



Classification of human faces based on their genders using computer vision

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Overview

Image classification is a task in computer vision that involves assigning a label to an image based on its content. For example, an image classification algorithm could be used to identify the objects in an image, such as cars, people, or animals. Computer vision is a field of artificial intelligence that deals with the extraction of meaningful information from digital images or videos. Computer vision techniques are used in a wide variety of applications, such as object detection, face recognition, and self-driving cars.

Goals

1. Feature Extraction from Images.
2. Predicting label of new image based on the trained data.
3. Getting the best machine learning model for the task.

Models

I. Logistic Regression

ACCURACY SCORE : 0.8281

II. SVM

ACCURACY SCORE : 0.8406

III. Random Forest Classifier

ACCURACY SCORE : 0.75625

IV. SGDC

ACCURACY SCORE : 0.8218

