



[PEER 2026 - Proditec use-case] AIA Index and semi-structured interview for experimenter [EN]

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This tool sets out the instructions to be given and the questions to be asked of participants when completing the AIA index.

PAGE 1

1. question2

HTML

Thank you for completing all the tasks !

We will now move on to the debriefing to gather your feedback on the system. Please feel free to share all your ideas; we are interested in your opinions. There are no right or wrong answers.

2. question3

HTML

Introduction

How did the test go?

What is your overall impression of the system?

Had you heard of this system before the test?

Are you familiar with the parts-sorting task?

To what extent are you used to using systems similar to the one you have just tested? Can you give me an example?

To what extent are you familiar with the use of AI technologies in general? Can you give me an example?

[Optional, depending on the answer to the previous question]

What differences are there between using the system and the way you usually perform the task?

Why?

3. Remarks icebreaker

Texte long

4. question1

HTML

To continue, you will need to complete a questionnaire of around forty items, which we will discuss as you go. This questionnaire is intended to assess how much you trust this system.

To complete the questionnaire, you must respond to the different items using:

- “strongly disagree”
- “disagree”
- “somewhat disagree”
- “neutral”
- “somewhat agree”
- “agree”
- “strongly agree”

To help guide you in how to respond to the items, let us look at a few examples together.

5. question6

HTML

Imagine that you are presented with the item "I think this bakery uses good ingredients to make its cakes."

6. question5

Image

Je pense que cette pâtisserie utilise de bons ingrédients pour faire ses gâteaux.

- Pas du tout d'accord
- Pas d'accord
- Plutôt pas d'accord
- Neutre
- Plutôt d'accord
- D'accord
- Tout à fait d'accord

7. question11

HTML

You might tell yourself that you are not a baker, but based on the list of ingredients you saw, the ingredients seem good to you, or simply that your opinion is favorable. Your response would therefore fall on the positive side of the scale.

8. question9

Image



9. question12

HTML

Conversely, you may not have information about the ingredients, or may have insufficient information, leading to an unfavorable opinion. Or you may simply have an unfavorable opinion. Your response would therefore fall on the negative side of the scale.

10. question7

Image

Je pense que cette pâtisserie utilise de bons ingrédients pour faire ses gâteaux.

☐ Pas du tout d'accord
 ☐ Pas d'accord
 ☐ Plutôt pas d'accord
 ☐ Neutre
 ☐ Plutôt d'accord
 ☐ D'accord
 ☐ Tout à fait d'accord

« Je n'ai pas d'informations sur les ingrédients, donc je suppose que non. »

« Je n'ai vu que trois ingrédients. Mais d'après ce que j'ai goûté, j'ai l'impression que la plupart d'entre eux ne seraient pas bons. »

11. question13

HTML

Finally, if you did not understand the item or consider it not applicable to the system you have just used, select "neutral."

12. question8

Image

Je pense que cette pâtisserie utilise de bons ingrédients pour faire ses gâteaux.

☐ Pas du tout d'accord
 ☐ Pas d'accord
 ☐ Plutôt pas d'accord
 ☒ Neutre
 ☐ Plutôt d'accord
 ☐ D'accord
 ☐ Tout à fait d'accord

« Je ne comprends pas ce qu'est un ingrédient. Je ne peux pas me forger une opinion. »

13. question10

HTML

- There are no right or wrong answers; we are interested in your opinion.
- If you have any questions about certain items, please feel free to ask us directly while you complete the questionnaire.
- We invite you to verbalize as much as possible, as if thinking aloud, when answering the questionnaire. This information is just as important to us as your responses to the items.

Do you have any questions before you start answering the items?

14. The system performs its job well

HTML

TECHNICAL FUNCTIONING

Your perception of how well, quickly, and consistently the system operates under similar or different conditions.

The system performs its task correctly

The system operates quickly

The system is consistently accurate

The system would be able to operate in a variety of situations

The system would behave the same way under similar conditions

15. Remarks index

Texte long

16. question_TF

HTML

Questions about the TECHNICAL FUNCTIONING construct

What aspects of the system enable you to provide these responses?
behaviors, features

Do you have any suggestions for improving the system's technical functioning?

17. Remarks interview

Texte long

18. Items_COMP

HTML

COMPREHENSIBILITY

The extent to which a system can be understood, including how it makes decisions and makes its next actions predictable. It also includes how easy the system is to learn to use.

The system is understandable

The system is easy to learn to use

The way the system works is clear

The system provides information to explain its recommendations

I can trace the system's actions

19. Remarks index

Texte long

20. question_COMP

HTML

Questions about the COMPREHENSIBILITY construct

What aspects of the system enable you to provide these responses?
behaviors, features

What did you understand about how the system works?
Can you describe it?
What data is used to make it work?

What do you think of the explanations displayed on screen by the system?
Do you find them relevant? Why?
Are they consistent with your level of AI expertise? Why?
Do they seem accurate to you? Why?

Do you have any suggestions for improving the system's comprehensibility?

21. Remarks interview

Texte long

22. Itmes_COL

HTML

COLLABORATION

The system's ability to work as a team with you (the feedback it provides, its spontaneous communication, and its assistance), and the extent to which it is adaptable and/or customizable.

When carrying out tasks, the system acts as a member of the team (with me)

The system would do its best to help me if necessary

The system takes into account the information I provide

The system responds when I share something with it

The system displays information to me proactively

The match between the system's recommendations and my preferences / actions is clearly identifiable

The system is suited to my level of expertise

23. Remarks index

Texte long

24. question_COL

HTML

Questions about the COLLABORATION construct

What aspects of the system enable you to provide these responses?
behaviors, features

What do you think about the system taking your level of AI expertise into account?
Do you think this is relevant? Why?

Did you take the system's recommendations into account?
Do they seem appropriate for your level of AI expertise? Why?
Do they seem accurate? Why?

Do you have any suggestions for improving your collaboration with the system?

25. Remarks interview

Texte long

PAGE 11

26. itmes_UX

HTML

USER EXPERIENCE

The system's ability to be useful to you, meet your expectations, and provide a high-quality and satisfying experience when you use it.

The system is predictable

The system has all the features I would expect from an AI assistant for this task

The system uses conventions and terms that are familiar to me

The system is useful

Interacting with the system is satisfying

27. Remarks index

Texte long

28. question_UX

HTML

Questions about the USER EXPERIENCE construct

What aspects of the system enable you to provide these responses?
behaviors, features

Do you have any suggestions for improving your user experience with the system?

29. Remarks interview

Texte long

30. items_SAFE-SECU-WB

HTML

SAFETY, SECURITY AND WELL-BEING

Your perception of how the system considers your well-being and how it handles operational errors, risks, and/or attacks.

The system takes my well-being into account

The system would not deliberately do anything to harm me or others

The system warns users about potential risks

The system is not vulnerable to potential attacks

The system manages potential errors

31. Remarks index

Texte long

32. question_SAFE-SECU-WB

HTML

Questions about the SAFETY, SECURITY AND WELL-BEING construct

What aspects of the system enable you to provide these responses?
behaviors, features

Do you have any suggestions for improving how the system addresses safety, security, and well-being?

33. Remarks interview

Texte long

34. items_PRIVA-DATA-GOV

HTML

PRIVACY AND DATA GOVERNANCE

Your perception of how well the system protects your data, the access provided to the system's data structure, and your opinion of the relevance of the training data used.

The system was trained on appropriate data

The system secures the information it collects

The system informs me about the data it collects

The system provides access to its data structure

35. Remarks index

Texte long

36. question_PRIVA-DATA-GOV

HTML

Questions about the PRIVACY AND DATA GOVERNANCE construct

What aspects of the system enable you to provide these responses?
behaviors, features

Do you have any suggestions for improving how the system addresses privacy and data governance?

37. Remarks interview

Texte long

38. Items_AUDI

HTML

AUDITABILITY

The extent to which you believe the system's decisions and algorithms can be traced and verified as part of an inspection or external audit (e.g., to establish legal or administrative liability).

The system's decisions can be traced during an inspection procedure

The type of algorithm used by the system can be examined during an inspection procedure

39. Remarks index

Texte long

40. question_AUDI

HTML

Questions about the AUDITABILITY construct

What aspects of the system enable you to provide these responses?
behaviors, features

Do you have any suggestions for improving the system's auditability?

41. Remarks interview

Texte long

42. items_EQU

HTML

EQUITY

How you think the system accounts for inclusivity (diversity of users, cultures, languages, and disabilities), potential social impacts on jobs and skills, and/or respect for the environment.

The system makes an effort to be fair to me and others

The system takes cultural diversity into account

The system takes language diversity into account

The system takes many types of disabilities into account

The system does not increase the risk of human operators losing skills

The system is environmentally responsible

43. Remarks index

Texte long

44. question_EQU

HTML

Questions about the EQUITY construct

What aspects of the system enable you to provide these responses?
behaviors, features

Do you have any suggestions for improving the fairness of the system?

45. Remarks interview

Texte long

46. items_TW

HTML

TRUSTWORTHINESS

The system is trustworthy

47. question_TW

HTML

Questions about the TRUSTWORTHINESS construct

What aspects of the system enable you to provide these responses?
behaviors, features

Would you change one or more aspects of the system to make it (more) trustworthy?
Which aspect? Why?

48. Remarks

Texte long

49. item_ANT

HTML

ANTHROPOMORPHISM

I attributed human characteristics to the system (for example, intentions, emotions, free will, a mind, or consciousness)

50. question_ANT

HTML

Questions about the ANTHROPOMORPHISM construct

What aspects of the system enable you to provide these responses?
behaviors, features

Would you be interested in interacting with a system that has human characteristics?

51. Remarks

Texte long

52. items_T

HTML

TRUST

I trusted the system

I would trust the system again

53. question_T

HTML

Questions about the TRUST construct

Why?

54. Remarks

Texte long

55. items_WILL-USE

HTML

WILLINGNESS TO USE

I would be willing to interact with the system again

56. question_WILL-USE

HTML

Questions about the WILLINGNESS TO USE construct

Why?

57. Remarks

Texte long

58. conclusion

HTML

CONCLUSION

Would you like to add anything about the system and the test?

59. Remarks

Texte long