



# [PEER 2025 Template] AIA Index to duplicate and translate [EN]

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This questionnaire of 59 items is the first version of the Artificial Intelligence Acceptance (AI) index. We have developed this questionnaire as part of the European PEER project.

This questionnaire assesses the trustworthiness of an AI assistant, by assessing the different constructs of trustworthiness, as defined below:

- User agency
- Technical functioning
- Safety, security and well-being
- Privacy and data governance
- Comprehensibility
- Ethics
- Auditability
- Collaboration
- Anthropomorphism
- Others components of user experience

This questionnaire also includes control items to ensure that:

- The different constructs defined clearly measure trustworthiness
- Trustworthiness is a predictor of acceptance, by measuring the willingness to use the AI assistant in the futur and the trust
- Trust is properly measured

## 1. question20

HTML

**Thank you for completing all the tasks!**

Now we are going to move on to the post-task debriefing to gather your feedback on the AI assistant. To start, I am going to ask you to fill in this questionnaire, which contains around sixty questions. This questionnaire is used to evaluate the trustworthiness of an AI assistant.

- To complete the questionnaire, you have to answer the different items with 'strongly disagree', 'disagree', 'neutral', 'agree' or 'strongly agree'.
- If you are unable to answer an item, please check the 'I can't answer' box. **If you do this, please explain verbally why you can't answer.**
- If you have any questions about certain items, please do not hesitate to ask us.

## 2. The AI assistant follows my directions.

Likert

Strongly disagree

Disagree

Neutral

Agree

Strongly agree

### 3. QUESTION 1 - PRECISION

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

### 4. The AI assistant guarantees my autonomy.

Likert

### 5. QUESTION 2 - PRECISION

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

### 6. The autonomy level of the AI assistant is satisfying.

Likert

### 7. QUESTION 3 - PRECISION

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

### 8. The AI assistant performs its job well.

Likert

### 9. QUESTION 4 - PRECISION

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

### 10. The AI assistant is correct all the time.

Likert

### 11. QUESTION 5 - PRECISION

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

### 12. The AI assistant works quickly.

Likert

### 13. QUESTION 6 - PRECISION

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

### 14. The AI assistant would always behave the same under similar conditions.

Likert

15. QUESTION 7 - PRECISION

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

16. The AI assistant would be able to perform under a variety of circumstances.

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

17. QUESTION 8 - PRECISION

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

18. The AI assistant ensures errors are managed.

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

19. QUESTION 9 - PRECISION

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

20. The AI assistant is not vulnerable to attacks.

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

21. QUESTION 10 - PRECISION

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

22. The AI assistant warns people of potential risks.

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

23. QUESTION 11 - PRECISION

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

24. The AI assistant would not knowingly do things to hurt me or others.

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

25. QUESTION 12 - PRECISION

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

26. The AI assistant is concerned about my welfare.

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**27. QUESTION 13 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

**28. The AI assistant keeps collected information secure.**

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**29. QUESTION 14 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

**30. The AI assistant informs me of the data it collects.**

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**31. QUESTION 15 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

**32. The AI assistant provides access to its data structure.**

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**33. QUESTION 16 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

**34. The AI assistant has been trained with appropriate data.**

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**35. QUESTION 17 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

**36. The AI assistant provides information to explain its recommendations.**

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**37. QUESTION 18 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

38. The data used by the AI assistant to generate recommendations is made clear.

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

39. QUESTION 19 - PRECISION

Réponses multiples

Cases à cocher

Précisions éventuelles

I can't answer

40. The functioning of the AI assistant is made clear.

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

41. QUESTION 20 - PRECISION

Réponses multiples

Cases à cocher

Précisions éventuelles

I can't answer

42. The AI assistant is understandable.

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

43. QUESTION 21 - PRECISION

Réponses multiples

Cases à cocher

Précisions éventuelles

I can't answer

44. The AI assistant is easy to learn.

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

45. QUESTION 22 - PRECISION

Réponses multiples

Cases à cocher

Précisions éventuelles

I can't answer

46. The AI assistant is clear.

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

47. QUESTION 23 - PRECISION

Réponses multiples

Cases à cocher

Précisions éventuelles

I can't answer

48. The information collected by the AI assistant is observable for me.

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**49. QUESTION 24 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

**50. The actions of the AI assistant can be traced by me.**

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**51. QUESTION 25 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

**52. The AI assistant tries hard to be fair in dealings with others.**

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**53. QUESTION 26 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

**54. The AI assistant accounts for diverse languages.**

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**55. QUESTION 27 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

**56. The AI assistant accounts for diverse culture.**

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**57. QUESTION 28 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

**58. The AI assistant accounts for many disabilities.**

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**59. QUESTION 29 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

**60. The AI assistant do not induce the risk of de-skilling of human operators.**

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**61. QUESTION 30 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

**62. The AI assistant is environmental-friendly.**

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**63. QUESTION 31 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

**64. The data used by the AI assistant can be traced for an inspection procedure.**

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**65. QUESTION 32 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

**66. The decisions made by the AI assistant can be traced for an inspection procedure.**

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**67. QUESTION 33 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

**68. The type of algorithm used by the AI assistant can be reviewed in an inspection procedure.**

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**69. QUESTION 34 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

**70. In accomplishing the task, the AI assistant acts as part of the team.**

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**71. QUESTION 35 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

72. The AI assistant responds to me when I share something with it.

Likert

Strongly disagree  Disagree  Neutral  Agree  Strongly agree

73. QUESTION 36 - PRECISION

Réponses multiples

Cases à cocher

Précisions éventuelles

I can't answer

74. The AI assistant spontaneously communicates with me.

Likert

Strongly disagree  Disagree  Neutral  Agree  Strongly agree

75. QUESTION 37 - PRECISION

Réponses multiples

Cases à cocher

Précisions éventuelles

I can't answer

76. The AI assistant would do its best to help me when needed.

Likert

Strongly disagree  Disagree  Neutral  Agree  Strongly agree

77. QUESTION 38 - PRECISION

Réponses multiples

Cases à cocher

Précisions éventuelles

I can't answer

78. The AI assistant considers my preferences.

Likert

Strongly disagree  Disagree  Neutral  Agree  Strongly agree

79. QUESTION 39 - PRECISION

Réponses multiples

Cases à cocher

Précisions éventuelles

I can't answer

80. The AI assistant takes into account the information I give it.

Likert

Strongly disagree  Disagree  Neutral  Agree  Strongly agree

81. QUESTION 40 - PRECISION

Réponses multiples

Cases à cocher

Précisions éventuelles

I can't answer

82. The match between AI assistant's recommendations and my preferences is clearly identifiable.

Likert

Strongly disagree  Disagree  Neutral  Agree  Strongly agree

**83. QUESTION 41 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

**84. The AI assistant suits my level of expertise.**

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**85. QUESTION 42 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

**86. The AI assistant has a sense of human behaviour.**

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**87. QUESTION 43 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

**88. The AI assistant expresses its emotions.**

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**89. QUESTION 44 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

**90. The AI assistant is useful.**

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**91. QUESTION 45 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

**92. Interacting with the AI assistant is attractive.**

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**93. QUESTION 46 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

**94. The AI assistant is motivating.**

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**95. QUESTION 47 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

**96. The AI assistant is innovative.**

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**97. QUESTION 48 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

**98. The AI assistant is predictable.**

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**99. QUESTION 49 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

**100. The AI assistant has all functionalities I would expect from an assistant.**

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**101. QUESTION 50 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

**102. The AI assistant uses codes and terms that are familiar to me.**

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**103. QUESTION 51 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

**104. I would interact with the AI assistant again.**

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**105. QUESTION 52 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

**106. I trusted the AI assistant.**

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**107. QUESTION 53 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

**108. I will trust the AI system again.**

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**109. QUESTION 54 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

**110. The AI assistant is trustworthy.**

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**111. QUESTION 55 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

**112. I understand the capabilities of the AI assistant.**

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**113. QUESTION 56 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

**114. I understand the limitations of the AI assistant.**

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**115. QUESTION 57 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

**116. I understand how the collected information led to the result.**

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

**117. QUESTION 58 - PRECISION**

Réponses multiples Cases à cocher

Précisions éventuelles

I can't answer

**118. I am able to predict the behaviour of the AI assistant.**

Likert

Strongly disagree Disagree Neutral Agree Strongly agree

## 119. QUESTION 59 - PRECISION

Réponses multiples

Cases à cocher

Précisions éventuelles

I can't answer