

Can AI Help People Search for Sounds?

Your Participation Matters! (Example)

This questionnaire is designed to gather your insights on various sound searching platforms. Your contributions are incredibly important for the enhancement of our AI-assisted Sound Searching technology.

The questionnaire has three sections:

1. Search for Sounds with BBC Sound Effects Library.
2. Search for Sounds with an AI-assisted Sound Searching System.
3. Comparative Analysis

Please kindly fill out this form within your designated time slot.

Your thoughtful participation is highly appreciated and will directly impact the evolution of sound search capabilities.

Search for Sounds with BBC Sound Effects Library.

Imagine you are working on a radio drama and trying to choose suitable sound effects.

This section requires the following steps for each question:

Step 1. Please read the description of sound (the text in **bold font**), such as **A dog is barking happily.**

Step 2. Visualize the scenario vividly in your mind and search the suitable sound using the BBC Sound Effect library.

Step 3. Choose one of the values between 0 and 10 to describe how difficult it is to find sounds that match the scene you imagine.

Please click this link to access the library: <https://sound-effects.bbcrewind.co.uk/>

1. Please enter your email or name so I can confirm your completion and send you the voucher *

2. **Opens a cupboard.** *

0	1	2	3	4	5	6	7	8	9	10
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Very easy to find
suitable sounds

Extremely hard to find
suitable sounds

3. **Sound of an old wooden rowing boat in a still sea.** *

0	1	2	3	4	5	6	7	8	9	10
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Very easy to find
suitable sounds

Extremely hard to find
suitable sounds

4. **A fire is burning in a stove. A man breaks a piece of wood in two and puts it in the stove.** *

0	1	2	3	4	5	6	7	8	9	10
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Very easy to find
suitable sounds

Extremely hard to find
suitable sounds

5. **Distant bells.** *

0	1	2	3	4	5	6	7	8	9	10
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Very easy to find
suitable sounds

Extremely hard to find
suitable sounds

6. **Coin goes into 1970's phone box. We hear dialling.** *

0	1	2	3	4	5	6	7	8	9	10
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Very easy to find
suitable sounds

Extremely hard to find
suitable sounds

7. Jazz piano. Footsteps walk on stage. *

0	1	2	3	4	5	6	7	8	9	10
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Very easy to find
suitable soundsExtremely hard to find
suitable sounds**8. The wedding night, in the bed chamber. The heavy oak door slams shut.**

*

0	1	2	3	4	5	6	7	8	9	10
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Very easy to find
suitable soundsExtremely hard to find
suitable sounds**9. The drip of water in an echoing stone space. The slight murmur of crowds and music far away.**

*

0	1	2	3	4	5	6	7	8	9	10
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Very easy to find
suitable soundsExtremely hard to find
suitable sounds**10. Sound of taxi pulling up outside a farm.**

*

0	1	2	3	4	5	6	7	8	9	10
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Very easy to find
suitable soundsExtremely hard to find
suitable sounds**11. A man starts shouting excitedly.**

*

0	1	2	3	4	5	6	7	8	9	10
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Very easy to find
suitable soundsExtremely hard to find
suitable sounds

12. **Walks towards the lifts and presses the button.**

*

0	1	2	3	4	5	6	7	8	9	10
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Very easy to find
suitable sounds

Extremely hard to find
suitable sounds

13. **Background: phones, typewriters.**

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0	1	2	3	4	5	6	7	8	9	10
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Very easy to find
suitable sounds

Extremely hard to find
suitable sounds

14. Please answer the following questions about your experience of using BBC Sound Effect Library for sound searching.

Mental Demand - the following question assesses how easy or demanding, simple or complex you found the task.

How mentally demanding was the task?

*

15. *Temporal Demand - the following question measures how much time pressure you felt in performing the task.*

How hurried or rushed was the pace of the task? *

0	1	2	3	4	5	6	7	8	9	10
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Very Low

Very High

16. *Performance - the following question is a self-assessment of your performance in the task.*

How successful were you in accomplishing what you were asked to do? *

0	1	2	3	4	5	6	7	8	9	10
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17. *Effort - the following question assesses the intensity of work needed for your performance.*

How hard did you have to work to accomplish your level of performance? *

0	1	2	3	4	5	6	7	8	9	10
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18. *Frustration - the following question measures experience of frustration in the task.*

How insecure, discouraged, irritated, stressed, and annoyed were you? *

0	1	2	3	4	5	6	7	8	9	10
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Very Low

Very High

Search for Sounds with an AI-assisted Sound Searching System

Similar to the first section, imagine you are a sound effect engineer and working on choosing suitable sound effect for a radio drama.

This section requires the following steps for each question:

Step 1. Please read the description of sound (the text in **bold font**), such as **A dog is barking happily.**

Step 2. Visualize the scenario vividly in your mind and search the suitable sound using the AI-assisted Sound Searching System.

Step 3. Choose one of the values between 0 and 10 to describe how difficult it is to find sounds that match the scene you imagine.

Please click this link to access the AI-assisted Sound Searching

19. **Opens a cupboard.** *

0	1	2	3	4	5	6	7	8	9	10
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Very easy to find
suitable sounds

Extremely hard to find
suitable sounds

20. **Sound of an old wooden rowing boat in a still sea.** *

0	1	2	3	4	5	6	7	8	9	10
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Very easy to find
suitable sounds

Extremely hard to find
suitable sounds

21. **A fire is burning in a stove. A man breaks a piece of wood in two and puts it in the stove.** *

0	1	2	3	4	5	6	7	8	9	10
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Very easy to find
suitable sounds

Extremely hard to find
suitable sounds

22. Distant bells. *

0	1	2	3	4	5	6	7	8	9	10
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Very easy to find
suitable sounds

Extremely hard to find
suitable sounds

23. Coin goes into 1970’s phone box. We hear dialling. *

0	1	2	3	4	5	6	7	8	9	10
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Very easy to find
suitable sounds

Extremely hard to find
suitable sounds

24. Jazz piano. Footsteps walk on stage. *

0	1	2	3	4	5	6	7	8	9	10
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Very easy to find
suitable sounds

Extremely hard to find
suitable sounds

25. The wedding night, in the bed chamber. The heavy oak door slams shut.

*

0	1	2	3	4	5	6	7	8	9	10
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Very easy to find
suitable sounds

Extremely hard to find
suitable sounds

26. The drip of water in an echoing stone space. The slight murmur of crowds and music far away.

*

0	1	2	3	4	5	6	7	8	9	10
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Very easy to find
suitable sounds

Extremely hard to find
suitable sounds

27. Sound of taxi pulling up outside a farm.

*

0	1	2	3	4	5	6	7	8	9	10
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Very easy to find
suitable soundsExtremely hard to find
suitable sounds**28. A man starts shouting excitedly.**

*

0	1	2	3	4	5	6	7	8	9	10
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Very easy to find
suitable soundsExtremely hard to find
suitable sounds**29. Walks towards the lifts and presses the button.**

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0	1	2	3	4	5	6	7	8	9	10
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Very easy to find
suitable soundsExtremely hard to find
suitable sounds**30. Background: phones, typewriters.**

*

0	1	2	3	4	5	6	7	8	9	10
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Very easy to find
suitable soundsExtremely hard to find
suitable sounds

31. Please answer the following questions about your experience of using the AI-assisted Sound Search System **(check!!!!)** for sound searching.

Mental Demand - the following question assesses how easy or demanding, simple or complex you found the task.

How mentally demanding was the task? *

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32. *Temporal Demand - the following question measures how much time pressure you felt in performing the task.*

How hurried or rushed was the pace of the task? *

0	1	2	3	4	5	6	7	8	9	10
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Very Low

Very High

33. *Performance - the following question is a self-assessment of your performance in the task.*

How successful were you in accomplishing what you were asked to do? *

0	1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	---	----

34. *Effort - the following question assesses the intensity of work needed for your performance.*

How hard did you have to work to accomplish your level of performance? *

0	1	2	3	4	5	6	7	8	9	10
---	---	---	---	---	---	---	---	---	---	----

Very Low

Very High

35. *Frustration - the following question measures the experience of frustration in the task.*

How insecure, discouraged, irritated, stressed, and annoyed were you? *

0	1	2	3	4	5	6	7	8	9	10
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Very Low

Very High

Your input matters!

Thank you for your effort! Please answer the following questions comparing the two systems.

36. How well did you perform the task with the AI-assisted Sound Searching System compared to the BBC Sound Effect Library? *

0	1	2	3	4	5	6	7	8	9	10
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Much Worse.
(AI System is worse)

Significantly Better
(AI System is better)

37. The reason of choosing the score in the previous Question? *

38. Would you consider using the new AI-assisted Sound Searching System after the experiment in your workflow? *

0	1	2	3	4	5	6	7	8	9	10
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39. The reason of choosing the score in the previous Question? *

40. What did you like most about using the AI-assisted Sound Searching System? What aspects did you find most helpful or useful? *

41. What did you dislike most about using the AI-assisted Sound Searching System? Were there any specific scenes or situations where you felt it performed better or worse than using the BBC Sound Effect Library? *

42. Have you ever used the BBC Sound Effect Library before? *

☐ Yes

☐ No

43. How often do you use sound effect libraries in your work? *

- ☐ Daily
- ☐ Very often (several times a week)
- ☐ Often (once a week)
- ☐ Regularly (a few times a month)
- ☐ Occasionally (once a month)
- ☐ Rarely (a few times a year)
- ☐ Never

44. Could you please share your highest education level completed? *

- ☐ Less than Primary school
- ☐ Primary school
- ☐ Secondary school up to 16 years
- ☐ Higher or secondary or further education (A-levels, BTEC, etc.)
- ☐ College or university
- ☐ Post-graduate degree - Master
- ☐ Post-graduate degree - Doctoral
- ☐ Prefer not to say

45. May we kindly ask for your age? This information helps us better understand our demographic. *

- ☐ Under 18
- ☐ 18 - 24
- ☐ 25 - 34
- ☐ 35 - 44
- ☐ 45 - 54
- ☐ 55 - 64
- ☐ Over 65
- ☐ Prefer not to say

46. May we kindly ask for your gender? *

47. Thank you again for participating in our study. Your feedback is valuable to us and will help us to improve the user experience of the sound effect library in the future. Optionally you can leave any comments down below for this experiment.

Many thanks and have a great day!

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