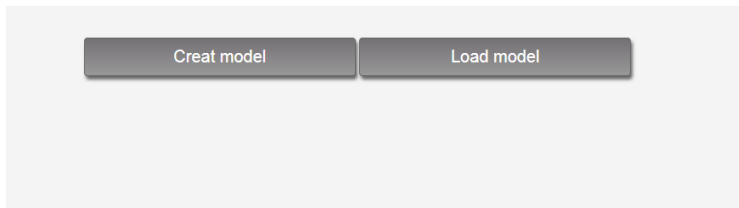# COMET method
a short manual

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Creat a new model

Click on the button 'Creat model'

In this presentation will be shown a short example to show how to identify the model to evaluate a car attractiveness.

Select a number of criteria

If you need more than two criteria press '+' icon so many times as you need. One row is addressed to one criterion.

Example with two criteria

We select two criteria, i.e., 'price' [PLN] and 'quality' [%]. For 'price' criterion, three characteristic value have been selected. Model is defined in the domain from 10,000 to 20,000. An expert select as average value 15,000. Therefore, we have 10000,15000,20000 in the second column. The analogously procedure is used for 'quality' criterion.

Pairwise Comparison

The pair of two characteristic objects is shown. An expert (decision-maker) should select which one is better (which one is win) or eventually select 'Draw'. For this example, we have to make 36 pairwise comparisons.

Pairwise Comparison

Only 3 pairwise comparison left :)

price - 10000
quality - 0

Objects number:
9

Pairs left:
3

price - 15000
quality - 100

Win   Draw   Win

Rule Base

After last pairwise comparison, we will see the complete rule base.
We can save data to file or press next button.

Inference - exploate of model

If we have one alternative, e.g., $A_1 = [13500, 44]$, we use option for a single alternative (as in figure below). We get 0.5048 as assessment of this car.

Inference - exploate of model

If we have more alternatives, e.g., $A_1 = [16000, 67]$; $A_2 = [15000, 65]$; $A_3 = [17500, 75]$, we use option for a alternatives set (as in figure below). We get 0.5591, 0.5714 and 0.5816 as assessments of these cars.

More information you can find at:
www.comet.edu.pl