

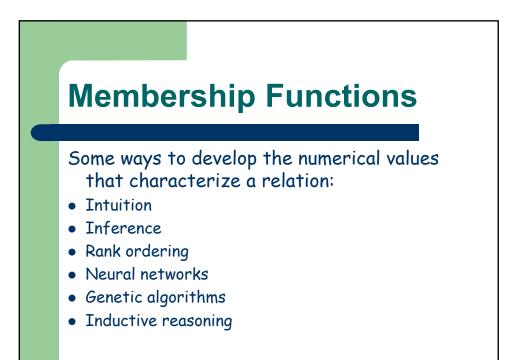
6

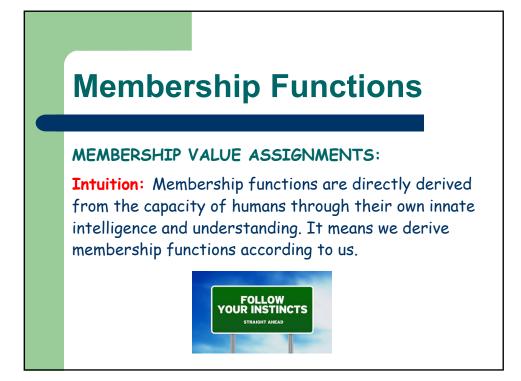
## **Membership Functions**

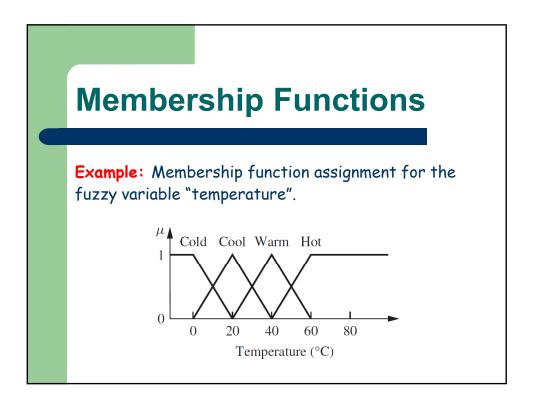
### MEMBERSHIP VALUE ASSIGNMENTS:

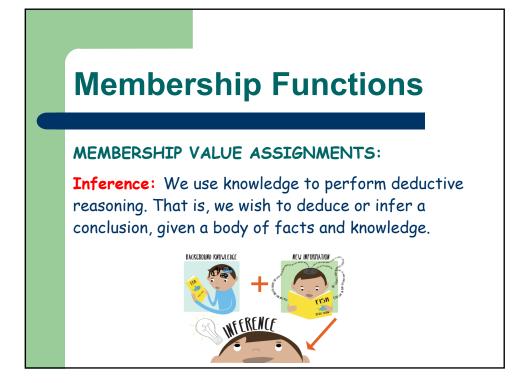
An appropriate question regarding relations is as follows:

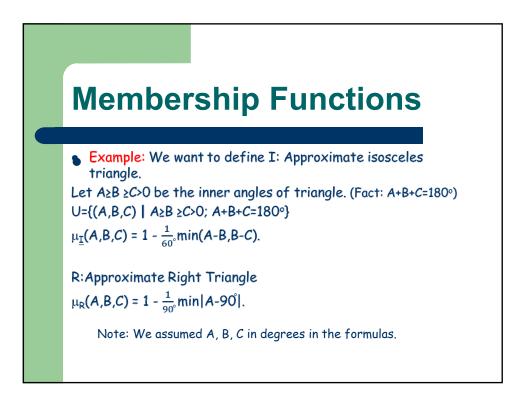
Where do the membership values that are contained in a relation come from?









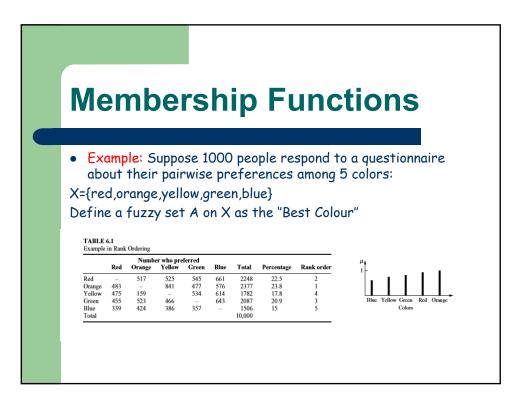


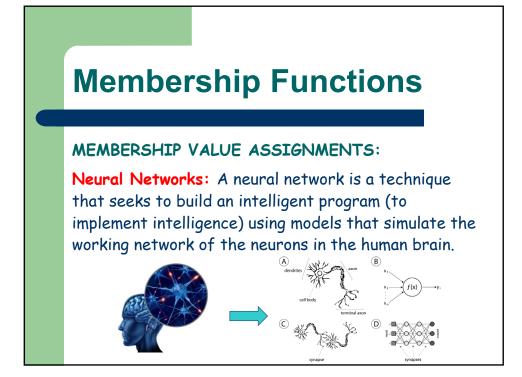
# **Membership Functions**

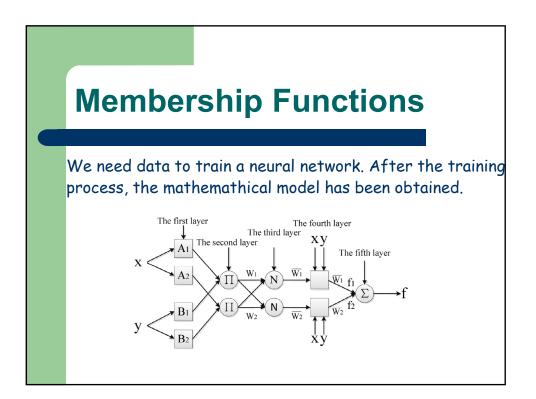
#### MEMBERSHIP VALUE ASSIGNMENTS:

**Rank Ordering**: Preferences are determined first by pairwise comparisons and these determine the ordering of membership.









## **Membership Functions**

#### MEMBERSHIP VALUE ASSIGNMENTS:

Genetic algorithms: Darwin's theory basically stressed the fact that the existence of all living things is based on the rule of "survival of the fittest". First, different possible solutions to a problem are created. These solutions are then tested for their performance (i.e., how good a solution they provide). Among all possible solutions, a fraction of the good solutions is selected, and the others are eliminated (survival of the fittest).

