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# Facial Attribute Classification

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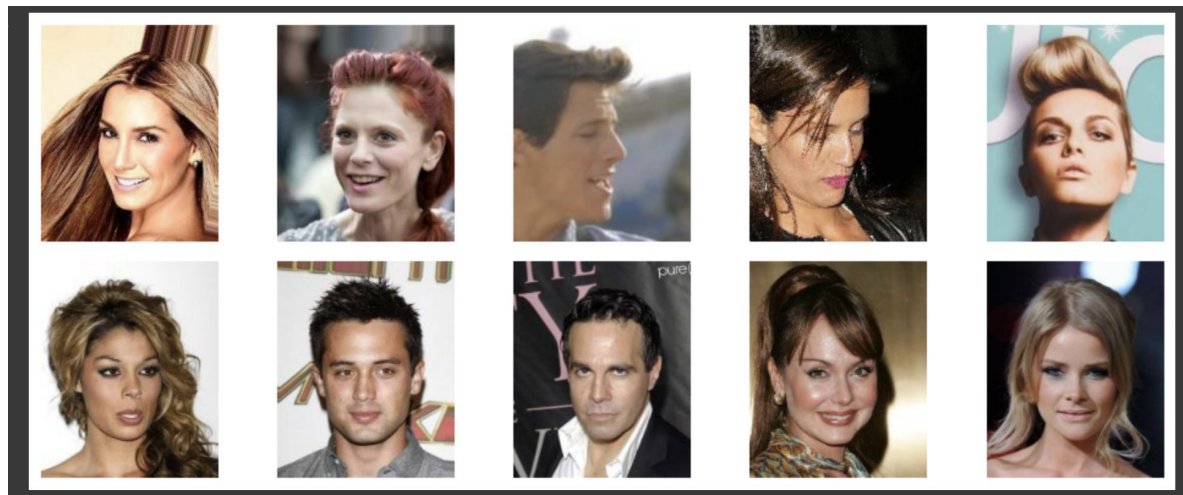
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# Introduction

- Facial Attribute Classification is the task of predicting attributes or characteristics of a person's face, such as gender, age, or facial expression.
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# CelebA

- CelebA is a large-scale face attributes dataset with more than 200K celebrity images, each with 40 attribute annotations, including Attractive, Bald, and Eyeglasses

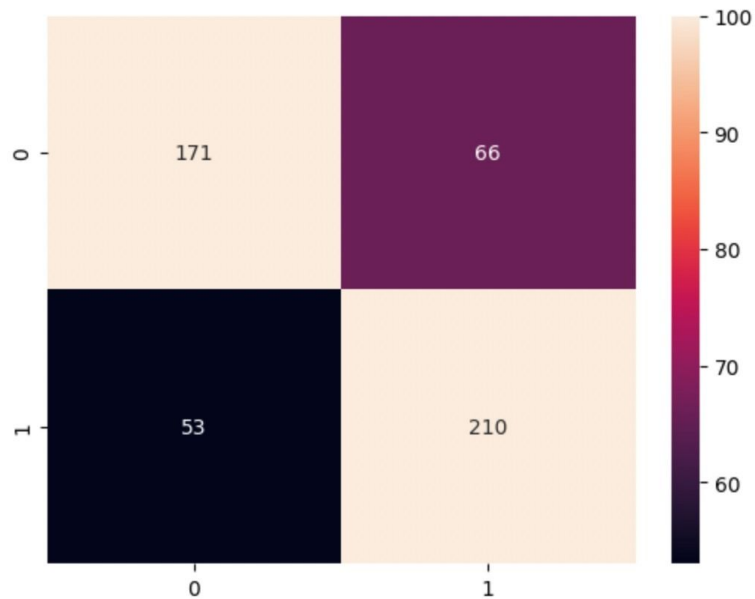


# Method

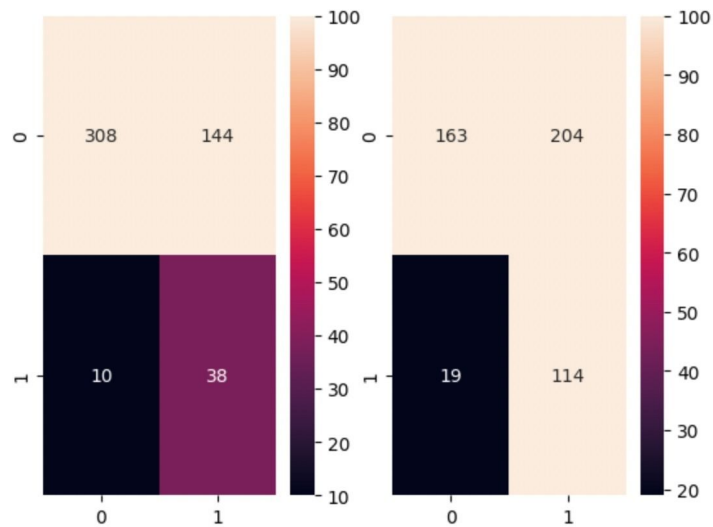
- Split the first 5000 images into training, validation, and test sets.
- Train a CNN model on the images for 1, 2, and 10 attributes.

# Results

```
Test loss: 0.5017677545547485
Test accuracy: 0.7620000243186951
<Axes: >
```



```
16/16 [=====] - 0s 18ms/step - loss: 0.4729 - accuracy: 0.5560
Test loss: 0.4728894829750061
Test accuracy: 0.5559999942779541
<Axes: >
```



# Results

