# Chain of thought for emotion recognition



#### **User:**

Step 1: What are they planning to do?

Step 2: How many people are there in

the image?

Step 3: Can you give me the related

labels for these person?

Step 4: What are their emotions?

#### GPT-4V + SoV:

### **Question 1:**

The group in the image seems to be participating in a Halloween trick-or-treating event. They are dressed in costumes and carrying buckets for collecting candy, which is a traditional activity where participants visit houses to ask for treats. The setting, with residential cars and houses in the background, further supports that they are likely walking through a neighborhood to gather sweets from different homes.

#### **Question 2:**

There are four people in the image.

#### Question 3:

In the image:

- 1. Person 1 (on the far right) labeled as "1", wearing a black shirt with white skeleton bones printed on it and carrying an orange pumpkin bucket.
- 2. Person 2 (second from the right) labeled as "2", dressed in casual clothes, holding documents and an orange bucket.
- 3. Person 3 (second from the left) labeled as "3", dressed in a black tutu and carrying an orange bucket.
- 4. Person 4 (on the far left) labeled as "4", also dressed in a black tutu, but with a blue bucket instead.

Each label corresponds to the numbered box drawn over their faces in the image.

## **Question 4:**

From the visible expressions in the image:

- 1. Person 1 (on the far right): Appears to have a neutral expression.
- 2. Person 2 (second from the right): Their face is not visible in the image.
- 3. Person 3 (second from the left): Seems to be smiling, indicating happiness or cheerfulness.
- 4. Person 4 (on the far left): Appears to have a neutral expression.

These are the inferred emotions based on the limited facial expressions visible in the image.