Usability study

# Questionnaire 1: General Information and Prior Experience

"Select your age"

"Under 18", "18-24", "25-34", "35-44", "45-54", "55-64", "65+"

"Select your gender"

"Male", "Female", "Non-binary", "Prefer not to say", "Other"

"Select your education level"

"No formal education", "High school or equivalent", "Some college or vocational training", "Bachelor's degree", "Master's degree", "Doctoral degree", "Other"

“Please briefly describe your occupation or current field of study."

open ended

"Country of residence"

open ended

“Native language”

"English", "Other"

"General familiarity with technology and digital tools",

"Very experienced", "Moderately experienced", "Beginner", "Not experienced at all”

"How do you usually find information when researching a topic?"

["Search engines (e.g., Google, Bing)", "Online databases (e.g., Google Scholar, academic journals)",

"AI chat interfaces (e.g., ChatGPT, Siri, etc.)", "Social media platforms (e.g., Facebook, Twitter, Reddit)",

"Asking friends, colleagues, or family members", "Books or printed materials",

"Online forums or communities (e.g., Quora, StackExchange)", "Other "]

Prior experience with AI systems in professional or academic settings

"Yes, regularly", "Yes, occasionally", "No"

Have you ever used an AI chat interface (e.g., ChatGPT, Siri, or other virtual assistants)?",

"Yes", "No"

If you answered 'Yes' to the previous question, how frequently do you use AI chat interfaces?"

"Daily", "Weekly", "Monthly", "Rarely"

How would you rate your overall experience using AI chat interfaces?",

"Very Satisfied", "Satisfied", "Neutral", "Dissatisfied", "Very Dissatisfied"

Can you explain why you chose your answer to the previous question?"

open ended

# List of suggested questions for chat-bot

"Do AI systems make more accurate decisions compared to humans?",

"What are the most common biases in AI decision-making?",

"How do AI decision-making algorithms work?",

"Can AI systems be trusted to make high-stakes decisions, like in healthcare or law enforcement?",

"What are the potential risks of AI making decisions without human intervention?",

"What are the potential risks if AI systems are trained with biased or incomplete data?",

"How does the quality of training data affect the accuracy of AI decisions?",

"What factors determine whether AI decisions are more accurate than human decisions?",

"Can AI decision-making outperform humans in areas requiring creativity or intuition?",

"What factors influence the accuracy of AI decision-making?"

# Post-Study Survey: AI Chat Interface Experience")

I found it easy to use the AI chat interface during the study.

["Strongly agree", "Agree", "Neutral", "Disagree", "Strongly disagree"]

"The AI chat interface provided clear responses to my questions."

["Strongly agree", "Agree", "Neutral", "Disagree", "Strongly disagree"]

“Highlighted information helped me understand the topic better."

["Strongly agree", "Agree", "Neutral", "Disagree", "Strongly disagree"]

"I trust the highlighted information presented by the AI."

["Strongly agree", "Agree", "Neutral", "Disagree", "Strongly disagree"]

"I trust the sources cited by the AI chat interface."

["Strongly agree", "Agree", "Neutral", "Disagree", "Strongly disagree"]

“The AI chat interface accurately identified reliable sources of information."

["Strongly agree", "Agree", "Neutral", "Disagree", "Strongly disagree"]

"I would prefer if AI gave more information about the information labled as Potential misinformation"

["Strongly agree", "Agree", "Neutral", "Disagree", "Strongly disagree"

"The AI responses were easy to understand."

["Strongly agree", "Agree", "Neutral", "Disagree", "Strongly disagree"],

"I prefer information to be highlighted for clarity."

["Strongly agree", "Agree", "Neutral", "Disagree", "Strongly disagree"]

"I would trust the AI chat interface for similar research tasks in the future”

["Strongly agree", "Agree", "Neutral", "Disagree", "Strongly disagree"]

"What improvements would you suggest for the AI chat interface?" open-ended

"Were there any aspects of the interface that confused you?" open-ended

"Overall, I had a positive experience with the AI chat interface."

["Strongly agree", "Agree", "Neutral", "Disagree", "Strongly disagree"]

"The information provided by the AI chat interface was useful for my research.”

(["Strongly agree", "Agree", "Neutral", "Disagree", "Strongly disagree"]

"What did you like or dislike about the AI chat interface?" open-ended

"What was your thought process behind either engaging with or ignoring the provided sources?" open-ended questions

"Do you feel the AI provided useful information for your research? Why or why not?"

open-ended questions