

Step 1: To identify and locate faces in the image.

Face detection



Step 2: To number each face.

Number faces



Input

Input 1:

How many visible faces in the image?

Input 2:

What's emotion for each face?

SOV Prompting

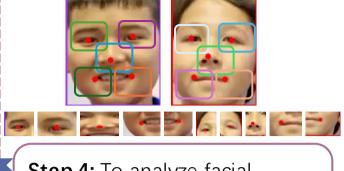
models

□ Human detection
③ Add numbers





Output 2: Face1: Happy Face2: Neutral



Step 4: To analyze facial expression by using position of nose, eye and mouth.

Spatial relationship



Step 3: To detect and extract facial landmarks.

Landmarks detection