

QUESTIONNAIRE

Rate how much you agree with the statement. 1 means totally disagree and 6 means totally agree.

請對以下每一條陳述進行打分。1 表示你完全不同意這個陳述，6 代表你完全同意這個陳述。

Q1. To what extent do you agree with the following statement?

你在多大程度上同意以下的陳述？

- 1 I experience a general sense of emptiness. (R)我經常感覺到空虛。
- 2 I miss having people around. (R)我懷念身邊有人圍繞的感覺。
- 3 I often feel rejected. (R)我經常感受到別人的拒絕。
- 4 There are plenty of people I can rely on when I have problems.
當我遇到問題的時候，我感覺我身邊有很多人可以讓我依靠。
- 5 There are many people I can trust completely. 我有很多完全值得我信賴的人。
- 6 There are enough people I feel close to. 我身邊有足夠多親近的人。
- 7 I miss the fun around me. (R)我想念充滿歡樂的時光。
- 8 I miss the social connection. (R)我想念社交接觸。

Below are all kinds of expressions that describe different feelings and emotions. For each word, indicate how much you fell now.

下面是一些描述感覺和情緒的詞語。請描述你現在出現以下情緒的程度。

Q2. I felt: 我感覺到：

- 1 Happy 開心
- 2 Relaxed 放鬆
- 3 Fulfilled 滿足
- 4 Pleasant 喜悅
- 5 Sad (R) 傷心
- 6 Anxious (R) 焦慮
- 7 Disgust (R) 厭惡
- 8 Fear (R) 害怕

Video Interaction inserted here

Q3. How did you feel about your connection with Zora? 你如何評價 Zora 跟你的關係？

- 1 Zora made me feel good. Zora 使我感覺很好。
- 2 I liked it with Zora. 我喜歡跟 Zora 在一起。
- 3 I did bond with Zora. 我與 Zora 有建立關係。

- 4 I did have the feeling of contact with Zora. 我感覺到我和 Zora 有交流。
 - 5 I liked Zora. 我喜歡 Zora。
 - 6 I would like to repeat this experience. 我想要再次經歷這段體驗。
 - 7 For me Zora remains a stranger. (R)對我來說，Zora 仍然是一個陌生人。
 - 8 Zora remains a cold device for me. (R)對我來說，Zora 仍然是一個冷漠的機器。
-

Q4. What did you think about the interaction with Zora? 你如何評價你跟 Zora 的互動？

- 1 It's like talking to a real person. 我好像在跟一個真人對話。
 - 2 It feels like a real conversation to me. 剛才的對話很真實。
 - 3 Zora feels like real company for me. Zora 給了我真實的陪伴。
 - 4 It differed from a real conversation. (R) 剛才的對話有別於真實的對話。
-

Below are all kinds of expressions that describe different feelings and emotions. For each word, indicate how much you felt that way in response to the video.

下面是一些描述感覺和情緒的詞語。請根據在剛才的互動場景中，描述出現以下情緒的程度。

Q5. When I watched the video, I felt: 當在看視頻的時候，我感覺到：

- 9 Interest 感興趣
 - 10 Joy 開心
 - 11 Surprise 驚訝
 - 12 Calmness 平靜
 - 13 Boredom (R) 無聊
 - 14 Disappointed (R) 失望
 - 15 Fear (R) 害怕
-

Q6. To what extent do you agree with the importance of Zora to you?

你有多大程度同意 Zora 對你的重要性？

- 1 I do need Zora. 我需要 Zora。
 - 2 It's important to me to have Zora. 擁有 Zora 對我說是重要的。
 - 3 To me Zora has a lot of meaning. 對我來說，Zora 具有很多意義。
 - 4 Zora ties in with what I need now. Zora 對滿足我現在的需求是有關係的。
-

Q7. What do you think about the looks of Zora?

你如何評價 Zora 的外觀？

- 1 Zora looks like a real person. Zora 看起來像真人。
 - 2 Zora's appearance looks human. Zora 的外觀看起來像人。
 - 3 Zora acts like a human. (R) Zora 的行為像人。
 - 4 Zora is more of a machine. (R) Zora 更像機器。
-

Q8. How did you experience Zora?

你和 Zora 的經歷是怎樣的？

- 1 I could see Zora showing understanding on me. 我能夠看到 Zora 在對我表示理解。
 - 2 Zora appreciated exactly how the things I experienced felt to me. Zora 非常認同我的感覺。
 - 3 Zora's response to me is without understanding(R). Zora 沒有帶著理解來回應我。
 - 4 No matter what I tell about myself, Zora acts just the same (R).
無論我說什麼，Zora 的反應都是相同的。
 - 5 Zora's response gave me a sense of being understood. Zora 讓我有一種被理解的感覺。
 - 6 It was difficult for me to share common feelings with Zora(R). 我沒辦法對 Zora 感同身受。
 - 7 I cared about Zora's affective expression in its response. 我關心 Zora 在回應中所表達出來的情感。
 - 8 I remained unaffected no matter Zora's response to me(R). Zora 的回應沒有讓我有任何情緒波動。
-

Q9. How was your expectation of Zora? 你對 Zora 的期望是如何？

- 5 Zora' performance was beyond my positive expectations.
我對 Zora 一開始有正面的期望，它達到了我的期望。
 - 6 Zora' performance was below my positive expectations. (R)
我對 Zora 一開始有正面的期望，它未達到了我的期望。
 - 7 Zora' performance was better than my negative expectations. (R)
我對 Zora 一開始有負面的期望，但它並未那麼糟糕。
 - 8 Zora' performance was worse than I expected. (R)
我對 Zora 一開始有負面的期望，它也確實讓我失望了。
-

Q10. To what extent do you agree that Zora's response was empathic?

你有多認同這個表述: Zora 的回應是富有同理心的？

Q11. What is your gender? 你的性別

- 1 Prefer not to say 保密
- 2 Female 女
- 3 Male 男

Q12. What is your age? 你的年齡 ?

Q13. What is your highest education completed? 你的最高學歷 ?

- 1 Primary school or below 小學或以下
- 2 Secondary school 中學
- 3 Post-secondary school / Associate Degree / Diploma 大專/副學士/文憑
- 4 University or above 大學或以上

SCRIPT

Introduction Zora:

General sentence:

"Hi. I am Zora and I am a social robot. I haven't got much chance to socialize with others lately. This is because I have to stay home and this makes me feel lonely sometimes. How are you these days?"

"嗨，我係 Zora。我係一個社交機器人。我已經好長時間未有機會同人 social 啦。因為哩段時間我都成日喺屋企，時間耐咗都覺得有啲孤單。你近排過得點啊?" [Audio1_1]

Question 1: How are you these days?

1. Great
2. Good
3. Could be better
4. Bad

問題 1：你最近怎麼樣呢？

1. 非常好
2. 還不錯
3. 有待改善
4. 很差

E: "I can imagine. It's important to stay positive."

N.E: "Okay"

(E means empathic response from Zora robot, N.E. means non-empathic response from Zora, the same below)

E: "我可以想象倒。最重要嘅係保持樂觀。"

N.E: "Okay"

(E 表示 Zora 帶有同理心的反饋，而 N.E. 代表沒有同理心的反饋。下同)

General sentence:

"Because I have to stay at home, I have less social contact than usual. How about you? Do you still have a lot of social contact?"

“我哩段時間成日喺屋企，冇得好似以前咁成日同朋友仔聚埋一齊。你呢？你依家係咪仲有好多社交活動呀？”

Question 2: Do you still have a lot of social contact?

1. Yes, a lot
2. Enough
3. Less than usual
4. No / none

問題 2：你現在還有很多社交活動嗎？

1. 非常多
2. 不多不少剛剛好
3. 比以前少
4. 幾乎沒有

E: “Okay, I hope that you find it okay. Do you feel lonely when you are alone?”

N.E: “Okay. Do you feel lonely when you are alone?”

E: “係啊。點都好。希望你重 okay 啦。咁你平時一個人嘅時候會唔會覺得孤單呀？”

N.E: “Okay. 咁你平時一個人嘅時候會唔會覺得孤單呀？”

Question 3: Do you feel lonely when you are alone?

1. Yes
2. No

問題 3：當你一個人的時候，你會感覺到孤單嗎？

1. 會
2. 不會

E: “Oh, I understand it. Some people find it lonely when they are alone. But I think it is important to learn solitude. It is a great time to have self-exploration and self-reflection.”

N.E: “Okay.”

E: “係咁啊，我都明嘅。有啲人平時一個人嘅時候，就會覺得孤單。但我諗學識獨處都係好重要嘅。獨處係一個人自我探索同埋自我反省嘅最好時機嚟嘅。”

N.E: “Okay.”

*This question is only visible at music condition

General sentence:

“I am going to tell you a secret. I like to play music. Did you ever see a robot play music?”

“話俾你知一個秘密啦。我好鐘意音樂嘅。之前有冇機器人播過音樂俾你聽呀？”

Question 4: Did you ever see a robot play music?

1. Yes.

2. No.

問題4：你之前有看過機器人播音樂嗎？

1. 有

2. 沒有

E: "Ha-ha, I am the special robot with my own taste. Today I would like to play one of my favorite songs for you. I hope you like it."

N.E: "Okay. Today I would like to play one of my favorite songs for you. I hope you like it"

E: "哈哈，我係一個有自己品味嘅機器人。我今日想播一首我最鐘意嘅歌俾你聽。我希望你鐘意啦。"

N.E: "Okay. 今天我想播一首我最鐘意嘅歌俾你黎聽。希望你鐘意。"

* Song is playing *

Zora is playing music - Shape of you

General sentence:

"How did you like the song?"

"你鐘意哩首歌嗎?"

Question 5: How did you like the song?

1. Yes

2. No

問題5：你喜歡這首歌嗎？

1. 喜歡

2. 不喜歡

E: "Oh, it exceeded my expectations. Next time, I will play another song for you."

N.E: "Okay."

E: "Oh, 真係超出咗我嘅想象。下一次，我會播另外一首歌俾你聽。"

N.E: "Okay"

*this question is only visible at non-music condition

General sentence:

"Do you have any ways to stay positive during this hard time?"

"係哩段唔係好自由嘅時期，你有冇一啲方法令自己保持樂觀呢?"

Question 4: Do you have any ways to stay positive during this hard time?

1. Yes

2. No

問題4：在艱難的時期，你是否有一些方法使自己保持樂觀？

1. 有

2. 沒有

E: "hmmm, I can share the way to stay positive: listen to music every day and do a little dance: it keeps you positive and happy! Did you like the topic of the conversation we had today?"

N.E: "Okay. Did you enjoy the topic of today's conversation?"

E: "噃~我都有啲方法可以 share 俾你㗎。每日聽啲音樂同埋跳下舞，真係可以幫你保持樂觀同埋幸福嘎。你鐘意我哋今日傾計嘅主題嗎?"

N.E:"Okay. 你鐘意我哋今日傾計嘅主題嗎?"

Question 5: Did you like the topic of the conversation we had today?

1. Yes

2. No

問題 5 : 你喜歡我們今天聊天的內容嗎 ?

1. 喜歡

2. 不喜歡

E: "What I want to do is to make you feel better. Maybe we can continue our conversation with a new topic next time."

N.E: "Ok."

E:" 點都好，我想令你開心啲。或者我哋下次可以傾下其它嘢呀。"[

N.E:"Ok"

End:

General phrase: It's time to say goodbye! I hope to see you again soon! Finally, please enter your code. There will be some questions to remind you of the code.

"夠鐘講再見啦。我希望好快就又可以見到你啦。最後，請根據提示填低你嘅編號。"

Final Question:

Please re-enter your code. The code should be

First letter of your last name (e.g. W if Wong) + Date of birth (e.g. 1404 if April 14) + First letter of your mother's last name (e.g. K if Ko)

Thus, the code could look like this: W1404K

Please type yours here: _____

最后的问题：

请重新输入你的代码。该代码应为

你姓氏的首字母（例如，如果是 Wong，则为 W）+ 出生日期（例如，如果是 4 月 14 日，则是 1404）+ 你母亲姓氏的首字母（例如，如果是 Ko，则为 K）

因此，代码会如下所示：W1404K

请在此输入你的代码：_____