Tasks

1)

Design a multi-criteria problem with at least 5 alternatives and 5 criteria

Write down the decision matrix

Define the vector of weights using the objective or subjective method

Calculate preference values using the chosen method

Calculate positional ranking

2)

For the selected decision problem, calculate the weights using the objective method iw the second variant with subjective weights

Compare the results obtained using both weight vectors using the selected one correlation coefficient

3)

Perform a comparison of the results for two methods evaluating the alternatives while retaining

a variant of two ways of determining the criteria weights

Additionally, for one research case, perform data normalization