



# EVOLV FIT

Smarter Approach Towards Health

## EVOLV MACHINE LEARNING CHALLENGE

Using an image classification model to find out which cricketer is there in the input image.

### LEVEL 1

Create a classifier, to find out the name of the cricketer from given image.

### LEVEL 2

Write a python script to turn on the webcam, and put a square around the face and show which cricketer does that person look like.

### DATASET DETAILS

Please find the data set here - [DATASET](#)

- Dataset contains around 600 images of 15 top Indian cricket players (who have participated in the 2019 ICC Men's Cricket World Cup). There are 30-50 images per player
- A csv file along with the image name is also provided.

### SUBMISSION DETAILS

- Check-in your code on GitHub and share the link to the repo.
- Add additional details or justification for use cases in README file
- Clearly mention what was your training data size, and testing data size, along with the accuracy achieved.

### STUDY MATERIAL

- <https://machinelearningmastery.com/how-to-develop-a-cnn-from-scratch-for-cifar-10-photo-classification/>
- <https://machinelearningmastery.com/object-recognition-with-deep-learning/>
- <https://machinelearningmastery.com/introduction-to-deep-learning-for-face-recognition/>
- <https://www.kaggle.com/omkarjc27/indian-cricketers-images>

### NOTE

- Please feel free to make assumptions on any open-ended use case.
- The assignment is deliberately made a bit difficult. So please feel free to contact us regarding any questions you might have. Don't hesitate to submit at any level you might have completed.