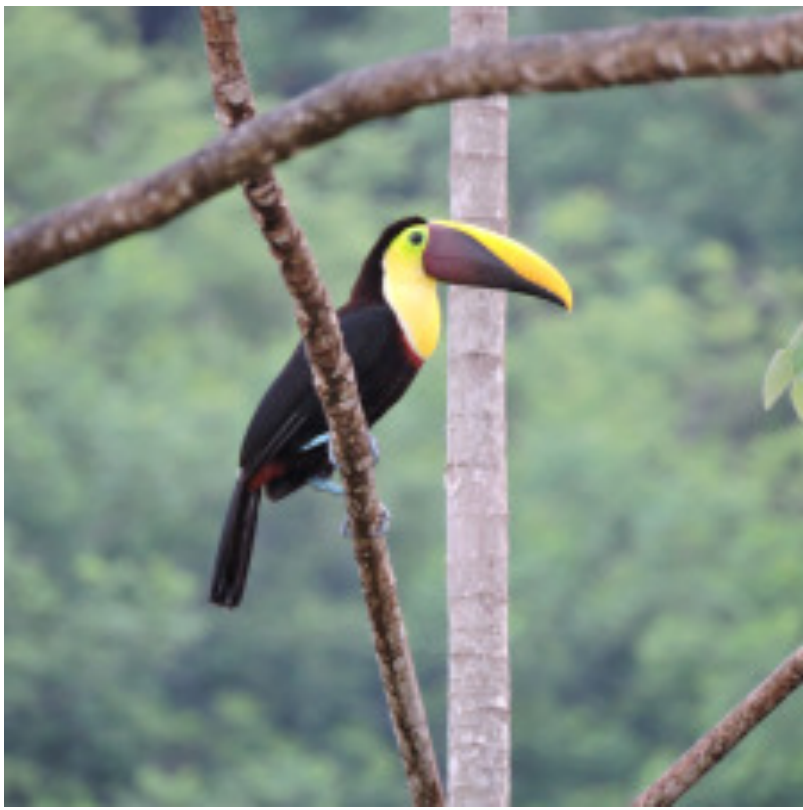


EXPLANATION 3 - TOUCAN



The **BLACK-BOX** model prediction is **toucan** with a probability of **98.557%**.

Why is it a **toucan**?

ANSWER THE QUESTIONS

↓ The picture below shows the visual explanation produced by EBAnO for the prediction **toucan**.



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

- ☐ Yes, the green areas are representing **toucan**
- ☐ Partially, the green areas are partially representing **toucan**
- ☐ No, the green areas are **not** representing **toucan**

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 **toucan**?

- ☐ The red areas are **NOT IMPORTANT** for **toucan**
- ☐ The red areas are **important** for **toucan**
- ☐ 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 **toucan**?
You can select more than one image.

A visual explanation for the prediction 'toucan' using EBAnO. The image shows a toucan bird on a branch. The background is faded, and the bird's body is highlighted in green. Below the image is a color bar ranging from 'Not important' (red) to 'Important' (green). The green areas correspond to the bird's body, indicating it is the most important part for the prediction.

↑ **EBAnO**

GREEN areas are positive for class **toucan**.

RED areas are negative for class **toucan**.

A visual explanation for the prediction 'toucan' using LIME. The image shows a toucan bird on a branch. The background is faded, and the bird's body is highlighted in green. Below the image is a color bar ranging from 'Not important' (red) to 'Important' (green). The green areas correspond to the bird's body, indicating it is the most important part for the prediction.

↑ **LIME**

GREEN areas are positive for class **toucan**.

RED areas are negative for class **toucan**.

A visual explanation for the prediction 'toucan' using GRAD-CAM. The image shows a toucan bird on a branch. The background is faded, and the bird's body is highlighted in green. Below the image is a color bar ranging from 'Not important' (red) to 'Important' (green). The green areas correspond to the bird's body, indicating it is the most important part for the prediction.

↑ **GRAD-CAM**

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

BLUE areas are neutral for class **toucan**.

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