What Students Can Tell Us: Using Argumentation Reconstruction in Operation Management

Final Survey (After Activity)

Introduction

This survey aims to assess the impact of argument reconstruction and debate on learning concepts inherent to Management. Its purpose is exclusively directed to scientific research. The estimated duration of response to the survey is approximately 15 min. If you have any difficulties in completing the questionnaire you can send an email to matrindade@porto.ucp.pt

**Mandatory*

GDPR

All personal information you provide when responding to the survey will be considered voluntary and kept following the provisions of the GDPR.

Data

1. Email address * _____
2. Student number * _____
3. Gender * *Mark only one oval.*
   - Feminine
   - Male
   - N/A
4. Age * _____

Argument Reconstruction Exercise

5. Level of commitment to the Argument Reconstruction exercise (ETD - Part I) * *Mark only one oval.*

1	2	3	4	5	6	7
I made little effort						I worked hard

6. Please indicate your level of agreement with the following statements: *

	1-Totally Disagree	2	3	4	5	6	7-Strongly Agree
The argument reconstruction exercise helps me to deepen my knowledge in other areas.							
The argument reconstruction exercise can be a useful tool in learning and acquiring knowledge in the management area.							
The argument reconstruction exercise helps me to organize ideas and content.							
An argument reconstruction exercise is a useful tool for a better understanding of an argument's weaknesses.							
The argument reconstruction exercise helps me to analyze the exposed propositions and to think about possible refutations for the same.							

7. Please indicate your level of agreement with the following statements: "The reconstruction activity of the main argument of Anthony Goldbloom's video, _____ *

	1-Totally Disagree	2	3	4	5	6	7-Strongly Agree
It allowed me to be more prepared to talk and debate the topic of automation.							
It allowed me to understand the consequences of automation at the level of a company's productive activities and productive resources.							
It allowed me to reflect on possible decisions made by the company's operational manager.							
It allowed me to be more familiar with the concept of automation.							
It allowed me to be more aware of the consequences and challenges brought about by automation.							
It was not an activity with added value.							
It allowed me to understand the impact of digital transformation in terms of operations management.							

8. Comment on the following statement: "The reconstruction of the argument of Anthony Goldbloom's video, allowed me to deepen and better understand concepts in the area of operations management". State if you agree and why.

_____

_____

Debate Exercise

9. Position in the debate * *Mark only one oval.*
   - Defence
   - Opposition
   - Support function
   - I don't know.

10. Level of commitment in preparing and conducting the debate (ETD - Part II) * *Mark only one oval.*

1	2	3	4	5	6	7
I made little effort						I worked hard

11. Please indicate your level of agreement with the following statements: *

	1-Totally Disagree	two	3	4	5	6	7-Strongly Agree
Reading the mandatory bibliography helped me to deepen my knowledge in the area of operations management.							
The preparation of a debate helps me to foresee possible scenarios that arise from the proposition that I am defending.							
The preparation of a debate forces me to think more clearly and in a more sustained way on the topics covered (ie in this case, on the advantages and disadvantages of a given decision: to automate or not to automate).							
I believe that the preparation of a debate can be a useful tool in learning and acquiring knowledge in the area of management.							
Preparing a debate helps me to organize ideas and content.							

12. Indicate your level of agreement with the following statements: "The construction of the argument, in a group, for later presentation in the debate_____ *

	1-Totally Disagree	2	3	4	5	6	7-Strongly Agree
It was not an activity with added value.							
It allowed me to reflect on possible decisions made by the company's operational manager.							
It allowed me to be more prepared to talk and debate the topic of automation.							
It allowed me to understand the consequences of automation at the level of a company's productive activities and productive resources.							
It allowed me to be more aware of the consequences and challenges brought about by automation.							
It allowed me to be more familiar with the concept of automation.							
It allowed me to understand the impact of digital transformation in terms of operations management.							

Knowledge about automation

13. Define automation by your words * If you don't know how to define it, please write "NS"

_____

_____

14. Please classify the following statements as True (T) or False (F). * If you do not know how to answer, select the NA option.

	T	F	NA
Automation leads to an increase in social inequality.			
Between 600 thousand to 1.1 million jobs may be generated by 2030, due to automation.			
Organizations with a highly qualified workforce predominate are those where the potential for automation is greatest.			
The intensity of the changes brought about by the fourth Industrial Revolution - associated with artificial intelligence and robotics, are still unknown.			
Up to 30% of the time currently used for work activities can be automated.			
Automation allows companies to reduce costs by increasing security.			
Automation boosts the growth of new jobs.			
Automation will force millions of workers to improve their skills and/or change jobs.			
Automation allows companies to reduce costs by saving energy.			
Automation allows for a reduction in the number of errors and waste.			

Teaching methods

15. Comment on the following sentence: "The preparation and holding of a debate can be a useful learning tool for deepening and for a better understanding of concepts in the area of operations management". (Indicate whether you agree and justify) (Optional)

    _____

    _____

16. Comment on the following sentence: "Less conventional teaching methods can be more effective in acquiring and understanding management concepts (when compared to conventional teaching methods)." Indicate whether you agree and justify. (Optional)

    _____

    _____