

2020-2021 1-GS Methods in AI research (INFOMAIR)

Announcements

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Course Schedule

Course Content (lecture slides etc.)

Team Project

Questionnaire and submitting project deliverables


My Grades

Review Test Submission: Quiz Lecture 7 (Experimentation)

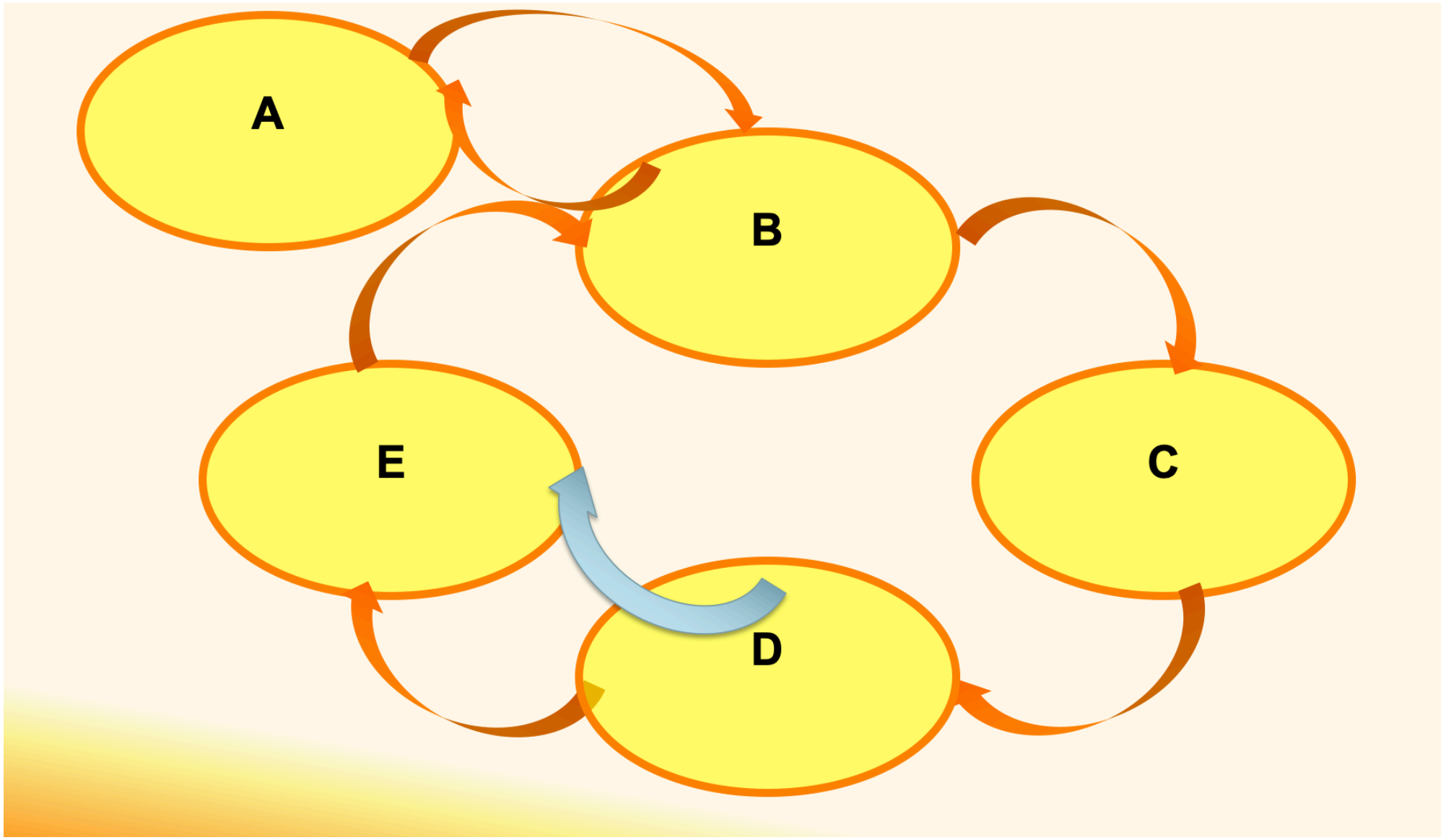
User	Otto Mättas
Course	2020-2021 1-GS Methods in AI research (INFOMAIR)
Test	Quiz Lecture 7 (Experimentation)
Started	9/29/20 2:28 PM <div>LATE</div>
Submitted	10/7/20 9:33 AM <div>LATE</div>
Due Date	9/23/20 4:00 PM
Status	Needs Grading
Attempt Score	Grade not available.
Time Elapsed	187 hours, 5 minutes
Results Displayed	All Answers, Submitted Answers, Correct Answers, Feedback, Incorrectly Answered Questions

Question 1

0 out of 10 points



For the empirical cycle below, what terms should be at A, B, C, D, E?
(NB: On a real test you should be able to draw this diagram without any help)



Selected Answer: [None Given]

Answers:

Theory, Hypothesis, Evaluate, Test, Reality

Hypothesis, Theory, Test, Evaluate, Reality


Reality, Theory, Hypothesis, Test, Evaluate

Theory, Reality, Hypothesis, Test, Evaluate,

Response Feedback: Incorrect -- check the slides again

Question 2

0 out of 10 points



For the following example, (1) what step of the empirical cycle does this belong to and (2) in which section of a report would you find it?

" Coffee dosage was manipulated between subjects."

Selected Answer: [None Given]

Answers:

Hypothesis; method

test; method


Test; results

hypothesis; result

Response Feedback: Incorrect. This is a description of the independent variable that is manipulated. Hence, it describes the type of test, and this can be found in the methods section (in subsection: design)

Question 3

0 out of 10 points



Cairns (2016) discusses 4 types of validity. For the following example, please indicate *which* validity type is breached
"John tests the immersion of his new game 'AI RULEZZ'. He develops his own immersion questionnaire, and finds that players rate the immersion of his game higher than the immersion of another game called 'LOOZAHS'."
(on a real exam, you would also have to explain WHY)

Selected Answer: [None Given]

Answers:

Construct

Internal


External

Ecological

Response Feedback: Incorrect. The correct answer is "construct".
The questionnaire has not been independently validated, and is therefore not a useful construct for measuring immersion (see article for Cairn's more detailed description of a related example)

Question 4

0 out of 10 points



Jane tests how coffee dosage affects the reaction time in a driving experiment with 24 women. She tests four levels of coffee dosage: no coffee, 1 cup, 2 cups, or 5 cups.

What is (or are) the independent variable(s)?

Selected Answers: [None Given]

Answers:

reaction time

coffee dosage

driving


gender

Response Feedback: Incorrect. The independent variable is the thing that is manipulated systematically. That is coffee dosage.
Reaction time is the dependent variable.

For driving, it is not clear if there is a control to compare it to.
For gender, there is no manipulation. It is only tested on women, but it is not clear if the result is women specific.

Question 5

Needs Grading



Are any aspects of the lecture material unclear, or do you have follow-up questions about this?
If I have your feedback in time AND if there is sufficient time to do so, I will try to address this during the live lecture that is associated with this question.

Leave this blank if you do not have any questions.

Selected Answer: [None Given]

Correct Answer: [None]

Response Feedback: [None Given]

Wednesday, November 4, 2020 10:31:17 PM CET

←

OK