



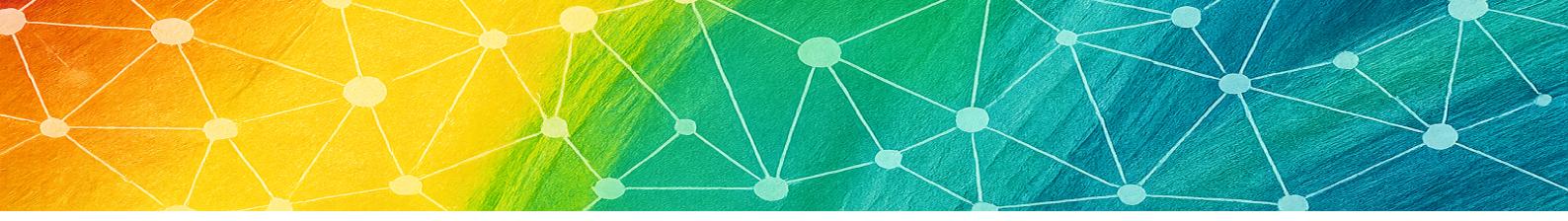
**SoulSketch**  
Draw. Feel. Understand.

# Emotional Analysis Report

ID: Drawing\_M4BMLK

Date: 05/12/2025





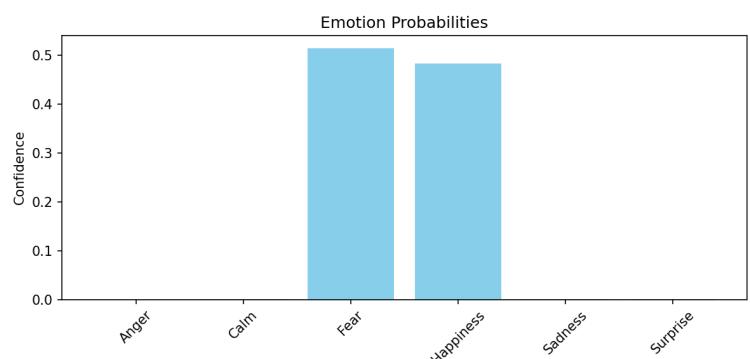
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## General Analysis – Draw



The original drawing



Emotion Distribution Plot

The dominant emotion in this drawing is:

# Fear

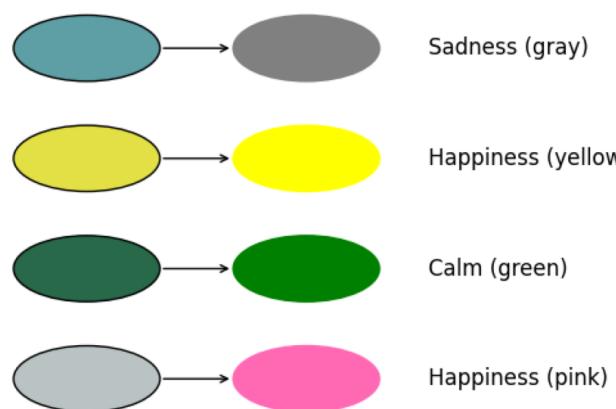
Confidence – 51%

There's a sense of **fear**, enhanced by tones.

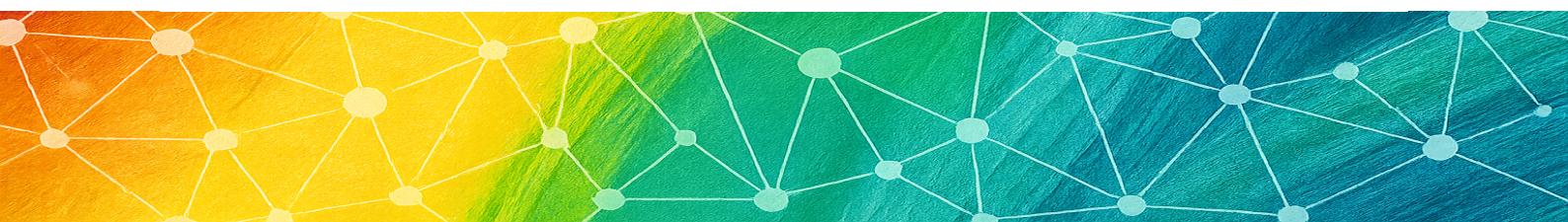
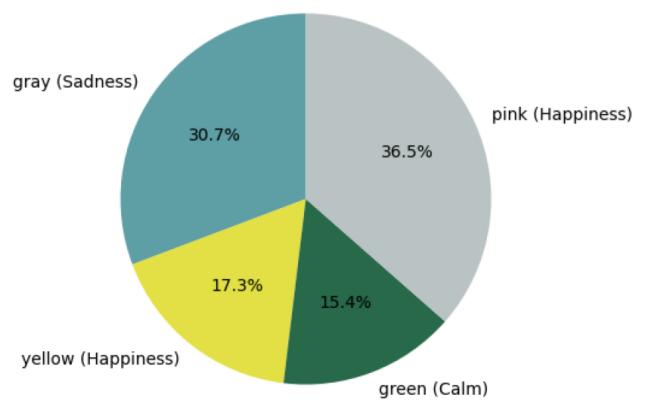
Visually, the drawing combines pink (Happiness), gray (Sadness), and yellow (Happiness).

## Drawing Analysis

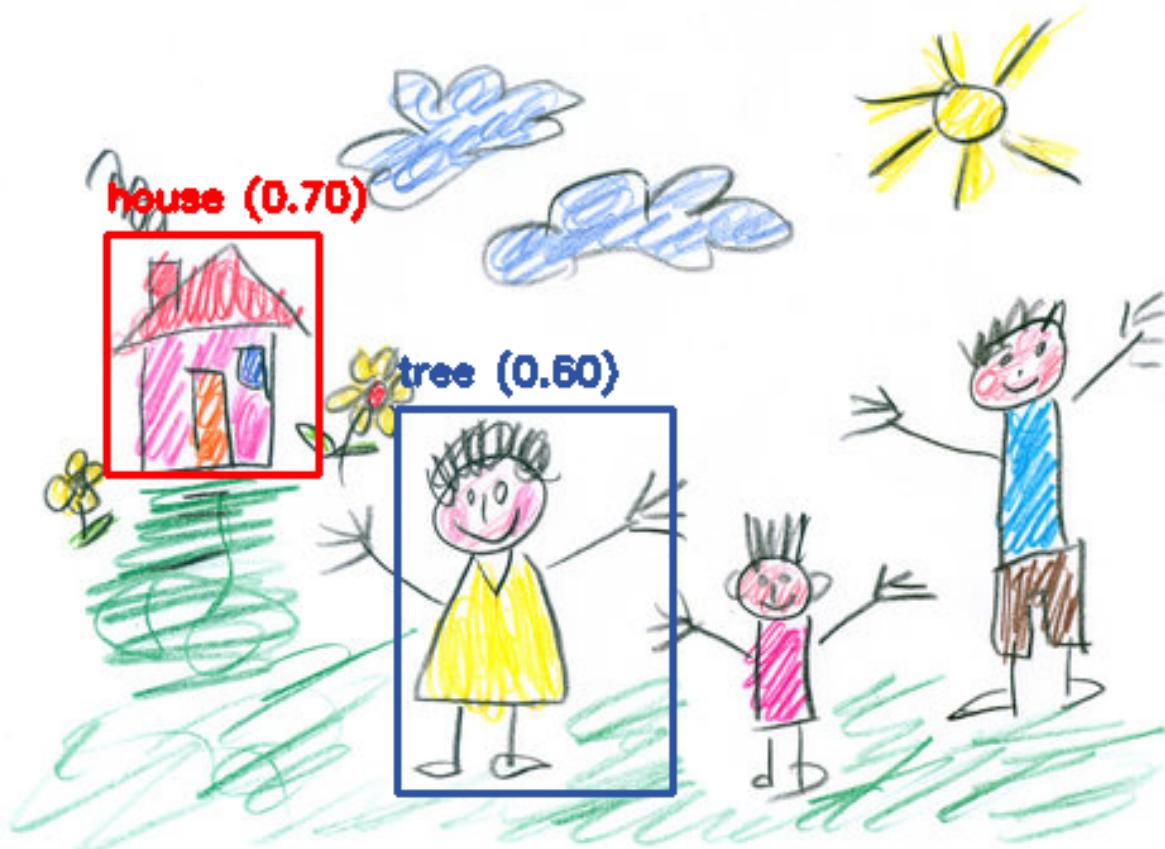
### Drawing Analysis



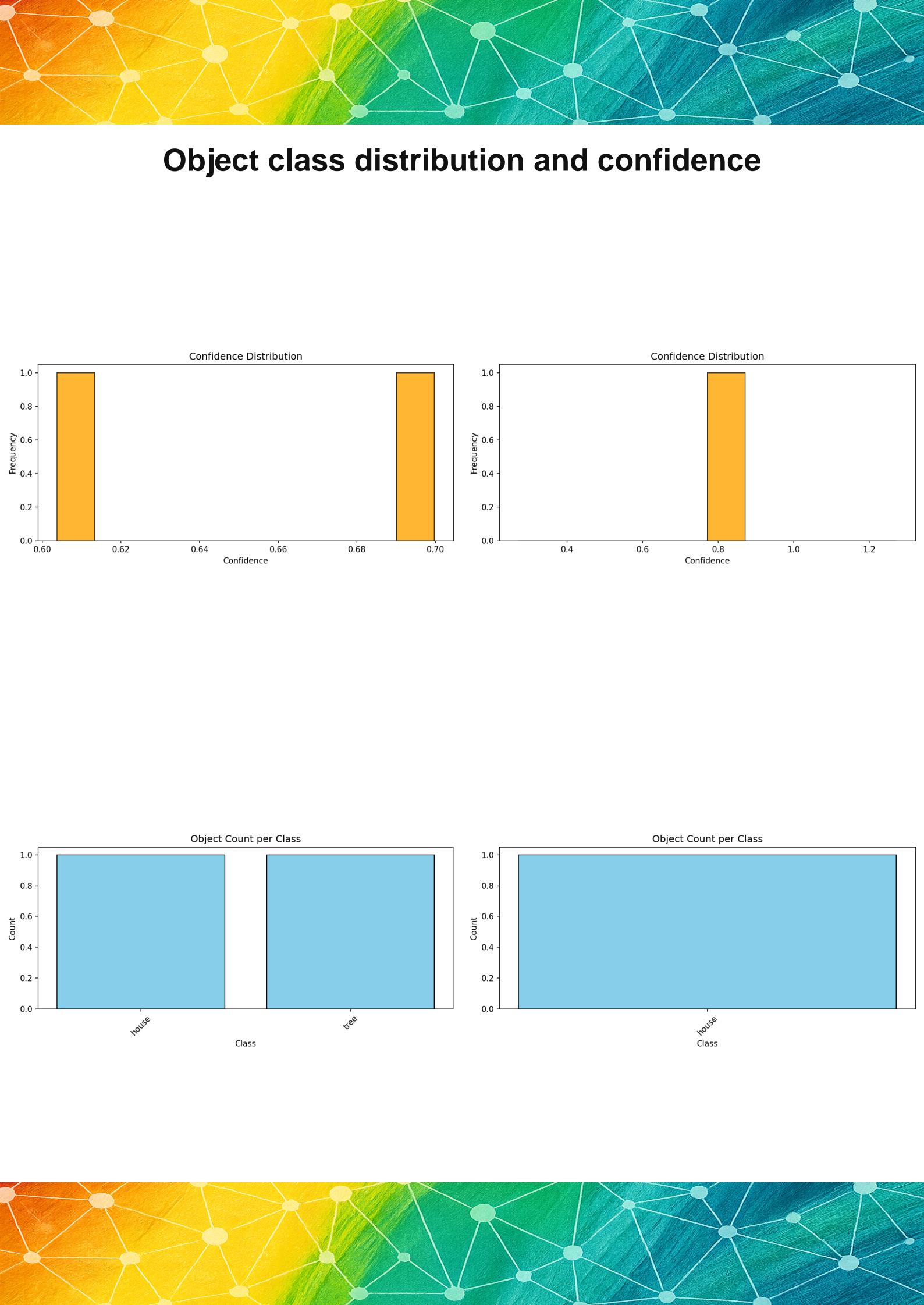
### Drawing Color Proportion



# Objects Analysis



# Object class distribution and confidence



2087 type: tree



Object Crop

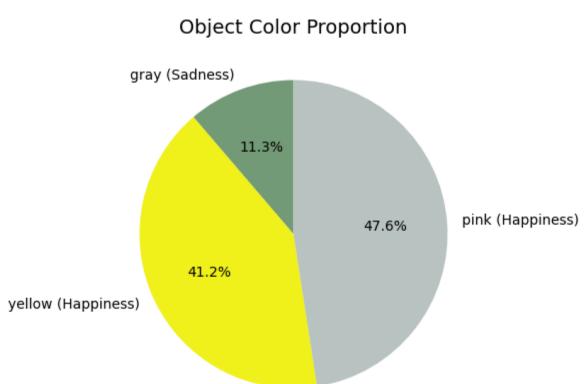
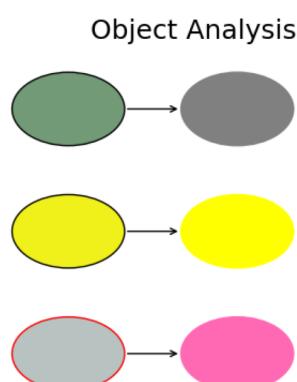
Its presence brings a sense of growth .

Its coloring feels numb and organic.

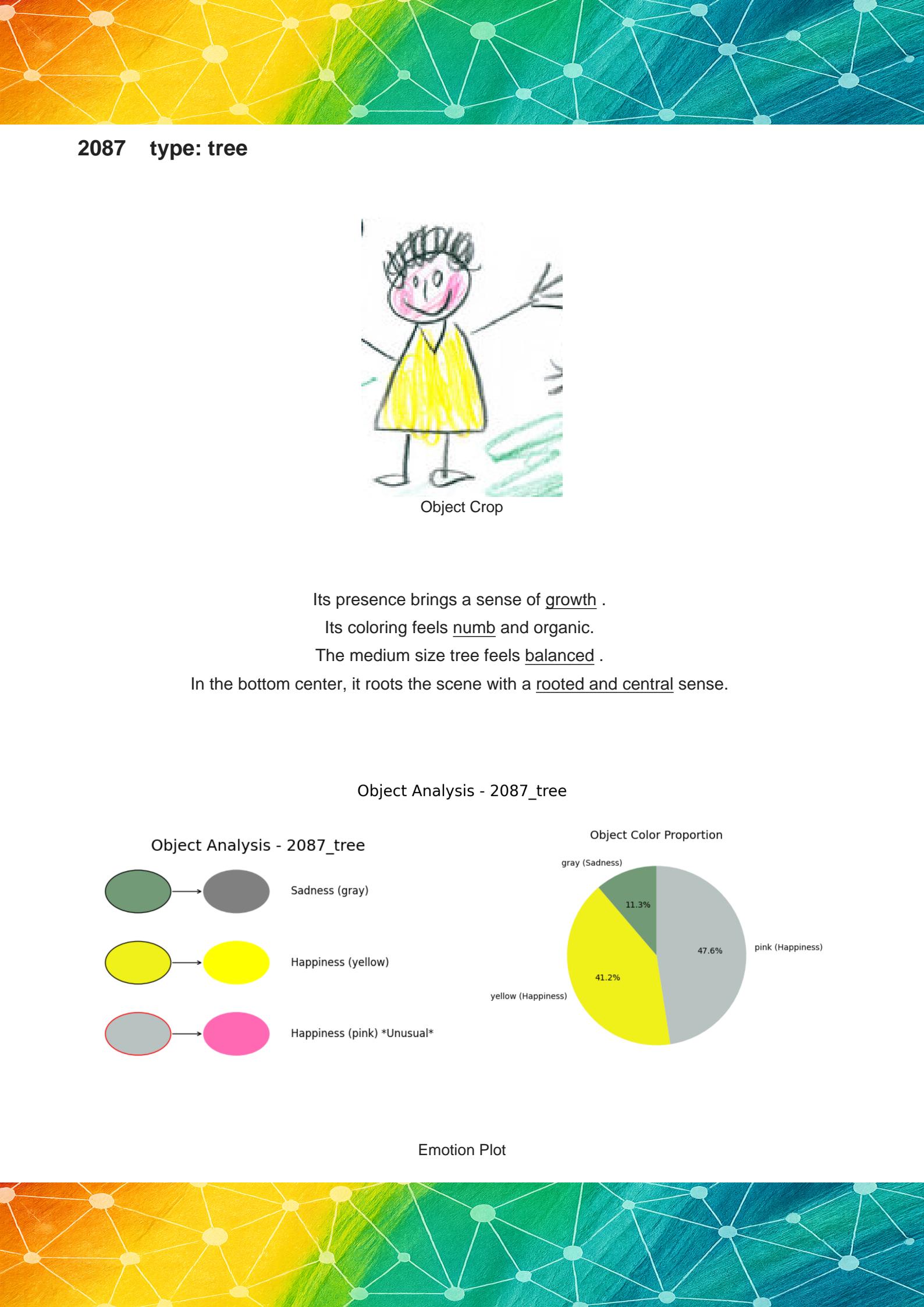
The medium size tree feels balanced .

In the bottom center, it roots the scene with a rooted and central sense.

#### Object Analysis - 2087\_tree



#### Emotion Plot



5773 type: house



The house may symbolize memory .

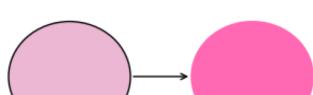
The house is depicted in a affectionate manner.

This medium-sized house gives a balanced presence.

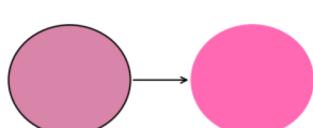
A house drawn at the top-left projects elevated and nostalgic and superior .

#### Object Analysis - 5773\_house

##### Object Analysis - 5773\_house

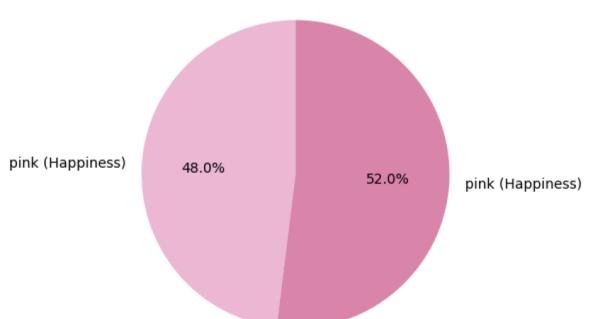


Happiness (pink)



Happiness (pink)

##### Object Color Proportion



#### Emotion Plot



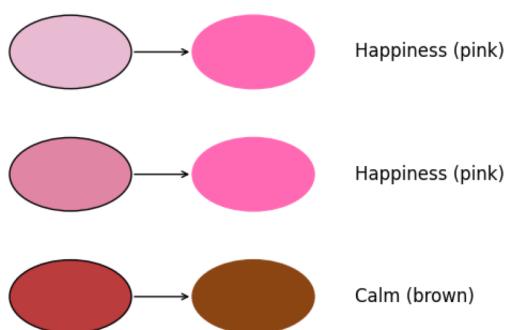
7500 type: house



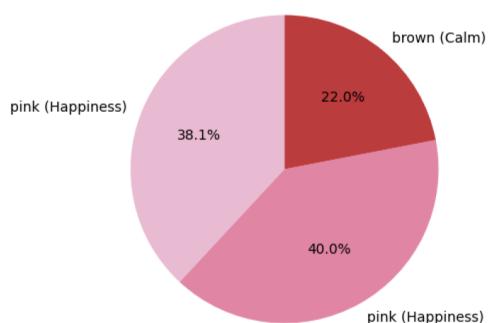
This home-like shape evokes a sense of safety.  
Its colors create a innocent impression of familiarity.  
This medium-sized house gives a settled presence.  
A house drawn at the top-left projects elevated and nostalgic and superior.

#### Object Analysis - 7500\_house

##### Object Analysis - 7500\_house

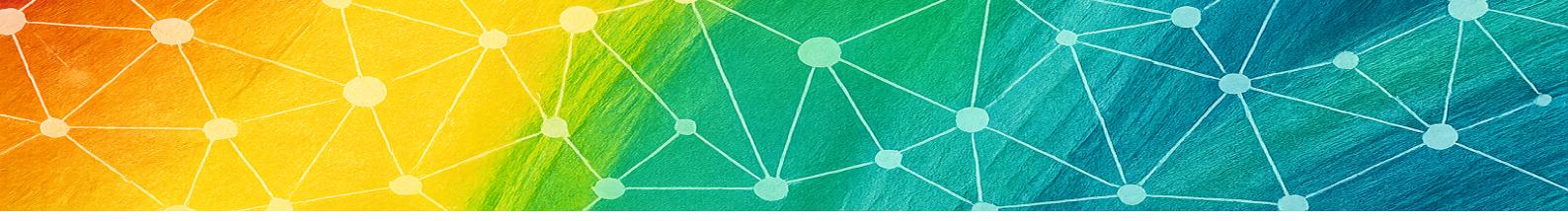


##### Object Color Proportion

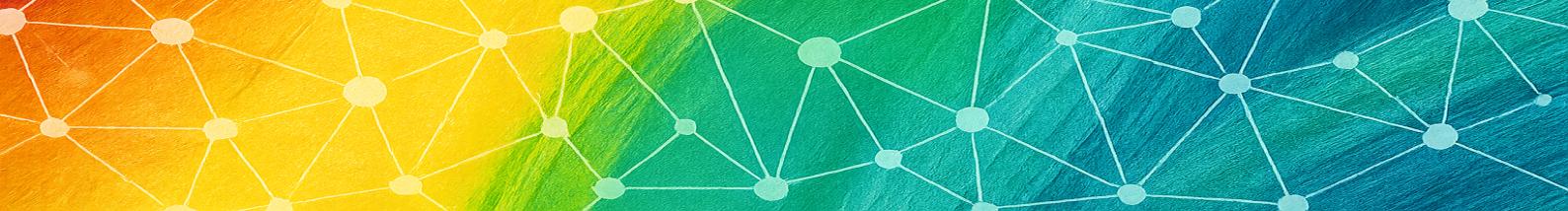


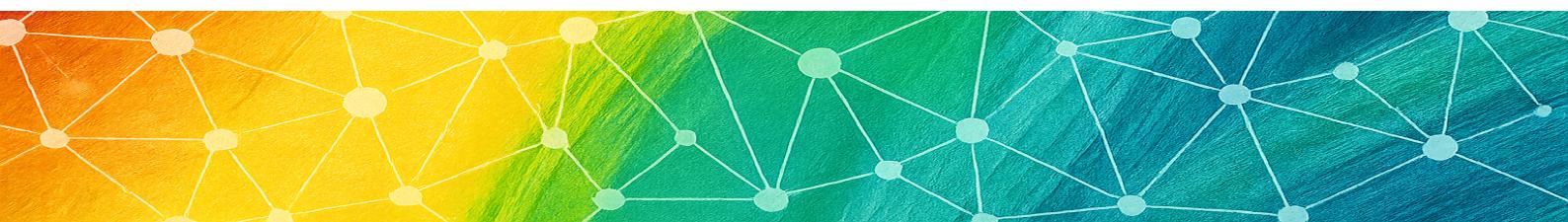
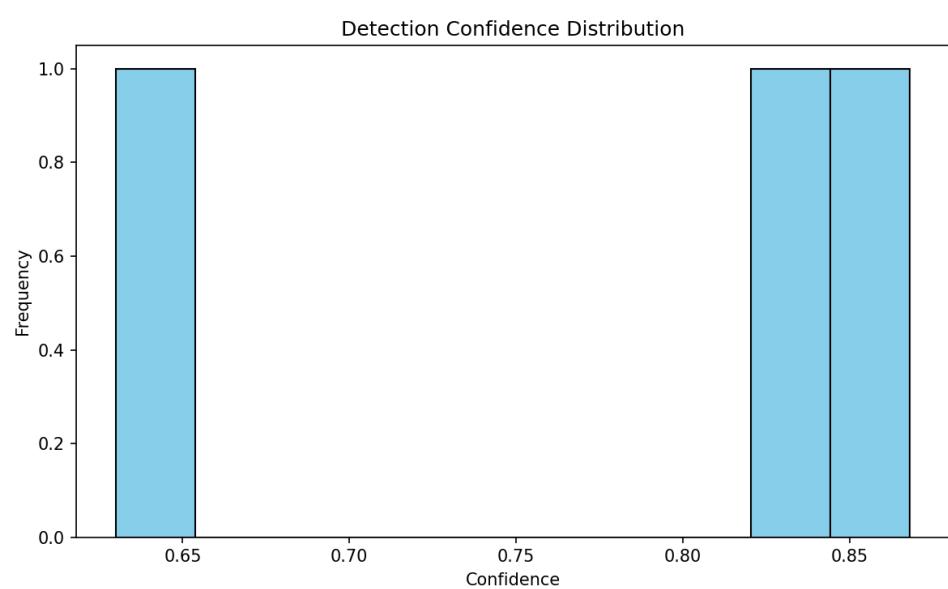
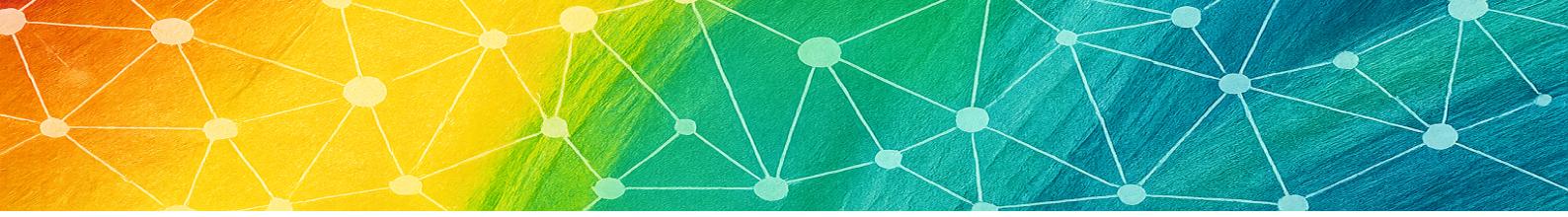
#### Emotion Plot

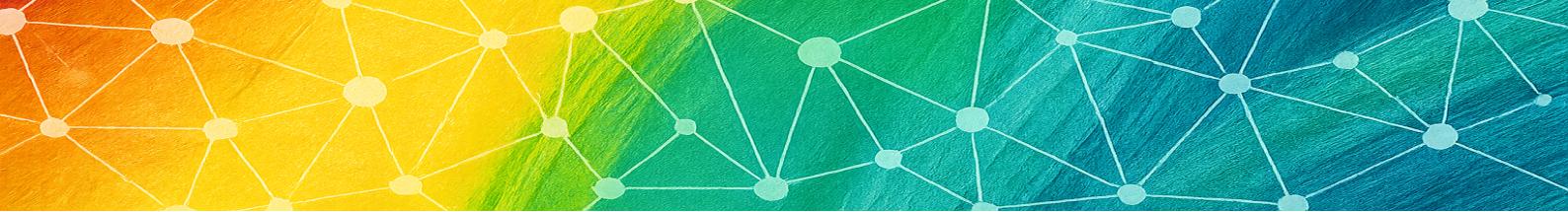




# Facial Expressions Analysis



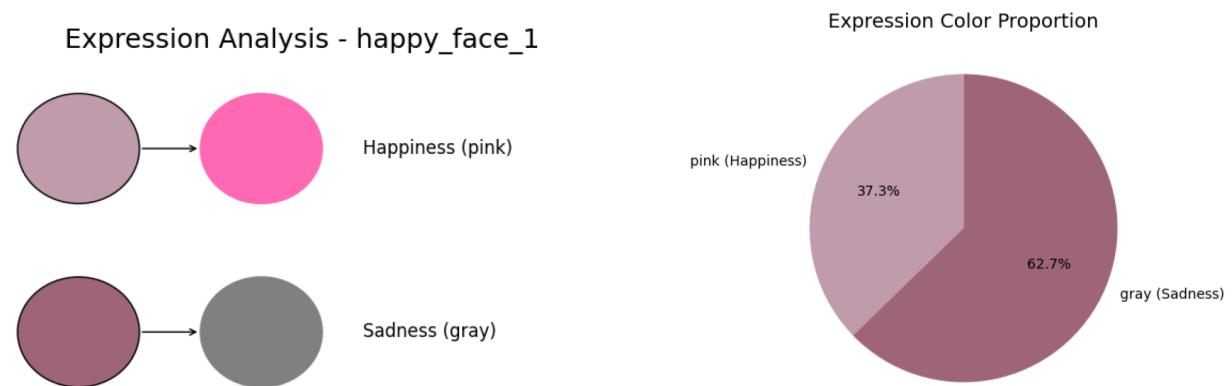




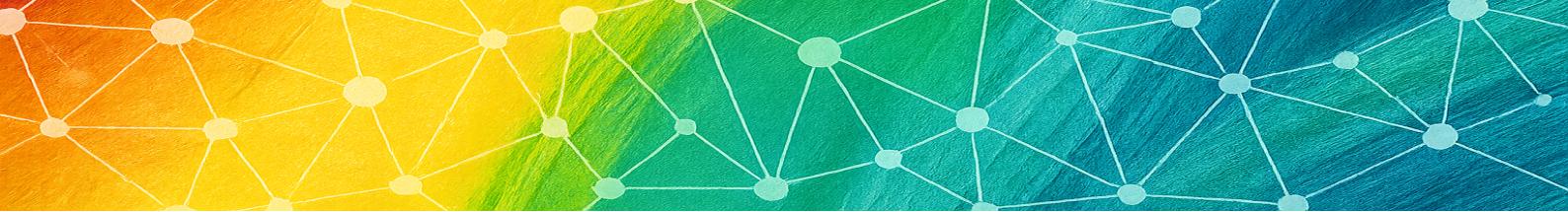
happy\_face\_1 type: Unknown



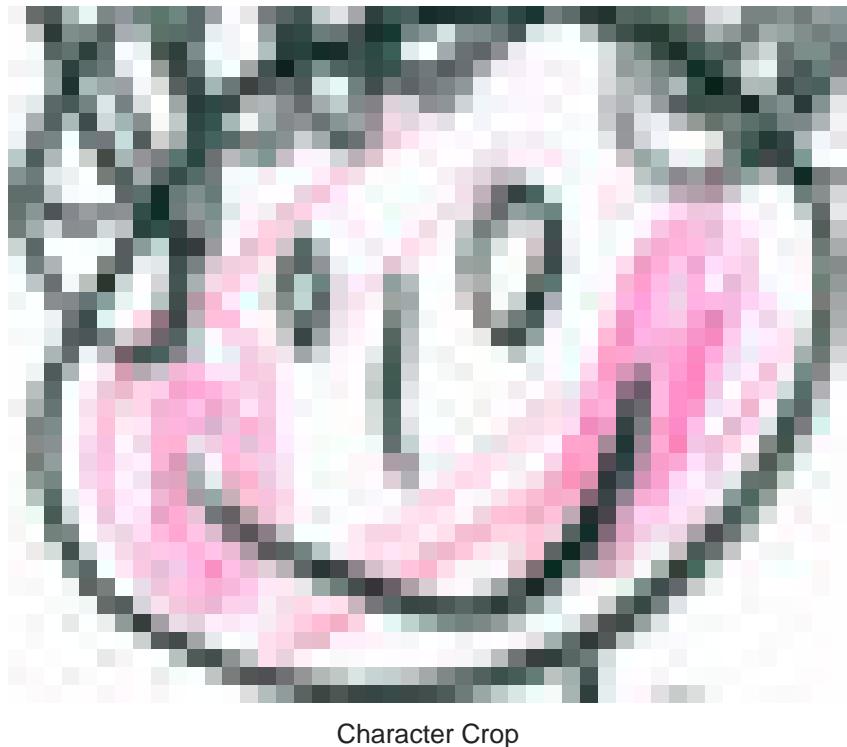
Expression Analysis - happy\_face\_1



Emotion Plot

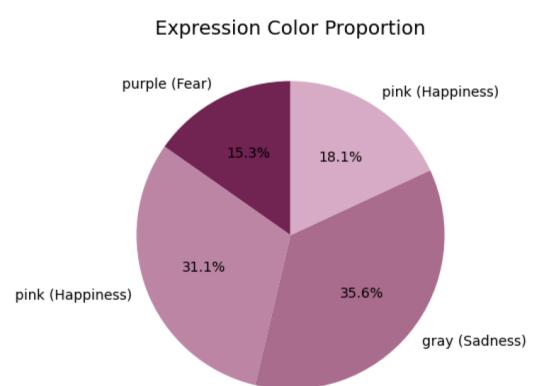
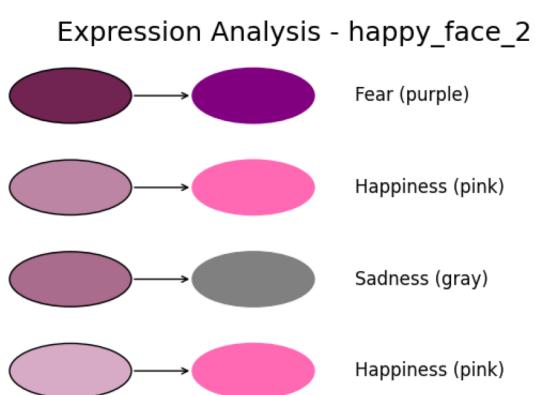


happy\_face\_2 type: Unknown

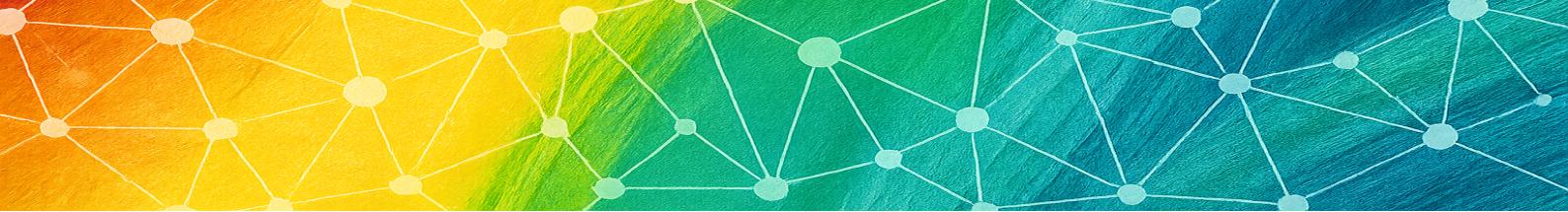


Character Crop

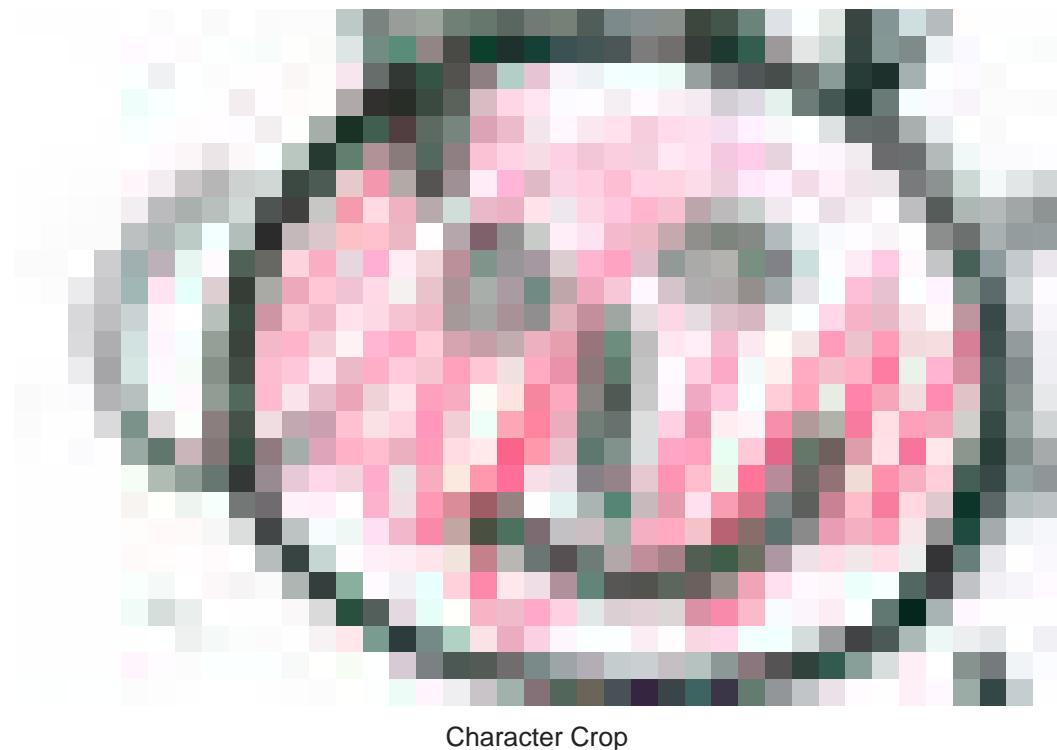
### Expression Analysis - happy\_face\_2



Emotion Plot

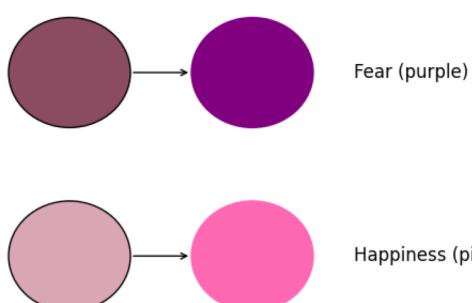


happy\_face\_3 type: Unknown

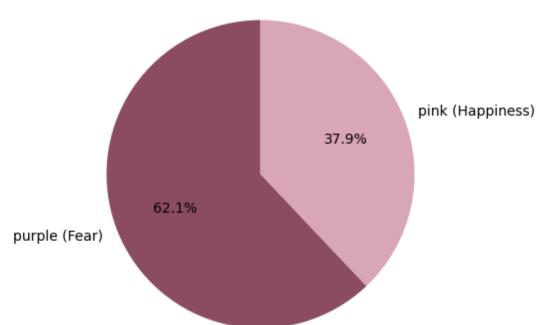


Expression Analysis - happy\_face\_3

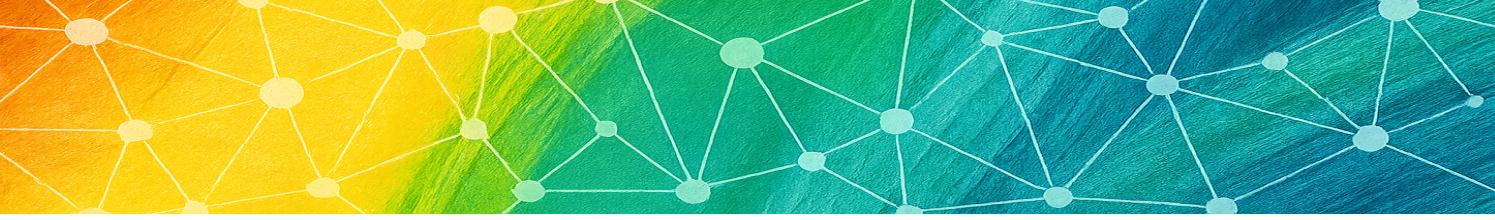
Expression Analysis - happy\_face\_3



Expression Color Proportion



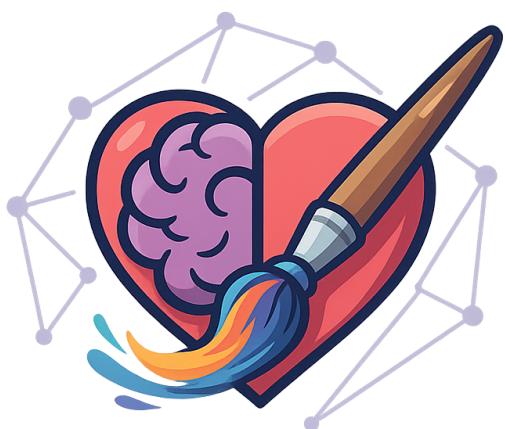
Emotion Plot



Thank you for exploring the world of emotions with Etma'en – the Emotional Drawing Analyzer.

We're proud to help unveil the feelings behind every brushstroke, every line, every color.

Your curiosity fuels the bridge between creativity and insight – and we're honored to walk that path with you.



# SoulSketch

Draw. Feel. Understand.

**SoulSketch** began as a bold academic challenge — a final project for the "Algorithms in Machine Learning and Multimedia in Python" course — and evolved into a meaningful journey.

Powered by deep learning, it transforms children's drawings into emotional narratives, combining object recognition, facial expression decoding, and rich color-emotion analysis.

More than code, this project is our heartfelt attempt to connect psychology and AI, art and algorithm.

Created with ❤ by Itay Vazana & Oriya Even Chen

