that the decision is taken in atmosphere of uncertainty, and methods used will depend on the attitude of the subject deciding body against the risk

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