

ISM-C1004 - Business Analytics 1, Lecture, 23.10.2023-8.12.2023

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Assignments

Forums

Quizzes

Resources

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Course feedback

Syllabus

Started on	Friday, 27 October 2023, 12:04 PM
State	Finished
Completed on	Friday, 27 October 2023, 7:41 PM
Time taken	7 hours 37 mins
Feedback	3.6/4

Question 1

🚩 Flag questionMarked out of 0.40Complete

If a redundant constraint is removed from a LP problem, neither the feasible region nor the current optimal solution will change

Select one:

☒ True

☐ False

Question 2

🚩 Flag questionMarked out of 0.40Complete

Multiplying all the objective function coefficients of a LP problem with a positive constant will not change the optimal objective function value.

Select one:

☐ True

☒ False

Question 3

🚩 Flag questionMarked out of 0.40Complete

If a binding constraint is removed from the model, the new optimal objective function value may be worse than that of the original model

Select one:

☒ True

☐ False

Question 4

🚩 Flag questionMarked out of 0.40Complete

The addition of a new constraint may improve the value of the objective function in minimization problems

Select one:

☐ True

☒ False

Question 5

🚩 Flag questionMarked out of 0.40Complete

If a non-binding constraint is removed from the model, neither the feasible region nor the current optimal solution will change.

Select one:

☐ True

☒ False

Question 6

🚩 Flag questionMarked out of 0.40Complete

A linear programming model can be unbounded only if there are no constraints on the decision variables

Select one:

☐ True

☒ False

Question 7

🚩 Flag questionMarked out of 0.40Complete

A linear programming model may have several optimal solutions

Select one:

☒ True

☐ False

Question 8

🚩 Flag questionMarked out of 0.40Complete

When a new constraint is added, if the current optimal solution satisfies the constraint, then the solution is optimal to the new problem as well.

Select one:

☒ True

☐ False

Question 9

🚩 Flag questionMarked out of 0.40Complete

Multiplying all the objective function coefficients of a LP problem with a positive constant will not change the optimal decision variable values

Select one:

☒ True

☐ False

Question 10

🚩 Flag questionMarked out of 0.40Complete

If the optimal objective function value of a maximization linear programming problem is +Infinity, then the problem does not have any \leq -constraints

Select one:

☐ True

☒ False

[Finish review](#)

Previous activity

◀ Article "A portfolio model for siting offshore wind farms with economic and environmental objectives" (full text inside Aalto network)

Next activity

Assignment 1: Spreadsheets ▶



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