

EMOJIFY:Create your emoji

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Introduction

We will build a neural network to recognize facial emotions. then we will map these emotions with the corresponding emojis or avatars.

Way of Approach

- Task 1: Importing Packages
- Task 2: Initializing the training model
- Task 3: Building the network architecture
- Task 4: Training the model
- Task 5: Using webcam predicting the emotions of the user
- Task 6: Mapping with emojis

Learnings

- learnt about layers in keras
- creating avatars by reffering websites
- different filters for the model
- about GUI

Tech stack

- LaTeX
- Google Colab
- Libraries: Numpy, keras, cv2

Challenges

- Uploading the test/train data
- Error during training the model

Demo code



[https://colab.research.google.com/drive/
16SlXXN-
WdJW2PwP5ZNvP8cCGHKDUzCvwg?usp
=sharing](https://colab.research.google.com/drive/16SlXXN-WdJW2PwP5ZNvP8cCGHKDUzCvwg?usp=sharing)

Statistics

- Some lines of code for training the data
- Created avatars as required for our model

References

- <https://www.kaggle.com/msambare/fer2013>
- <https://youtu.be/chQNuV9B-Rw>
- <https://www.youtube.com/watch?v=nClG2ailhhk>

THANK YOU