Thanks for participating in our study!

You were selected as a possible participant in this study because you are an MTurk worker, and your participation in this research study is voluntary.

Please read:

For each task, you'll watch an audio clip from someone speaking a word. An **Artificial Intelligence (AI) prediction** is trying to determine what word they are saying.

The person may say one of the following words: "yes", "no", "on", "off", "up", "down", "left", "right", "stop", "go".

First, we want to know if the AI was correct in its decision.

Next, there will be two methods explaining why the AI made this decision.

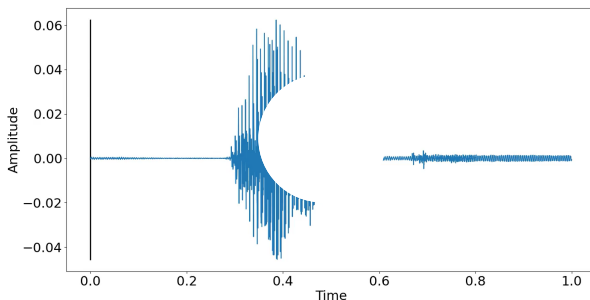We want your opinion on **which is a better explanation** for this decision.

Please be sure to select one of the methods for every task.

NOTE: The videos may load slow, or may appear green. Please click them and they should play.

Task 1

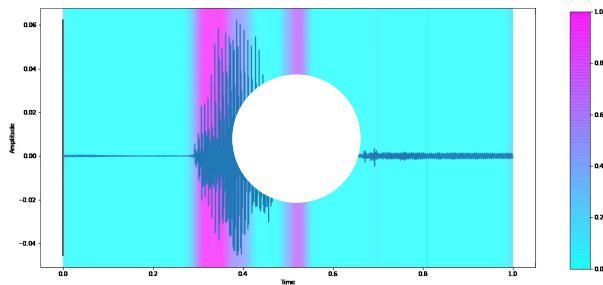**An AI algorithm thinks this person is saying "right".**

Correctness: Did the AI classify this word correctly?
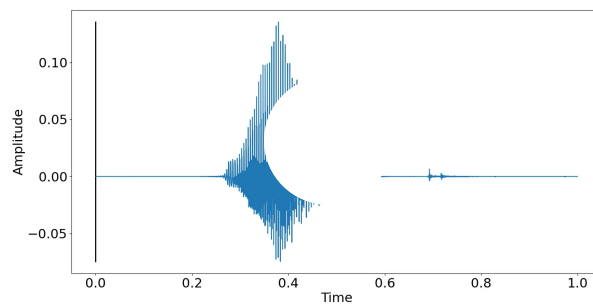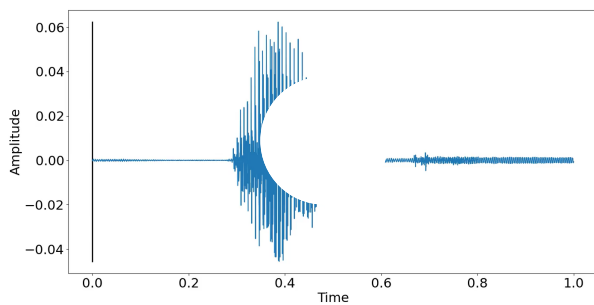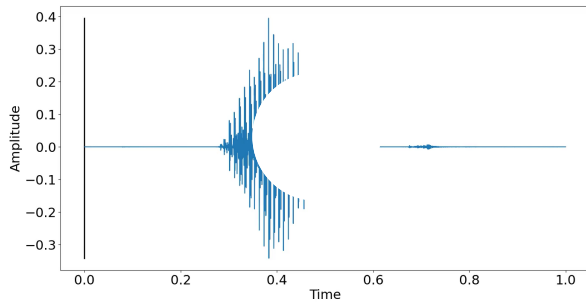
○ Yes

○ No

Explanation 1: Heatmap

Here is a heatmap of where in the audio the AI thinks are most important.

Explanation 2: Training Examples

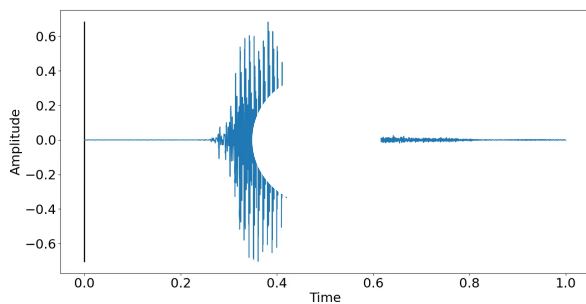The AI thinks this audio is similar to these three other known examples of someone saying 'right'.

Which explanation is better?

○ Heatmap (top)

○ Training Examples (bottom)

Task 2

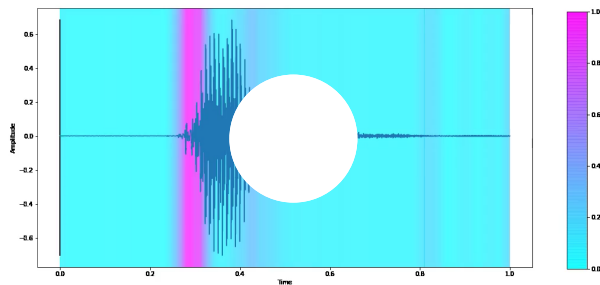**An AI algorithm thinks this person is saying "yes".**

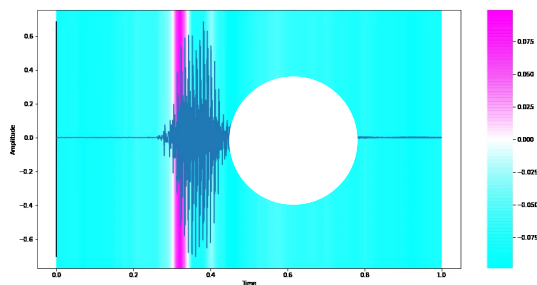**Correctness:** Did the AI classify this word correctly?

○ Yes

○ No

Explanation 1: Heatmap

Here is a heatmap of where in the audio the AI thinks are most important.

Explanation 2: Positive/Negative Analysis

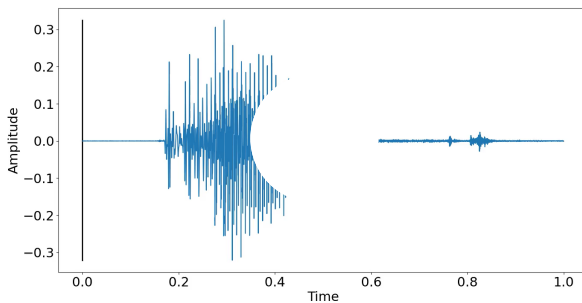The AI decision was influenced positively by the magenta areas and negatively by blue areas.

Task 3

An AI algorithm thinks this person is saying "down".
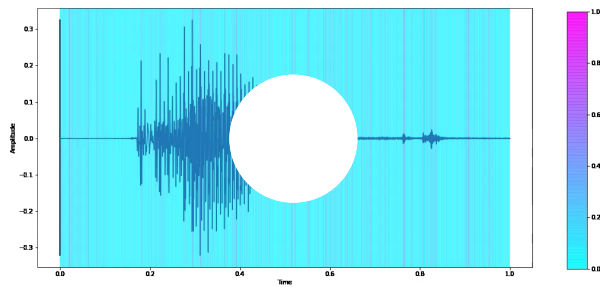

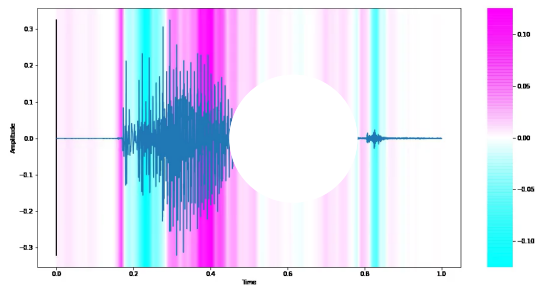**Correctness:** Did the AI classify this word correctly?

◯ Yes

◯ No

Explanation 1: Hot Pixels

Magenta indicates the exact moments the AI thinks are important.

Explanation 2: Positive/Negative Analysis

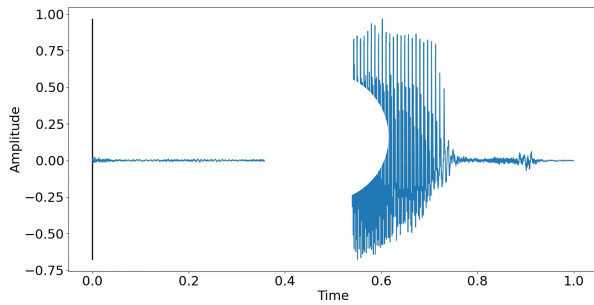The AI decision was influenced positively by the magenta areas and negatively by blue areas.

Which explanation is better?

○ Hot Pixels (top)

○ Positive/Negative Analysis (bottom)

Task 4

An AI algorithm thinks this person is saying "off".
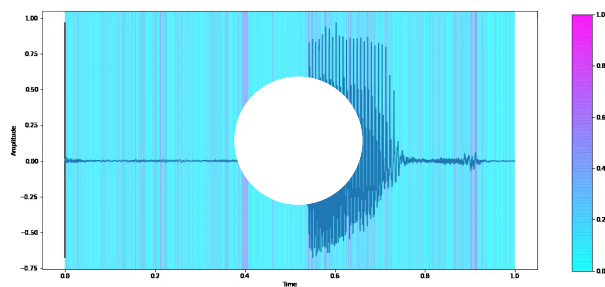

Correctness: Did the AI classify this word correctly?
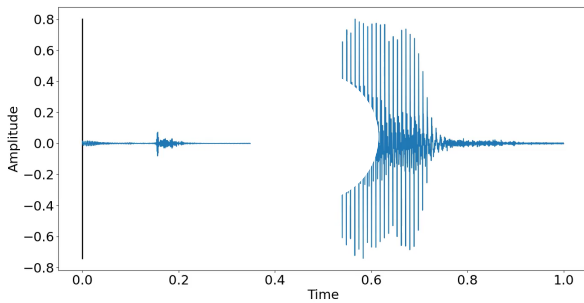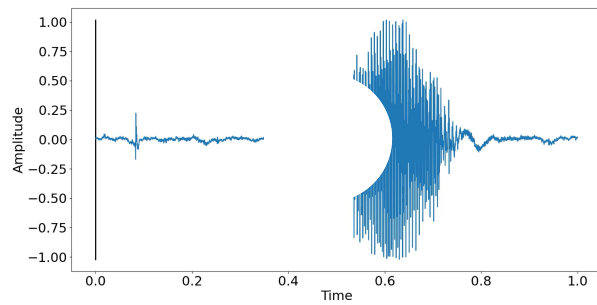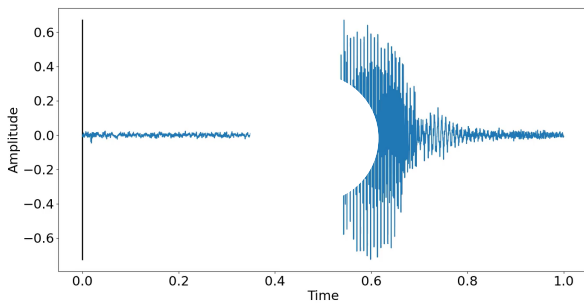
○ Yes

○ No

Explanation 1: Hot Pixels

Magenta indicates the exact moments the AI thinks are important.

Explanation 2: Training Examples

The AI thinks this audio is similar to these three other known examples of someone saying 'off'.
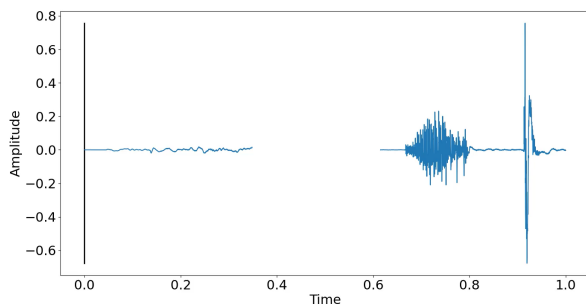

Which explanation is better?

◯ Hot Pixels (top)

◯ Training Examples (bottom)

Task 5
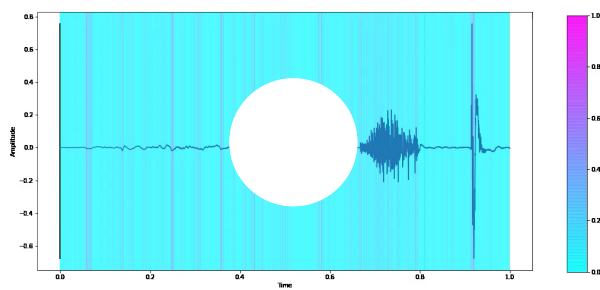
An AI algorithm thinks this person is saying "up".

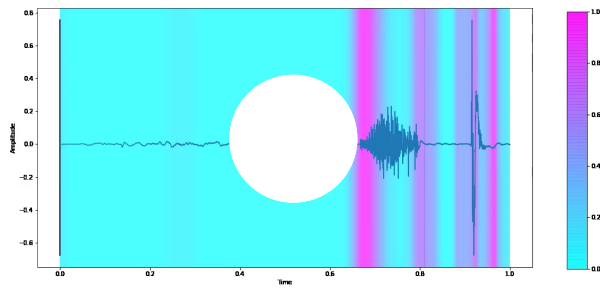Correctness: Did the AI classify this word correctly?

○ Yes

○ No

Explanation 1: Hot Pixels

Magenta indicates the exact moments the AI thinks are important.

Explanation 2: Heatmap

Here is a heatmap of where in the audio the AI thinks are most important.
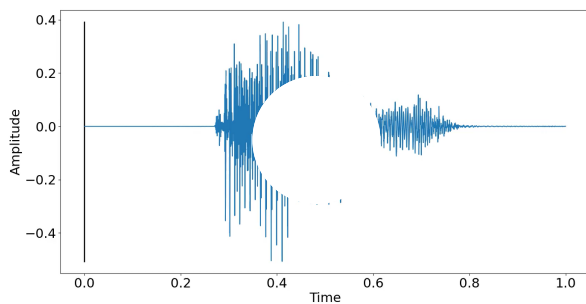
Which explanation is better?

○ Hot Pixels (top)

○ Heatmap (bottom)

Task 6

An AI algorithm thinks this person is saying "down".
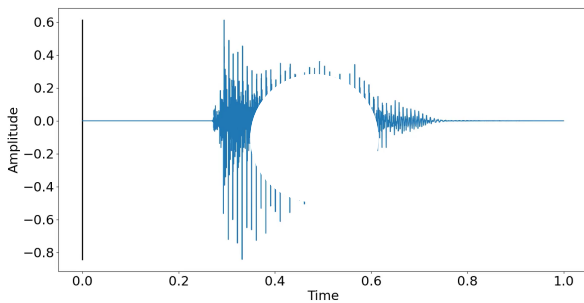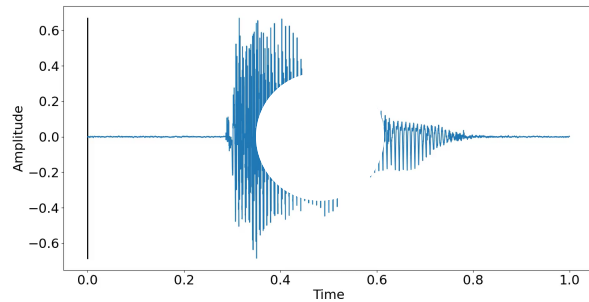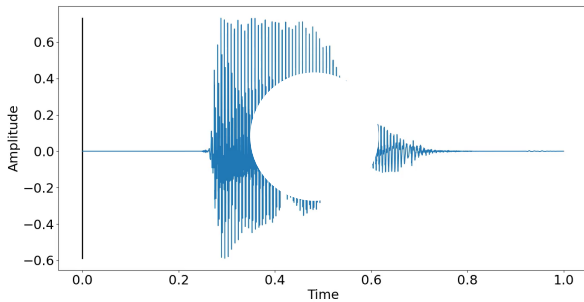
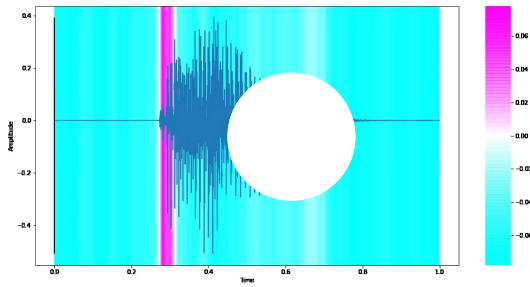**Correctness:** Did the AI classify this word correctly?

○ Yes

○ No

Explanation 1: Training Examples

The AI thinks this audio is similar to these three other known examples of someone saying 'down'.

Explanation 2: Positive/Negative Analysis

The AI decision was influenced positively by the magenta areas and negatively by blue areas.

Which explanation is better?

○ Training Examples (top)

○ Positive/Negative Analysis (bottom)

Note: only click submit once, or your entry may be lost.

Submit