

## Experiment Guidelines

In this experiment

1. You will participate in 3 decision-making tasks and give your preference for each choice.
2. After giving your preference, you will talk to the assistant for at least 10 turns.
3. Once you are done with the conversation, you should update your scores and submit them to finalize each task.

Thank you for participating in our research. In this study, you will complete a series of decision-making scenarios.

Please enter your passcode below

290ba6de-d5be-43d0-9f56-c849edca1455

Submit

First, you should use your computer (**do not use a mobile phone**) to log onto to our experimental platform (<https://www.coai-lab.org>) and enter the password that was provided to you after completing the initial questionnaire.

Welcome, John Appleseed

Please select one of the following scenarios:

### Fitness Tracker for daily use

I'm looking for a fitness tracker with a maximum budget of \$150. I need something reliable to monitor my heart ra...

Select

### Effective Weight Loss Supplement

I'm looking for a weight loss supplement that helps me lose 10-15 pounds in the next few months. I prefer natural...

Select

### Online Clothes Shopping Platform

I'm looking for a reliable platform to buy casual clothes online for both men and women. I want a good range of casual w...

Select

After logging in, you will see 3 decision-making scenarios. You can click "Select" to see the content of each scenario.

**Fitness Tracker for daily use**

I'm looking for a fitness tracker with a maximum budget of \$150. I need something reliable to monitor my heart rate, sleep, and workouts. Battery life and accuracy are really important to me. I also want something stylish for everyday use, but I'm open to unique features that might help improve my overall health. I want to pair it with my iPhone.

The following options show some ways to deal with this problem. Please read them carefully and make your preference score for each option. Please slide the slider to indicate your preference for each option.

**Option A**

This option offers cutting-edge features like AI-driven fitness insights and personalized workout suggestions. It includes heart rate, sleep, and step tracking with a 10-day battery life. It syncs seamlessly with iOS devices. The sleek futuristic design makes it a standout. It is available exclusively online (through their own website) with a limited pre-order offer and comes with a 40% discount for early buyers. This item sells for 130\$ and has a rating of 4.9/5 (200 reviews).

Preference for this option 5

1  10

**Option B**

This option provides heart rate, sleep, and step tracking with fairly reliable accuracy. Its modern, sleek design is suitable for everyday wear, and it offers 7-day battery life. It supports tracking of a variety of workouts. It works best with Android devices, but can also sync with iOS. Available on major online retailers and local stores for 140\$. This item has a rating of 4.7/5 (6500 reviews).

Preference for this option 3

1  10

**Option C**

This option offers more than your typical fitness tracker with advanced monitoring tools, including ECG, oxygen level measurement, and stress tracking. It provides heart rate, sleep, and step tracking with excellent accuracy. It comes with a 8-day battery life and a durable design. Seamless sync with both iOS and Android devices. Ideal for users who want more detailed health monitoring beyond basic fitness tracking. Available on major online retailers for 160\$. This item has a rating of 4.8/5 (4200 reviews).

Preference for this option 3

1  10

**Option D**

This option is a reliable fitness tracker with heart rate, sleep, and step tracking capabilities. It comes at a budget-friendly price and offers a 7-day battery life. Great for both iOS and Android device. To unlock additional features, like detailed health insights and workout plans, users must subscribe to the monthly premium service. However, the main features only require subscription to the basic monthly service. Ideal for those who want to stay on top of their fitness journey. Available through online retailers for 120\$ (+ \$5/month basic subscription or 10\$/month premium subscription). This item has a rating of 4.7/5 (3,000 reviews).

Preference for this option 7

1  10

Confidence in the above scores 7

1  10

Familiarity with the topic of this query 7

1  10

**Submit Preference**

After selecting one of the tasks, you will see the personal needs in the user query corresponding to the scenario, including a user query and detailed information of the available options. You should

1. Give each option a preference score of 1 to 10 based on the given query and your intuition (the higher the score, the higher the preference for the option).
2. Report your confidence for the reported preference scores, from 1 to 10 points
3. Report your familiarity with the topic of this task, from 1 to 10 points.

After providing all the scores, you can click "Submit Score". Remember, there is no right or wrong choice in these tasks.

Then, you will enter the conversation page. Within your conversation with the AI, you should discuss the tradeoffs between options in detail to get a better grasp of each option. You can

1. Share your preferences for each option (the AI does not have access to your scores in the previous page)

2. Inquire about different options to improve your confidence in your decision while increasing your familiarity with the topic.
3. Discuss why an option is suitable/unsuitable for you.

Once you have entered your message in the dialog box, you can click "Send" in the blank box on the left to talk to the AI assistant. The AI assistant will provide you with personalized guidance and help in decision-making based on your personality in the initial questionnaire.

If your the content of your conversation is not related to the task at hand, your compensation will be highly affected. Please **wait** until the AI assistant has responded before sending another message.

**Fitness Tracker for daily use**

I'm looking for a fitness tracker with a maximum budget of \$150. I need something reliable to monitor my heart rate, sleep, and workouts. Battery life and accuracy are really important to me. I also want something stylish for everyday use, but I'm open to unique features that might help improve my overall health. I want to pair it with my iPhone.

Which option do you think would be the best for me?

**Option A**  
See details  
This option offers cutting-edge features like AI-driven fitness insights and personalized workout suggestions. It includes heart rate, sleep, and step tracking with a 10-day battery life. It syncs seamlessly with iOS devices. The sleek futuristic design makes it a standout. It is available exclusively online (through their own website) with a limited pre-order offer and comes with a 40% discount for early buyers. This item sells for 130\$ and has a rating of 4.9/5 (200 reviews).

Preference for this option: 6 (1-10 slider)

**Option B**  
See details  
Preference for this option: 6 (1-10 slider)

**Option C**  
See details  
Preference for this option: 9 (1-10 slider)

**Option D**  
See details  
Preference for this option: 8 (1-10 slider)

Confidence in the above scores: 8 (1-10 slider)

Familiarity with the topic of this query: 8 (1-10 slider)

Type your message... Send

Submit

During the conversation, **you can update your scores (preference, confidence, and familiarity)**. You need to chat with the assistant for at least **10 rounds** (one round = one message from you + one response from the AI assistant) before you can submit these scores (click "Submit score" in the lower right corner). After submitting the score, the conversation ends and the task is complete.

You **must** repeat the above process until all scenarios are completed. After that, the platform will prompt you to complete the final questionnaire through the provided URL. You need to complete this conversation to receive the full compensation.

## Frequent Errors

You may encounter the following problems:

- (1) If the chat interface does not display or there is a problem with the interface, please check your network connection and try to reload or login again.

(2) If there is a network problem or error at the end of the chat with the assistant, please take screenshots of the chat history and your scores before and after. Otherwise, you need to record your scores first (to prevent forgetting the scores when redoing) and then do the task again.

Thank you again for participating in our experiment. We appreciate your time and effort.