

EXPLANATION 8 - ACOUSTIC\_GUITAR



The **BLACK-BOX** model prediction is **acoustic\_guitar** with a probability of **79.722%**.

Why is it a **acoustic\_guitar**?

ANSWER THE QUESTIONS

↓ The picture below shows the visual explanation produced by EBAnO for the prediction **acoustic\_guitar**.



1. Is it TRUE that the **GREEN** areas are correctly representing the predicted class **acoustic\_guitar**?

- ☐ Yes, the green areas are representing **acoustic\_guitar**
- ☐ Partially, the green areas are partially representing **acoustic\_guitar**
- ☐ No, the green areas are **not** representing **acoustic\_guitar**

2. Are there any **RED** areas in the image?

- ☐ Yes, there are dark red areas (even small)
- ☐ Partially, There are only soft red areas
- ☐ No, there are no red areas

3. Is it TRUE that the **RED** areas (if any) are **NOT IMPORTANT** for **acoustic\_guitar**?

- ☐ The red areas are **NOT IMPORTANT** for **acoustic\_guitar**
- ☐ The red areas are **important** for **acoustic\_guitar**
- ☐ I do not know.
- ☐ Not Available (there are no red areas)

SELECT THE EXPLANATION

↓ Among the following alternative explanations, which are the best at identifying the right portions of the image leading to the predicted class **acoustic\_guitar**?  
You can select more than one image.

Not important Important

↑ **EBAnO**

**GREEN** areas are positive for class **acoustic\_guitar**.

**RED** areas are negative for class **acoustic\_guitar**.

Not important Important

↑ **LIME**

**GREEN** areas are positive for class **acoustic\_guitar**.

**RED** areas are negative for class **acoustic\_guitar**.

Not important Important

↑ **GRAD-CAM**

Gradient saliency map from **BLUE** to **RED**.

**BLUE** areas are neutral for class **acoustic\_guitar**.

The most the area is close to **RED** color, the most it is important for class **acoustic\_guitar**.