



Review Test Submission: Link: Cross Impact Analysis Homework Assessment

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Course	Fall 2022 TTU Ethics in Engineering Practice and Research (ENGR-5392-D01) Full Term
Test	Link: Cross Impact Analysis Homework Assessment
Started	10/26/22 8:20 AM
Submitted	10/26/22 8:25 AM
Due Date	10/28/22 11:59 PM
Status	Completed
Attempt Score	10 out of 10 points
Time Elapsed	4 minutes out of 1 hour
Results Displayed	All Answers, Submitted Answers, Correct Answers, Feedback, Incorrectly Answered Questions

Question 1

0 out of 0 points



You may use the text book, class notes, current event articles and previous assessments as resources. You may not, however, receive help from any other person in completing the examination. Answer True to affirm that you completed the examination independently.

Selected Answer: ☒ TrueAnswers: ☒ True
☐ False

Question 2

2 out of 2 points



Cross Impact Analysis: --- (Incorrect answers result in negative partial credit)

In cross impact analysis variables are classified as ... (select all that apply)

Selected



A.

Answers:

An input or external variable which influences other variables in the model but is not itself influenced.



B.

A state variable which couples input variables to other state variables and output variables



C.

An output variable which is influenced by input variables and state variables.

Answers:



A.

An input or external variable which influences other variables in the model but is not itself influenced.



B.

A state variable which couples input variables to other state variables and output variables



C.

An output variable which is influenced by input variables and state variables.

D. A null variable which is not influenced by input, state or output variables.

Question 3

2 out of 2 points



Cross Impact Analysis: ---

The most important thing we do in a cross impact analysis is to write an ethics narrative that informs participants and other stakeholders about which input variables have the most influence on changing the outputs in a desired direction to achieve our objectives

Selected Answer:  True

Answers:



True

False

Question 4

2 out of 2 points



Cross Impact Analysis: ---

Input variables influence (affect) other variables but are not themselves influenced (affected) by other variables.

Selected Answer:  True

Answers:



True

False

Question 5

2 out of 2 points



Cross Impact Analysis: ---

Which of the following might be used as suitable choices for identification of variables for cross impact analysis?

- Selected Answers: ☒ A. ethical, technical and economic issues.
☒ B. affected parties, their rights and responsibilities,
☒ C. social, economic and political constraints,
☒ D. alternative courses of actions,
☒ E. consequences of possible decisions regarding courses of action.

- Answers: ☒ A. ethical, technical and economic issues.
☒ B. affected parties, their rights and responsibilities,
☒ C. social, economic and political constraints,
☒ D. alternative courses of actions,
☒ E. consequences of possible decisions regarding courses of action.

Question 6

2 out of 2 points



Cross Impact Analysis: --- (Incorrect answers result in negative partial credit)

Which of the following statements (if any) describes an output variable?

- Selected Answers: ☒ A.
 An output variable is influenced through input variables and intervening state variables.
☒ C.
 Values for an output variable can be quantified using an arbitrary numerical scale such as "the degree of difficulty, 0-10"
☒ D.
 If we do not allow feedback loops then an output variable does not influence other variables in the model.

- Answers: ☒ A.
 An output variable is influenced through input variables and intervening state variables.
☐ B.
 The value of an output variable corresponds only to a real-world, measurable quantity.
☒ C.
 Values for an output variable can be quantified using an arbitrary numerical scale such as "the degree of difficulty, 0-10"
☒ D.
 If we do not allow feedback loops then an output variable does not influence other variables in the model.
☐ E. Output variables are not required in a cross impact model.
☐ F. All of the above correctly describe an output variable.

Thursday, December 15, 2022 12:26:55 PM CST

← OK