Soft metrics - Fuzzy-Evaluation
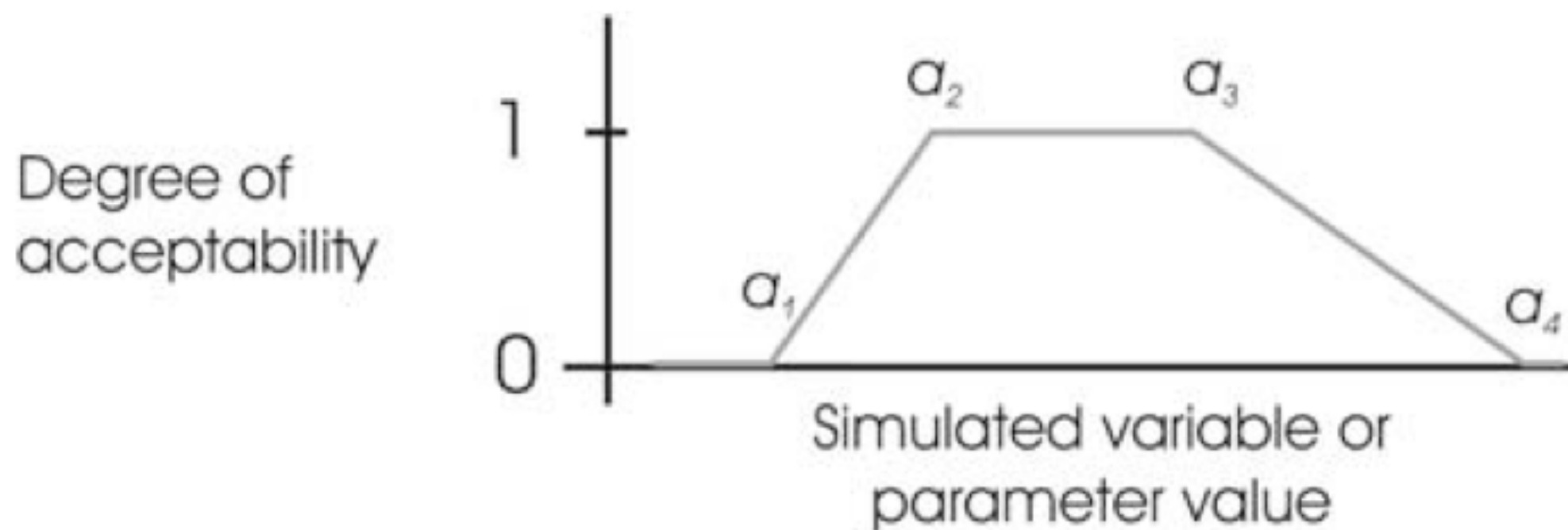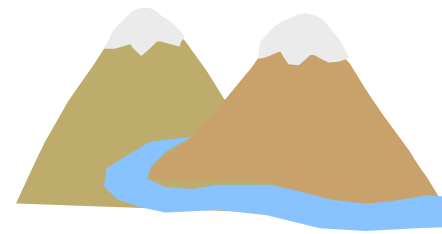

$$\mu(x) = \begin{cases} 0 & if\ x \leq a_1 \\ \dfrac{x - a_1}{a_2 - a_1} & if\ a_1 \leq x < a_2 \\ 1 & if\ a_2 \leq x < a_3 \\ \dfrac{a_4 - x}{a_4 - a_3} & if\ a_3 \leq x < a_4 \\ 0 & if\ x > a_4 \end{cases}$$

For data where there is a lot of uncertainty in observed values (imprecise measurements)

Performance: Metrics

R also has built in functions that can be helpful

- cor(x,y) - correlation coefficient

- help(cor)