

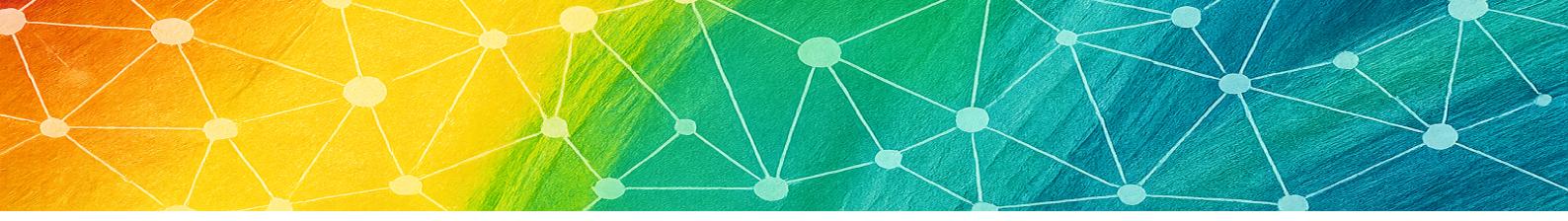
**SoulSketch**  
Draw. Feel. Understand.

# Emotional Analysis Report

ID: Drawing\_OW2E7W

Date: 05/12/2025





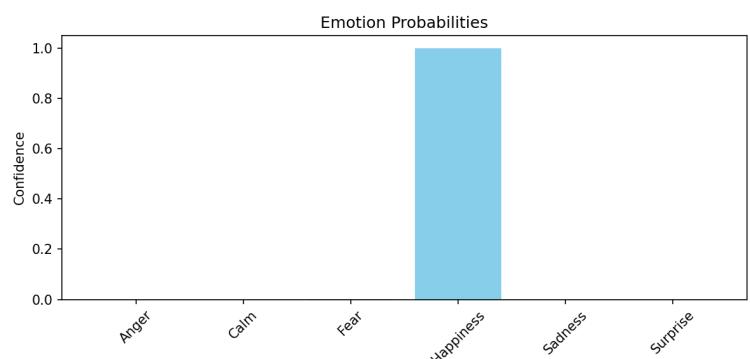
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## General Analysis – Draw



The original drawing



Emotion Distribution Plot

The dominant emotion in this drawing is:

# Happiness

Confidence – 99%

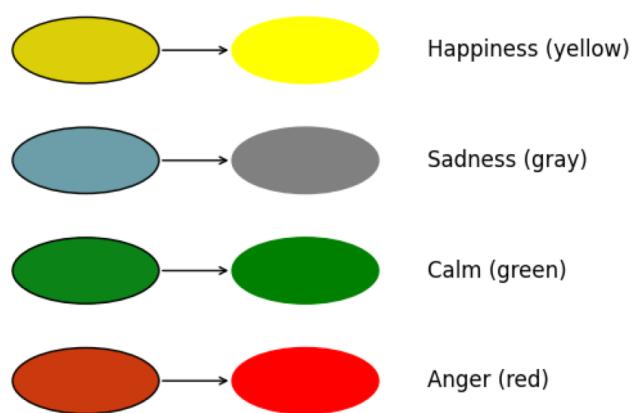
The overall mood is quite **happiness**.

Visually, the drawing combines gray (Sadness), red (Anger), and green (Calm).

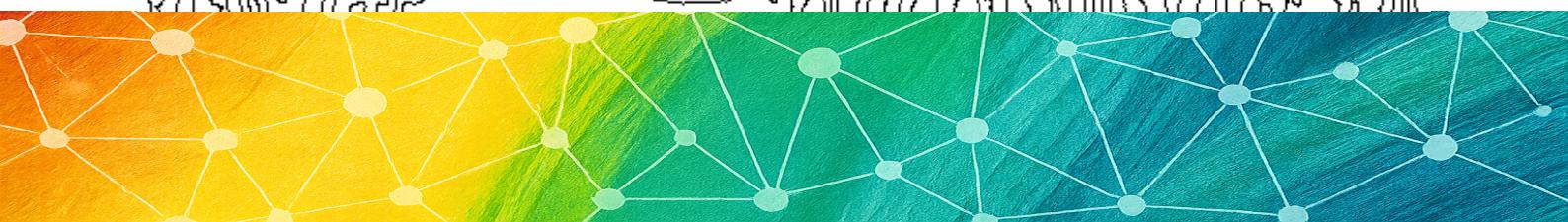
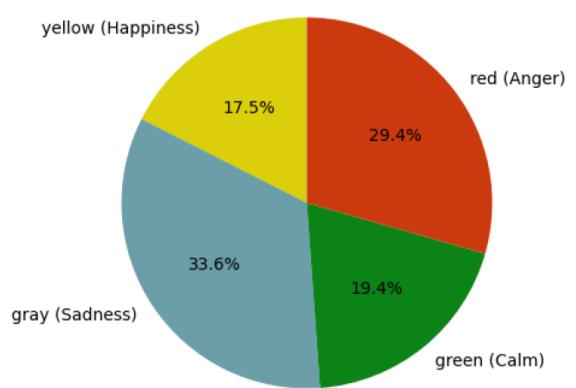


## Drawing Analysis

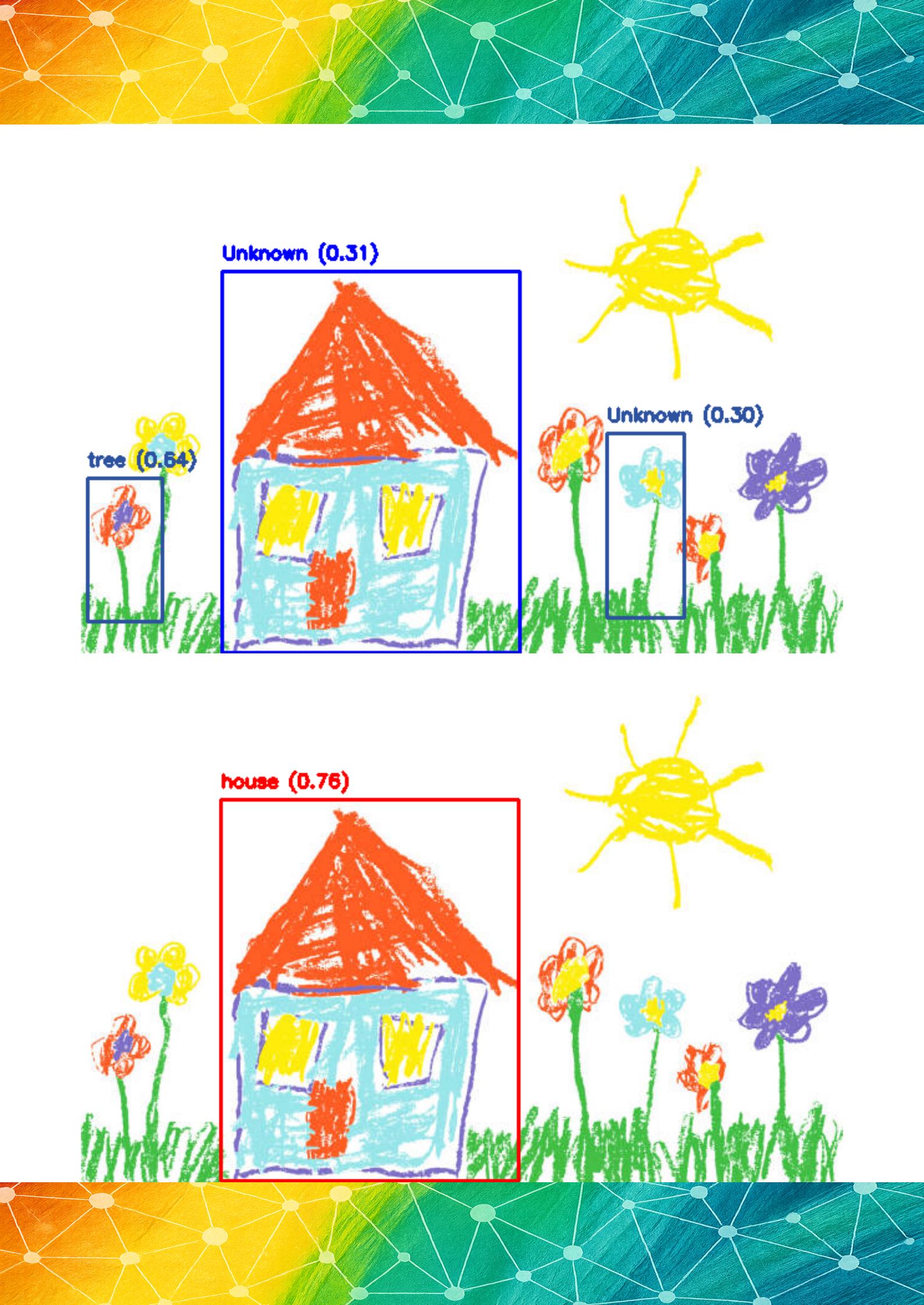
### Drawing Analysis



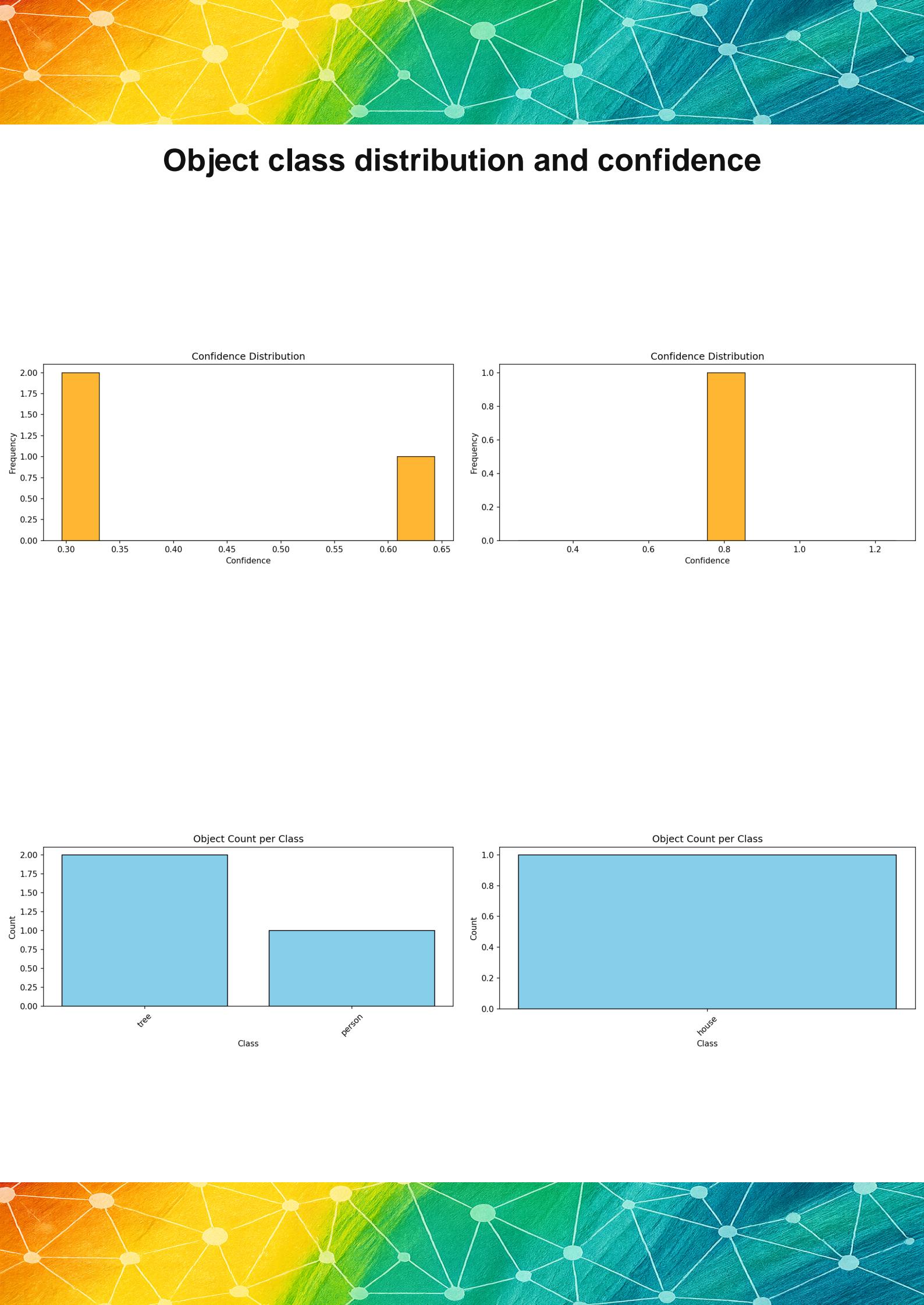
### Drawing Color Proportion



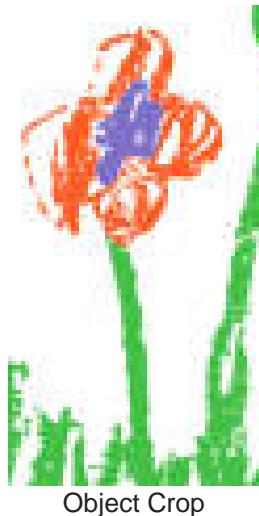
# Objects Analysis



# Object class distribution and confidence



3844 type: tree



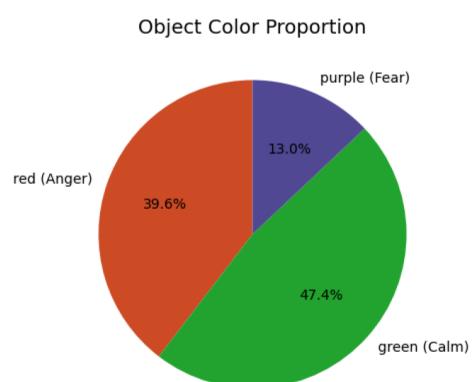
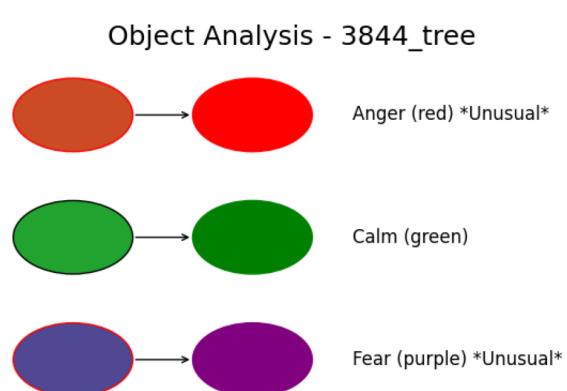
The tree could symbolize nature .

These artistic choices make the tree look intense .

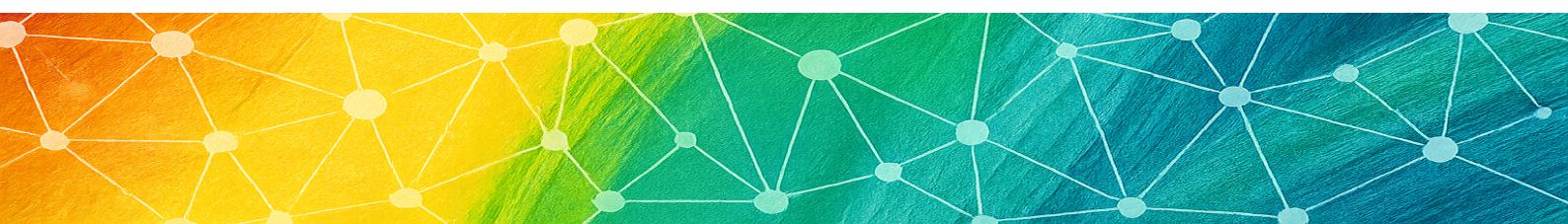
The medium size tree feels balanced .

Bottom-left position makes the tree feel safe and rooted and stable .

#### Object Analysis - 3844\_tree



#### Emotion Plot



4814 type: house



The house may symbolize stability .

This coloring feels deeply vital .

The large size of the house evokes dominant .

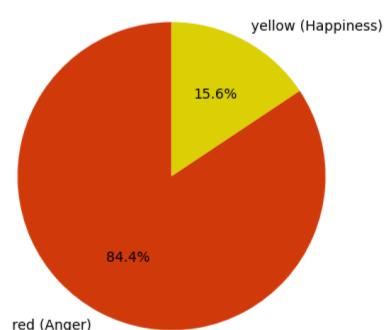
In the bottom-center, the house grounds the drawing with grounded and stable .

#### Object Analysis - 4814\_house

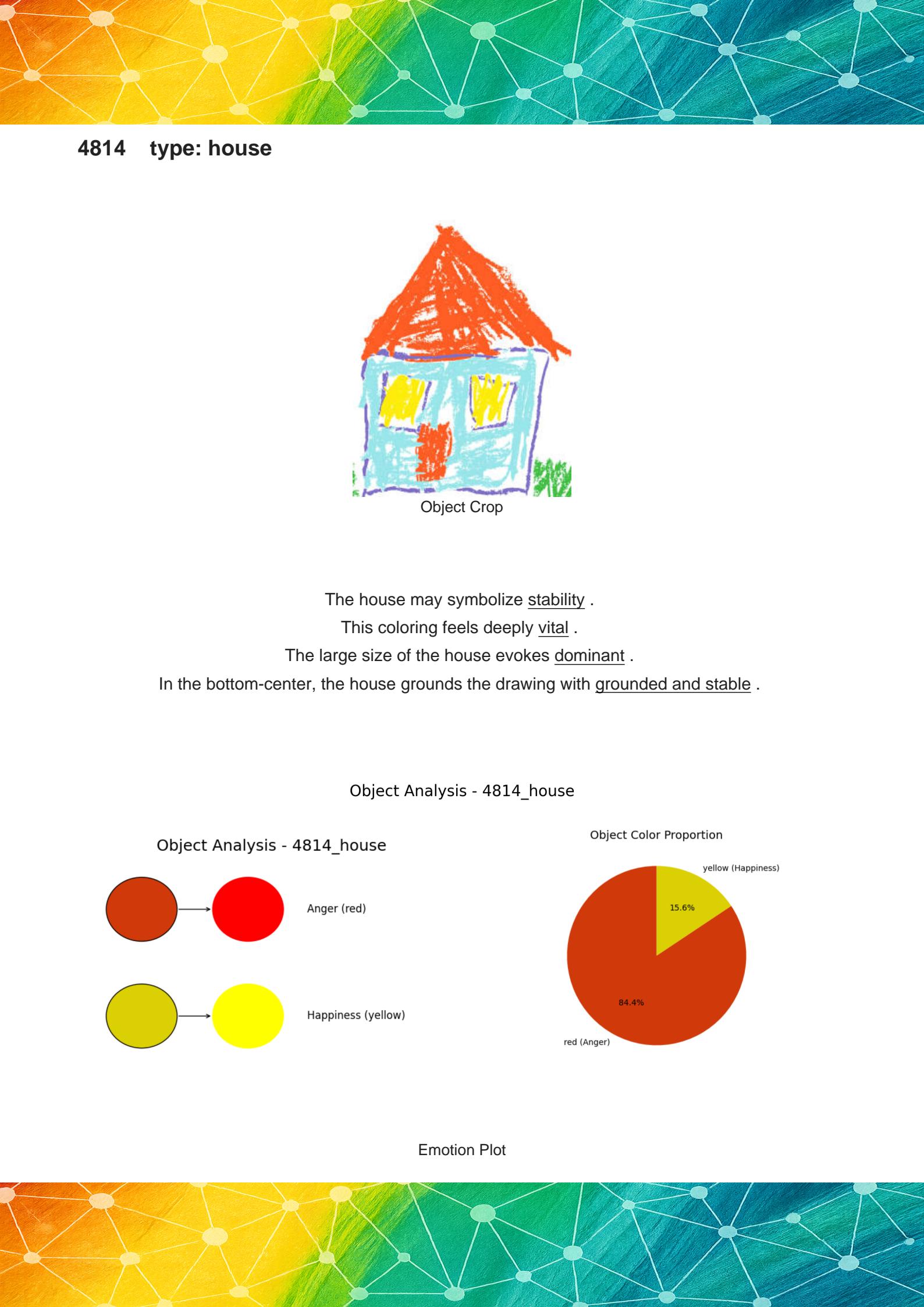
##### Object Analysis - 4814\_house



##### Object Color Proportion



#### Emotion Plot



7428 type: tree



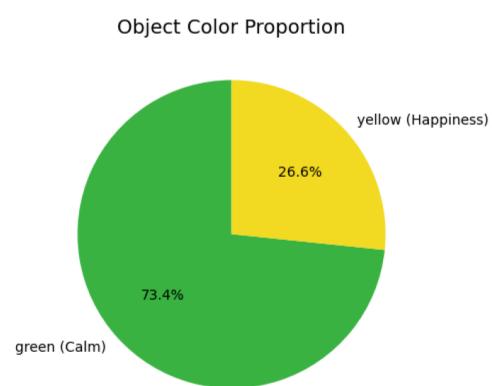
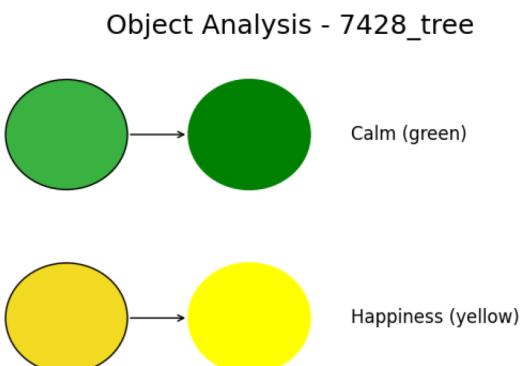
Trees often reflect groundedness themes, seen here clearly.

The tree's natural colors evoke a tranquil impression.

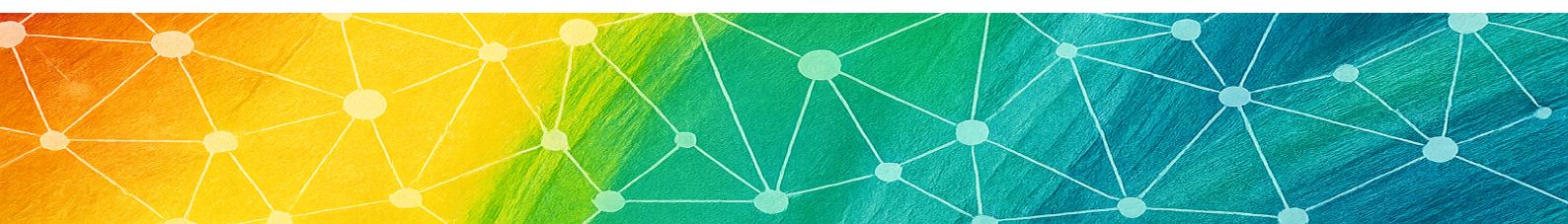
The medium size tree feels natural.

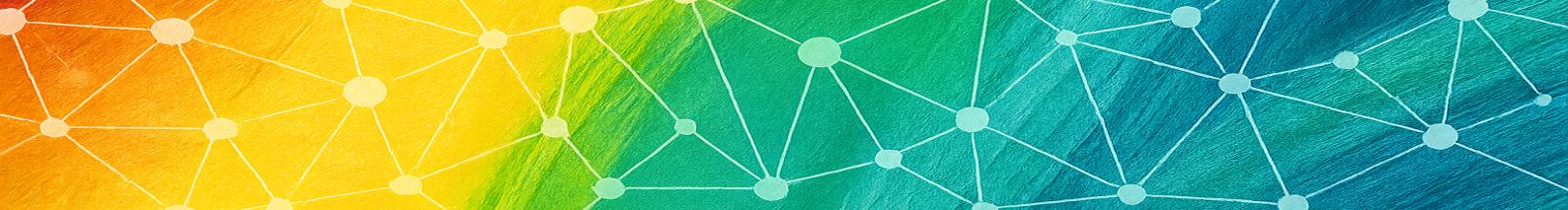
Bottom-right tree presence adds rooted and forward-thinking and grounded depth.

#### Object Analysis - 7428\_tree



#### Emotion Plot





7461 type: person



This figure brings to mind ideas of identity .

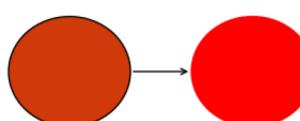
Their appearance feels vital , fitting the context.

Their dominant size enhances the sense of dominant .

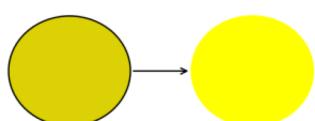
The bottom center placement adds a neutral tone of hidden but central .

#### Object Analysis - 7461\_person

##### Object Analysis - 7461\_person

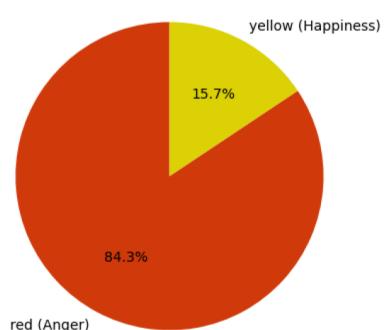


Anger (red)

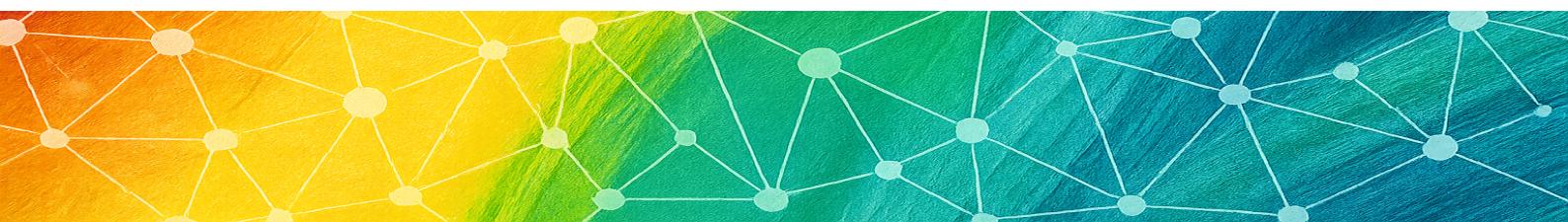


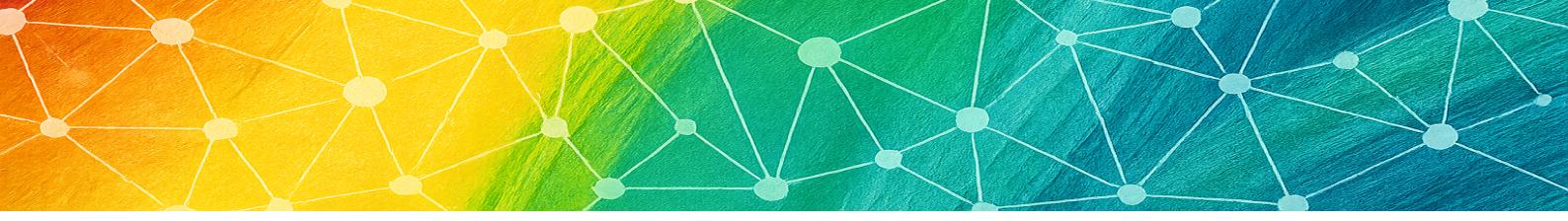
Happiness (yellow)

##### Object Color Proportion

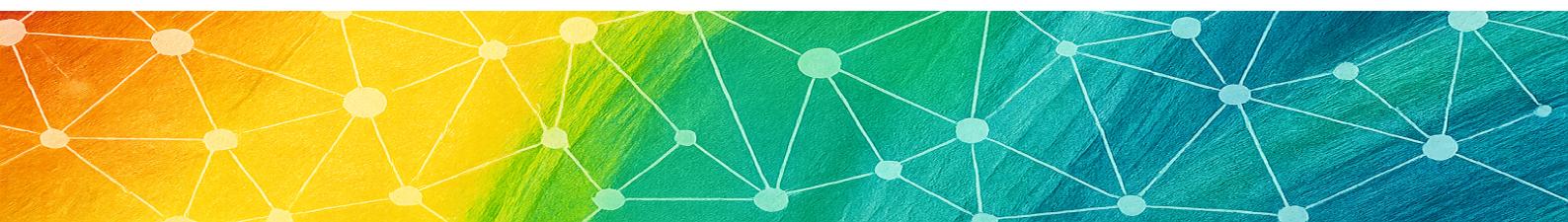


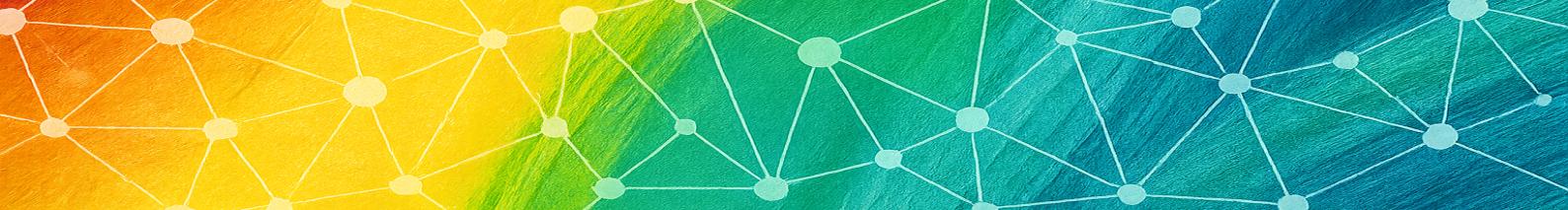
#### Emotion Plot



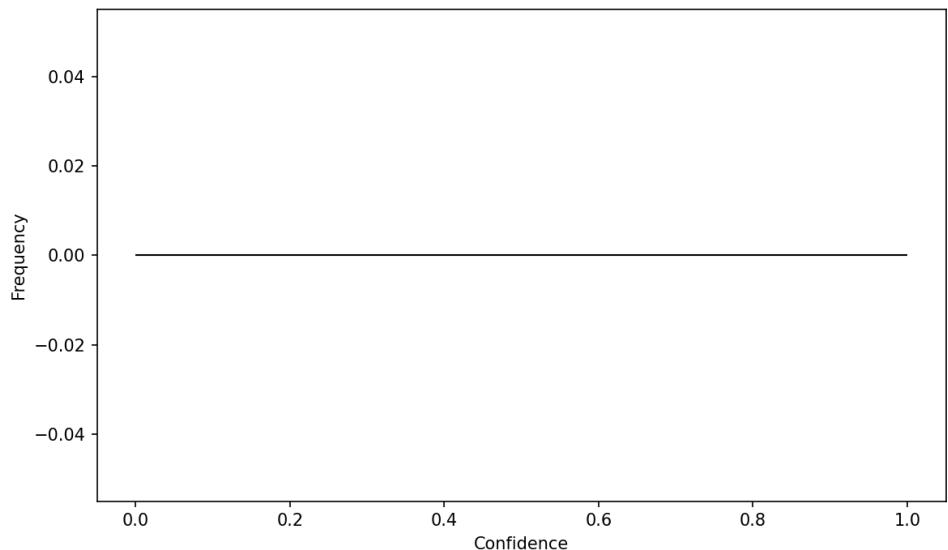


# Facial Expressions Analysis

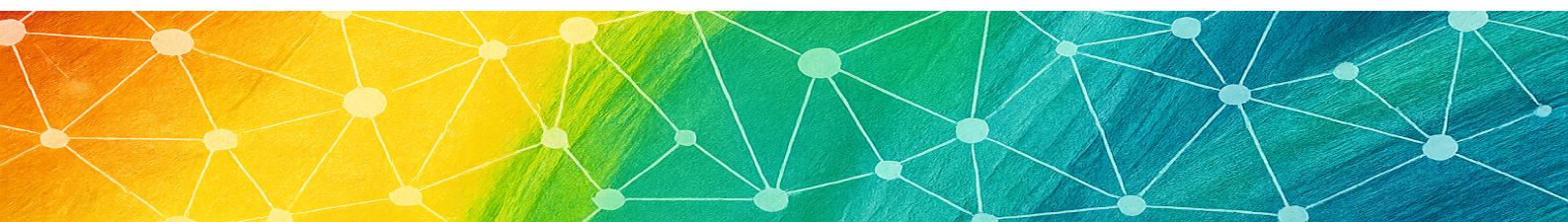
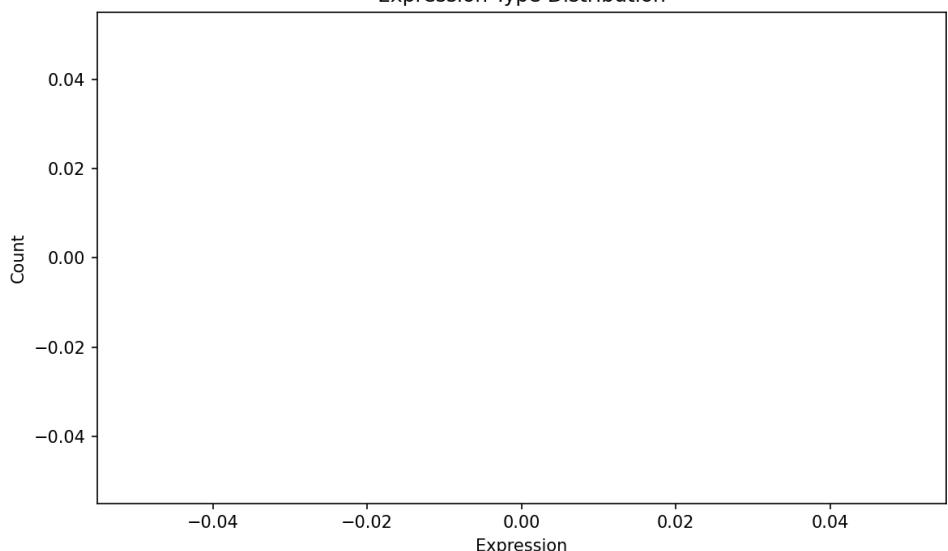


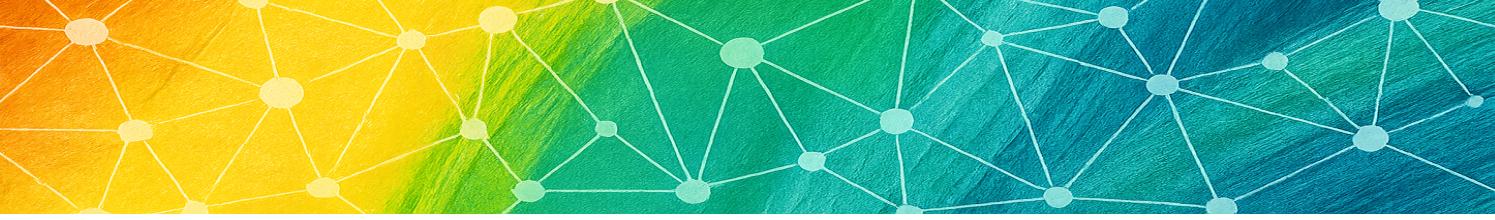


Detection Confidence Distribution



Expression Type Distribution

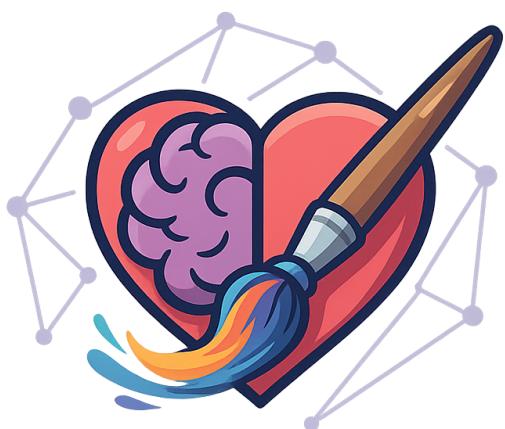




Thank you for exploring the world of emotions with Etma'en – the Emotional Drawing Analyzer.

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

