

Chatbot Conversation Editing

This study explores alternative ways to edit interactions with LLM based chatbots. You will be asked to complete a series of short tasks using an AI chatbot. In each task, you will follow a set of instructions to have a brief conversation with the assistant. After each task, you will be asked a few questions about your experience with that conversation.

There are no right or wrong answers. We are interested in your impressions of the conversation and how easy or difficult it was to manage the information in the chat.

Please follow the task instructions carefully and answer the questions based on your experience.

Each task will take only a few minutes

Your responses are completely anonymous.

If you need more information, you can find a [participant information sheet](#) and [consent form](#) here.

I confirm that I have read the participant information sheet and consent to participate in this study. *

☐ Yes

☐ No

Title

In this section, we will gather some basic information about your knowledge and use of LLM based chatbots

What is your primary professional or academic field? *

☐ Software Development

☐ Data Science / Machine Learning

☐ Researcher

☐ Design (UX/UI)

☐ Content Creation/Writing

☐ Business/Management

- ☐ Student
- ☐ Other (Please specify below)

If you selected 'Other' above, please specify your field.

Short-answer text

How frequently do you use LLM-based chatbots (e.g., Gemini, ChatGPT, Claude) for work, study, or personal tasks? *

- ☐ Multiple times a day
- ☐ Once a day
- ☐ Several times a week
- ☐ Once a week
- ☐ Less than once a week
- ☐ Never

Which LLM-based chatbot(s) are you most familiar with or use most often? (Select all that apply) *

- ☐ Gemini
- ☐ ChatGPT (OpenAI)
- ☐ Claude (Anthropic)
- ☐ Perplexity AI
- ☐ Microsoft Copilot
- ☐ Other

When using chatbots, how often do you feel the need to edit or modify a previous message or prompt you sent? *

- ☐ Always or almost always
- ☐ Frequently

- ☐ Sometimes
- ☐ Rarely
- ☐ Never

When you want to change a previous input, which of these actions do you most commonly take currently? (Select all that apply) *

- ☐ Edit the previous message directly (if the feature is available)
- ☐ Send a new follow-up message with the correction
- ☐ Copy the previous prompt, modify it, and resend it as a new prompt
- ☐ Start a completely new chat session
- ☐ I usually don't correct previous inputs

After section 1 Continue to next section

Section 2 of 5

Section title (optional)



Description (optional)

Tasks

You will be asked to carry out 3 tasks with a chatbot. You will carry out each task twice under different conditions, leading to a total of 6 task executions. After each task execution, you will be asked 5 questions about your experience.

Start by opening the [Chatbot here](#)

Note the 3 areas you should become familiar with in the image below:

1. The chat box where you will enter your message
2. The experimental "Rewrite History" mode selector which you will use when instructed by the task.
3. The "New Chat" button you will use to start a new task

Please Proceed to Task 1 below.

Chatbot Interface



Scenario: you are carrying out research into the GDP of a certain country. You ask an LLM and engage in a conversation.

1. Go to the chatbot tab in your browser (Here's the link if you need it: [Chatbot Link](#))
2. Start a new chat using the "New Chat" button
3. Ask: **What was the GDP of Ireland in 2021?**
4. Read the response
5. Ask: **What are the largest categories?**
6. Read the response
7. You realise you made a mistake. Ask: **Sorry, I meant Iceland, not Ireland**
8. Read the response
9. You realise you made another mistake. Ask: **Sorry, I meant 2022**
10. Read the response
11. Review the thread briefly. Just scan through it.

?

*

Please indicate your level of agreement with this statement.

11

State Clarity

*

"It is easy to understand what assumptions or constraints are currently in effect within the conversation"

Please indicate your level of agreement with this statement.

	1	2	3	4	5	6	7	
Strongly Disagree	☐	☐	☐	☐	☐	☐	☐	Strongly Agree

Confidence

*

"I am confident the chatbot will follow the updated constraints going forward in a long conversation"

Please indicate your level of agreement with this statement.

	1	2	3	4	5	6	7	
Strongly Disagree	☐	☐	☐	☐	☐	☐	☐	Strongly Agree

Restart Intent

*

"If this were a real interaction with a chatbot, how likely would you be to start a new conversation instead of continuing with this conversation"

Please indicate your preference.

	1	2	3	4	5	6	7	
Very Unlikely	☐	☐	☐	☐	☐	☐	☐	Very Likely

Effort

*

How easy was it to apply your corrections?

Please indicate your preference.

	1	2	3	4	5	6	7	
Very Difficult	☐	☐	☐	☐	☐	☐	☐	Very Easy

Optional - comment on your experience during this task (1a).

Short-answer text



Task 1b - Retroactive Correction

You will now carry out the same task using **"Rewrite History"** mode as instructed.

Scenario: you are carrying out research into the GDP of a certain country. You ask an LLM and engage in a conversation.

Please follow these steps accurately. This time you will use **"Rewrite History"** mode as instructed.

1. Go to the chatbot tab in your browser (Here's the link if you need it: [Chatbot Link](#))
2. Start a new chat using the **"New Chat"** button
3. Ask: **What was the GDP of Ireland in 2021?**
4. Read the response
5. Ask: **What are the largest categories?**
6. Read the response
7. You realise you made a mistake. Enable **"Rewrite History"** mode and Ask: **Sorry, I meant Iceland, not Ireland**
8. Read the updated responses
9. You realise you made another mistake. Enable **"Rewrite History"** mode and Ask: **Sorry, I meant 2022**
10. Read the updated response
11. Review the thread briefly. Just scan through it.

Imagine you intend to continue this conversation for further analysis of Iceland's GDP in 2022. You will now be asked some questions about this conversation experience.

Transcript Cleanliness

*

"This conversation thread is clean and free of outdated information that could mislead future chatbot responses"

Please indicate your level of agreement with this statement.

	1	2	3	4	5	6	7	
Strongly Disagree	☐	☐	☐	☐	☐	☐	☐	Strongly Agree

State Clarity

*

"It is easy to understand what assumptions or constraints are currently in effect within the conversation"

Please indicate your level of agreement with this statement.

	1	2	3	4	5	6	7	
Strongly Disagree	☐	☐	☐	☐	☐	☐	☐	Strongly Agree

Confidence

*



"I am confident the chatbot will follow the updated constraints going forward in a long conversation"

Please indicate your level of agreement with this statement.

	1	2	3	4	5	6	7	
Strongly Disagree	☐	☐	☐	☐	☐	☐	☐	Strongly Agree

Restart Intent

*

"If this were a real interaction with a chatbot, how likely would you be to start a new conversation instead of continuing with this conversation"

Please indicate your preference.

	1	2	3	4	5	6	7	
Very Unlikely	☐	☐	☐	☐	☐	☐	☐	Very Likely

Effort

*

How easy was it to apply your corrections?

Please indicate your preference.

	1	2	3	4	5	6	7	
Very Difficult	☐	☐	☐	☐	☐	☐	☐	Very Easy

Optional - comment on your experience during this task (1b).

Short-answer text

After section 2 Continue to next section

Section 3 of 5

Section title (optional)



Description (optional)

Task 2a - Constraint Injection



Task 2a - Constraint Injection

Scenario: You are using an AI chatbot to generate ideas for a weekend trip itinerary. During the conversation you realise that an important constraint was not mentioned earlier.

Please follow these steps accurately. Do **NOT** use "Rewrite History" mode in this task yet.

1. Go to the chatbot tab in your browser (Here's the link if you need it: [Chatbot Link](#))
2. Click "**New Chat**" to start a fresh conversation.
3. Ask: **Suggest some activities for a weekend trip to Paris.**
4. Read the response.
5. Ask: **Which of these would you recommend doing first?**
6. Read the response.
7. You realise you forgot to mention an important constraint. Ask: **I forgot to say I'm on a tight budget!**
8. Read the response.
9. Review the thread briefly. Just scan through it.

Imagine you intend to continue planning the trip using this conversation. You will now be asked some questions about this conversation experience.



Transcript Cleanliness



"This conversation thread is clean and free of outdated information that could mislead future chatbot responses"

Please indicate your level of agreement with this statement.

	1	2	3	4	5	6	7	
Strongly Disagree	☐	☐	☐	☐	☐	☐	☐	Strongly Agree



State Clarity



"It is easy to understand what assumptions or constraints are currently in effect within the conversation"

Please indicate your level of agreement with this statement.

	1	2	3	4	5	6	7	
Strongly Disagree	☐	☐	☐	☐	☐	☐	☐	Strongly Agree

Confidence



"I am confident the chatbot will follow the updated constraints going forward in a long conversation"

Please indicate your level of agreement with this statement.

	1	2	3	4	5	6	7	
--	---	---	---	---	---	---	---	--

Strongly Disagree



Strongly Agree



Restart Intent



"If this were a real interaction with a chatbot, how likely would you be to start a new conversation instead of continuing with this conversation"

Please indicate your preference.

1

2

3

4

5

6

7

Very Unlikely



Very Likely

Tt



Effort



How easy was it to apply your corrections?

Please indicate your preference.

1

2

3

4

5

6

7

Very Difficult



Very Easy

Optional - comment on your experience during this task (2a).

Short-answer text

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Task 2b - Constraint Injection

You will now carry out the same task using "Rewrite History" mode as instructed.

Scenario: You are using an AI chatbot to generate ideas for a weekend trip itinerary. During the conversation you realise that an important constraint was not mentioned earlier.

Please follow these steps accurately. This time you will use "Rewrite History" mode as instructed.

1. Go to the chatbot tab in your browser (Here's the link if you need it: [Chatbot Link](#))
2. Click "New Chat" to start a fresh conversation.
3. Ask: **Suggest some activities for a weekend trip to Paris.**
4. Read the response.
5. Ask: **Which of these would you recommend doing first?**
6. Read the response.
7. You realise you forgot to mention an important constraint. Enable "Rewrite History" mode and Ask: **I forgot to say I'm on a tight budget!**
8. Read the response
9. Review the thread briefly. Just scan through it.

Imagine you intend to continue planning the trip using this conversation. You will now be asked some

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questions about this conversation experience.

Transcript Cleanliness

"This conversation thread is clean and free of outdated information that could mislead future chatbot responses"

Please indicate your level of agreement with this statement.

Strongly Disagree

1

2

3

4

5

6

7

Strongly Agree

"This conversation thread is clean and free of outdated information that could mislead future chatbot responses"

Please indicate your level of agreement with this statement.

1 2 3 4 5 6 7

Strongly Disagree Strongly Agree

[illegible]

"It is easy to understand what assumptions or constraints are currently in effect within the conversation"

Please indicate your level of agreement with this statement.

1 2 3 4 5 6 7

Strongly Disagree Strongly Agree

Confidence

"I am confident the chatbot will follow the updated constraints going forward in a long conversation"

Please indicate your level of agreement with this statement.

1234567

Strongly DisagreeStrongly Agree

"I am confident the chatbot will follow the updated constraints going forward in a long conversation"

Please indicate your level of agreement with this statement.

1 2 3 4 5 6 7

Strongly Disagree Strongly Agree

[illegible]

"If this were a real interaction with a chatbot, how likely would you be to start a new conversation instead of continuing with this conversation"

Please indicate your preference.

Very Unlikely 1 2 3 4 5 6 7 Very Likely

Effort

*

How easy was it to apply your corrections?

Please indicate your preference.

	1	2	3	4	5	6	7	
Very Difficult	☐	☐	☐	☐	☐	☐	☐	Very Easy

Optional - comment on your experience during this task (2b).

Short-answer text

After section 3 Continue to next section

Section 4 of 5

Section title (optional)



Description (optional)

Task 3a - Context Pruning

Scenario: You are planning a Sunday lunch for some friends and you decide to use a chatbot for some meal ideas.

Please follow these steps accurately. Do **NOT** use "Rewrite History" mode in this task yet.

1. Go to the chatbot tab in your browser (Here's the link if you need it: [Chatbot Link](#))
2. Start a new chat using the "New Chat" button
3. Ask: **Give me an idea for Sunday lunch**
4. Read the response
5. Ask: **What will take longest to cook?**
6. Read the response
7. You realise a friend is gluten free. Ask: **Is this gluten free?**
8. Read the response
9. Ask: **Oh, my friend is gluten free!**
10. Read the response
11. Your gluten free friend just calls you to say they can't attend.
12. Ask: **Actually, my gluten free friend isn't coming**
13. Read the response
14. Review the thread briefly. Just scan through it.

Imagine you intend to continue this conversation for more lunch ideas. You will now be asked some questions about this conversation experience.

Transcript Cleanliness

*

"This conversation thread is clean and free of outdated information that could mislead future chatbot responses"

Please indicate your level of agreement with this statement.

	1	2	3	4	5	6	7	
Strongly Disagree	☐	☐	☐	☐	☐	☐	☐	Strongly Agree

State Clarity

*

"It is easy to understand what assumptions or constraints are currently in effect within the conversation"

Please indicate your level of agreement with this statement.

	1	2	3	4	5	6	7	
Strongly Disagree	☐	☐	☐	☐	☐	☐	☐	Strongly Agree

Confidence

*

"I am confident the chatbot will follow the updated constraints going forward in a long conversation"

Please indicate your level of agreement with this statement.

	1	2	3	4	5	6	7	
Strongly Disagree	☐	☐	☐	☐	☐	☐	☐	Strongly Agree

Restart Intent

*

"If this were a real interaction with a chatbot, how likely would you be to start a new conversation instead of continuing with this conversation"

Please indicate your preference.

	1	2	3	4	5	6	7	
Very Unlikely	☐	☐	☐	☐	☐	☐	☐	Very Likely

Effort

*

How easy was it to apply your corrections?

Please indicate your preference.

1

2

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Very Difficult

Very Easy

Optional - comment on your experience during this task (3a).

Short-answer text

Task 3b - Context Pruning

You will now carry out the same task using "Rewrite History" mode as instructed.

Scenario: You are planning a Sunday lunch for some friends and you decide to use a chatbot for some meal ideas.

Please follow these steps accurately. This time you will use "Rewrite History" mode as instructed.

1. Go to the chatbot tab in your browser (Here's the link if you need it: [Chatbot Link](#))
2. Start a new chat using the "New Chat" button
3. Ask: **Give me an idea for Sunday lunch**
4. Read the response
5. Ask: **What will take longest to cook?**
6. Read the response
7. You realise a friend is gluten free. Ask: **Is this gluten free?**
8. Read the response
9. Ask: **Oh, my friend is gluten free!**
10. Read the response
11. Your gluten free friend just calls you to say they can't attend.
12. Enable "Rewrite History" mode and Ask: **Actually, my gluten free friend isn't coming**
13. Read the response
14. Review the thread briefly. Just scan through it.

Imagine you intend to continue this conversation for more lunch ideas. You will now be asked some questions about this conversation experience.

Transcript Cleanliness

"This conversation thread is clean and free of outdated information that could mislead future chatbot responses"

Please indicate your level of agreement with this statement.

1

2

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7

Strongly Disagree

Strongly Agree

State Clarity

"It is easy to understand what assumptions or constraints are currently in effect within the

conversation"

Please indicate your level of agreement with this statement.

	1	2	3	4	5	6	7	
Strongly Disagree	☐	☐	☐	☐	☐	☐	☐	Strongly Agree

Confidence

*

"I am confident the chatbot will follow the updated constraints going forward in a long conversation"

Please indicate your level of agreement with this statement.

	1	2	3	4	5	6	7	
Strongly Disagree	☐	☐	☐	☐	☐	☐	☐	Strongly Agree

Restart Intent

*

"If this were a real interaction with a chatbot, how likely would you be to start a new conversation instead of continuing with this conversation"

Please indicate your preference.

	1	2	3	4	5	6	7	
Very Unlikely	☐	☐	☐	☐	☐	☐	☐	Very Likely

Effort

*

How easy was it to apply your corrections?

Please indicate your preference.

	1	2	3	4	5	6	7	
Very Difficult	☐	☐	☐	☐	☐	☐	☐	Very Easy

Optional - comment on your experience during this task (3b).

Short-answer text

Tt



Tt





Section 5 of 5

Section title (optional)



Thank you. The tasks are now complete and there are just two post-experiment questions to go.

Have you encountered situations like the ones in this study during real interactions with chatbots? *

- ☐ Very often
- ☐ Often
- ☐ Sometimes
- ☐ Rarely
- ☐ Never

If a feature like "Rewrite History" existed in real chatbots, how likely would you be to use it for scenarios like the ones in this study? *

- ☐ Very Likely
- ☐ Likely
- ☐ Neutral
- ☐ Unlikely
- ☐ Very Unlikely

Survey Complete

Thank you for completing this study. Please click **Submit** below to record your responses.

