Study 3

There has been an increase of bot/suspicious workers on MTurk recently. To ensure you are a real worker, please solve the following problem, writing out your answer in a single **word**:

Five plus three equals:

[Participants who did not write 'eight' or were not using Chrome/Firefox were unable to complete the study]

Page Break

Instructions:

Behavioral log present condition:

In this study, you will be testing out questions for a language learning app, much like the popular app Duolingo.

Below is an example question from the French language module:

To complete the question, you would put your answer (cat) into the 'solution' textbox and hit 'go.'

If you get stuck, you can click 'Show Hint' to see a helpful hint!
In this study, we are testing out two of our modules: **Portuguese a**nd **Hawaiian**.

Behavioral log absent condition:

In this study, you will be testing out questions for a language learning app, much like the popular app Duolingo.
Below is an example question from the French language module:

Write this French word in English:

le chat

To see the answer to the vocabulary question above, click here.

○ See answer

To complete the question, you would put your answer (cat) into the textbox and then continue to the next question.

If you want to see if you got the question correct, you can click 'See answer' to see the answer!

In this study, we are testing out two of our modules: **Portuguese** and **Hawaiian**.

Page Break ───────────────────────────────────────

This app is still in the testing phase. We may have had enough people test out certain vocabulary words already. If you encounter one of these words, you will not be able to see that exact question, but instead will see a 'quota' message like this:

Unfortunately, enough people have already tested out this vocabulary word.

If you see such a message, you will be able to continue testing out other vocabulary words. It is not a reflection that you have messed up or that the study is broken. You will only see this quota message once, if at all.

Page Break ───────────────────────────────────────

You have been assigned to start by testing **Portuguese** questions.

Press the arrow button to start.

Much like other apps, this app features a "**question tracker**." This tracker logs how many language learning questions you attempt while testing this app.

The purpose of this tracker is to show you your progress in completing questions. In fact, many apps use trackers like this to help motivate users.

Page Break

Only PORTUGUESE questions will be counted towards your question tracker. To log a Portuguese question on your tracker, you simply write in the vocabulary word in English.

 For example, once you attempt one Portuguese question and log it into your tracker, your question tracker will look like this:

Questions attempted: 1

✓

Hawaiian questions will NOT count towards your question tracker.

Press the arrow button to start using the language learning app.

The *behavioral log present* condition saw the following questions within our app interface:

Questions attempted: 0

Write this Portuguese word in English:

obrigado

Page Break _____

The answer was **Thank you**.

Press the Next button below to add this question to your tracker.

Page Break _____

Questions attempted: 1

✓

Press the arrow to go on to the next question!

Page Break _____

Questions attempted: 1

✓

Write this Portuguese word in English:

o cachorro

Page Break _____

The answer was **dog**.

Press the Next button below to add this question to your tracker.

Questions attempted: 2

✓ ✓

Press the arrow to go on to the next question!

Questions attempted: 2

✓ ✓

Write this Portuguese word in English:

a casa

The answer was **house**.

Press the Next button below to add this question to your tracker.

Questions attempted: 3

✓ ✓ ✓

Press the arrow to go on to the next question!

Page Break

Intact streak condition:

Questions attempted: 3

✓ ✓ ✓

Write this Portuguese word in English:

o carro

Page Break

The answer was **car**.

Press the Next button below to add this question to your tracker.

Page Break

Questions attempted: 4

✓ ✓ ✓ ✓

Press the arrow button to go on to the next question!

Broken streak condition:

Unfortunately, enough people have already tested out this vocabulary word.

Because you could not complete the previous question, you cannot add it to your question tracker.

Questions attempted: 3

✓ ✓ ✓ ✗

Press the arrow button to go on to the next question!

The *behavioral log absent* condition saw the following questions in the normal Qualtrics format:

Write this Portuguese word in English:

obrigado

To see the answer to the vocabulary question above, click here.
○ See answer

If clicked, they saw: The answer was **Thank you**.

Write this Portuguese word in English:

o cachorro

To see the answer to the vocabulary question above, click here.
○ See answer

If clicked, they saw: The answer was **dog**.

Write this Portuguese word in English:

a casa

To see the answer to the vocabulary question above, click here.
○ See answer

If clicked, they saw: The answer was **house**.

Write this Portuguese word in English:

o carro

To see the answer to the vocabulary question above, click here.

○ See answer

The answer was **car**.

Unfortunately, enough people have already tested out this vocabulary word.

Page Break

Question for participants who selected Portuguese in our main DV:

Write this Portuguese word in English:

olá

Question for participants who selected Hawaiian in our main DV:

Write this Hawaiian word in English:

aloha

Page Break

The answer was **hello**.

You've finished all available language learning questions!

Questions:

Main DV: [Note, participants in the behavioral log present conditions saw their tracker at the top of the screen, along with a notification stating "You have a streak of completing Portuguese questions!" in the intact streak condition, or "You have a broken streak!" in the broken streak condition]

Now, you have a choice.

You can continue to learn more Portuguese for your last question.

Or, you can switch to a completely new language module.

Please make your choice:

PORTUGUESE   HAWAIIAN

○   ○

Demographics:

What is your gender? [Male (1), Female (2), Other/prefer not to say (3)]

What is your age? [numeric free response]

Please write any comments you may have about this study below. [free response]