STAGE
Machine Learning Challenge

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Questions

1. Machine Learning Challenge . ()

Attempts Remaining

0 / 15

Attempts made

View Leaderboard

Note:
- You can do multiple submissions.
- Your highest score will be considered

Machine Learning Challenge

You Are Our Last Hope : A sudden infestation by aliens has created chaos in the population demographics of the Earth. Your team is in charge to form a computer vision solution to categorize the population demographics of our Earth. The solution would be used by the government to develop policies and bring order to our planet. Please go through the problem as below. May the force be with you!

Help

Objective Of The Problem: The objective of the problem is to categorize the images in the test data set into the mentioned categories of the training dataset (please read the description of the training data below). You have to write your predicted categorizations with attributes “id” and “category” on to a CSV file. The attribute “id” should contain the file name of the image for which prediction has been made and “category” should contain the predicted category value (integers 1-6). You have to upload the predicted file to the Skillenza platform.

Evaluation Of The Submission: The submission file will be compared with the correct labels using precision based accuracy. The outcome will be normalized to 100, and your score will reflect on the leaderboard. For example “x” labels can be predicted and you have predicted “y” labels that are correct, then your score would be (y/x)*100.*

Submission Limit:*Each team is allowed 15 submissions. Individual submission limits would be displayed on your screens, but if your team submission limit exceeds 15 i.e your team members have also submitted, then you won’t be allowed to make any further submissions. So, we would recommend that you discuss within the team before you start submitting your files.*

****Code Submission:** Code Submission stage will start tomorrow, so please clearly preserve properly

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Description Of The Training Data: Given set of training images contain 5000 image files distributed over 1-6 categories in the “/training/sample” directory. The “/training/solution.csv” file contains two attributes. This set is to be used as a training and validation set as per the choice of the participant. The first attribute - “id” contains the names of image files and the second attribute - “category” contains the correct category label for the image file name mentioned in the corresponding “id” attribute.

Please find below one example of each category of the image(Category number is mentioned on the top of each image):

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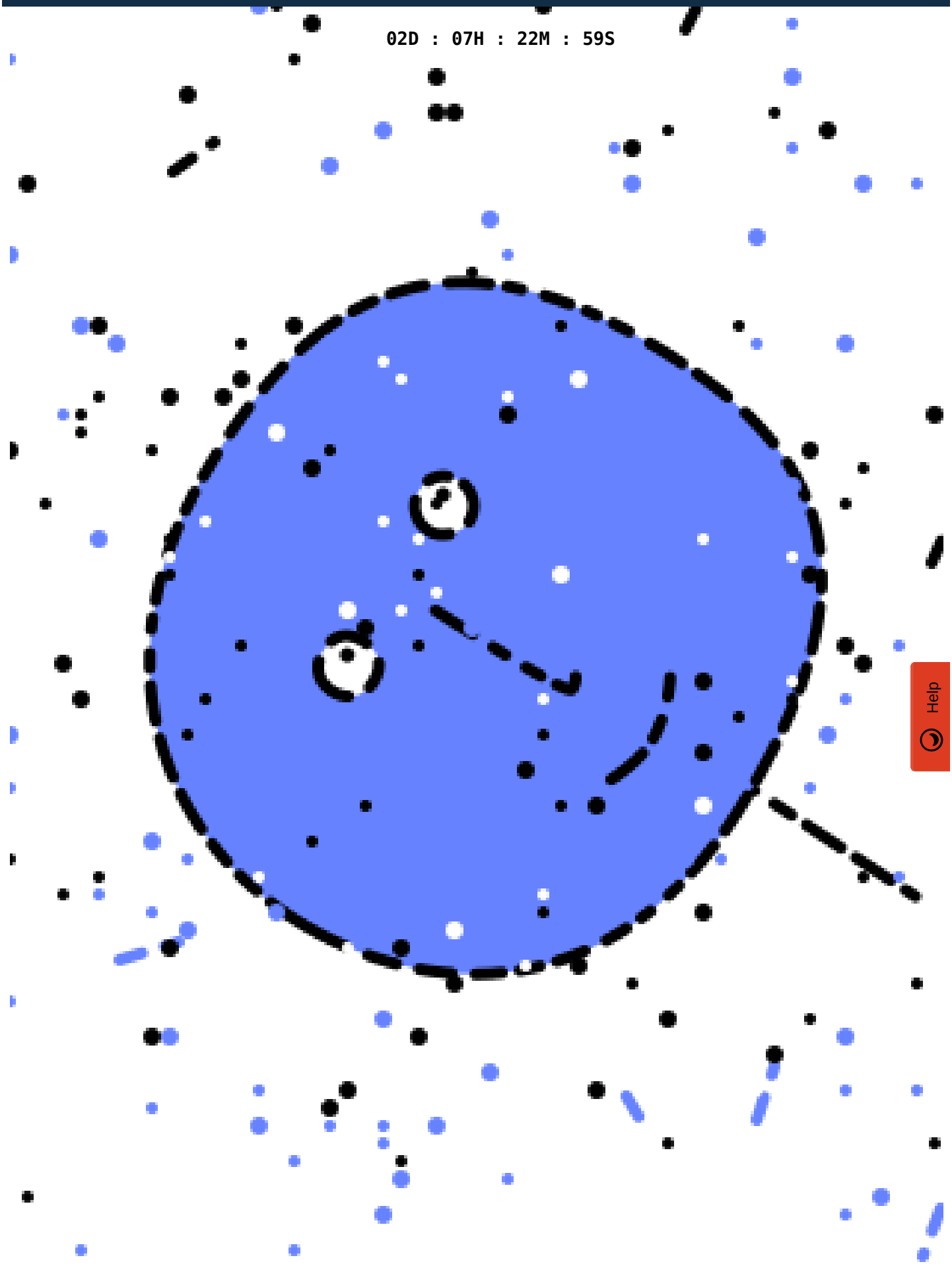

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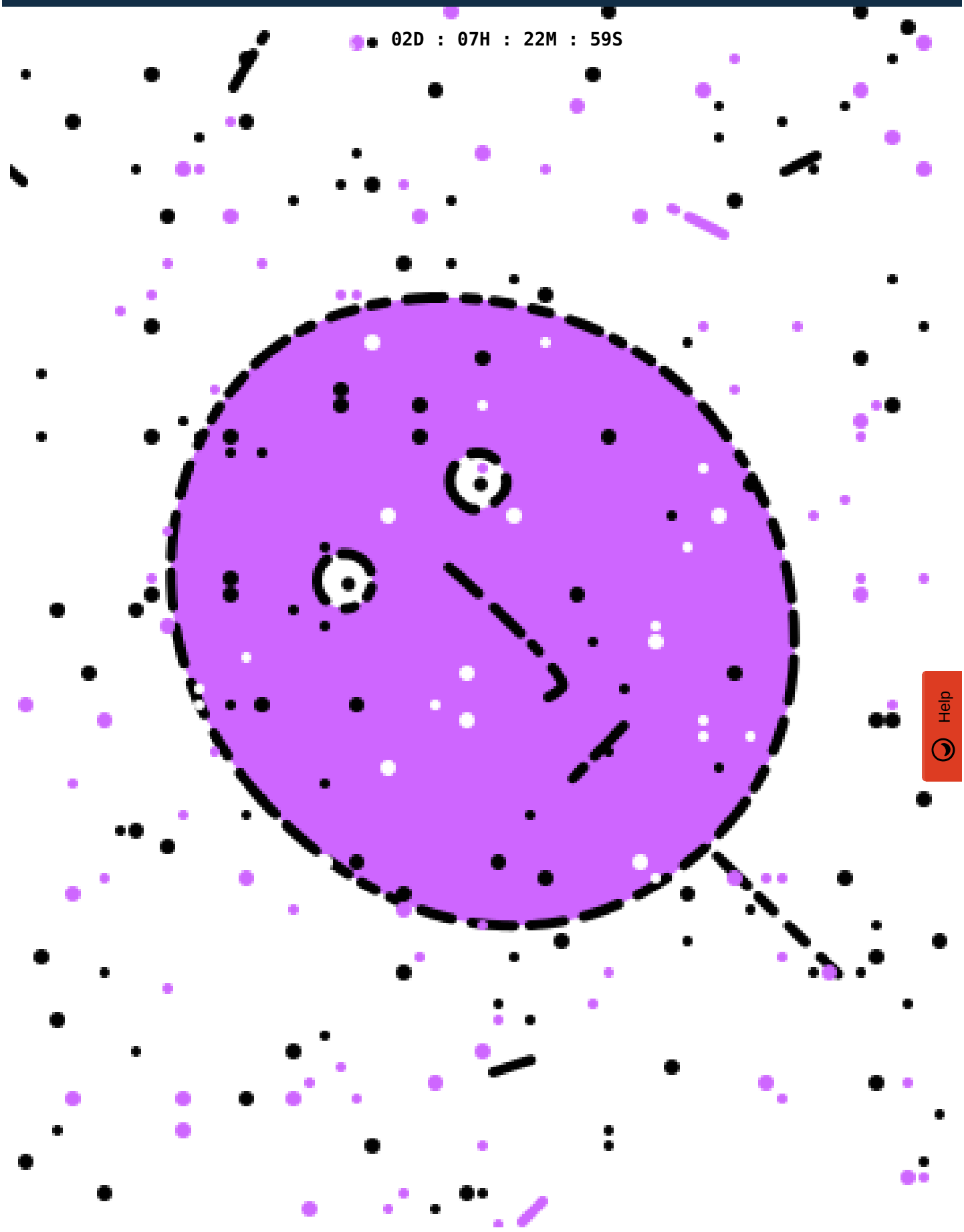

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Category: 3

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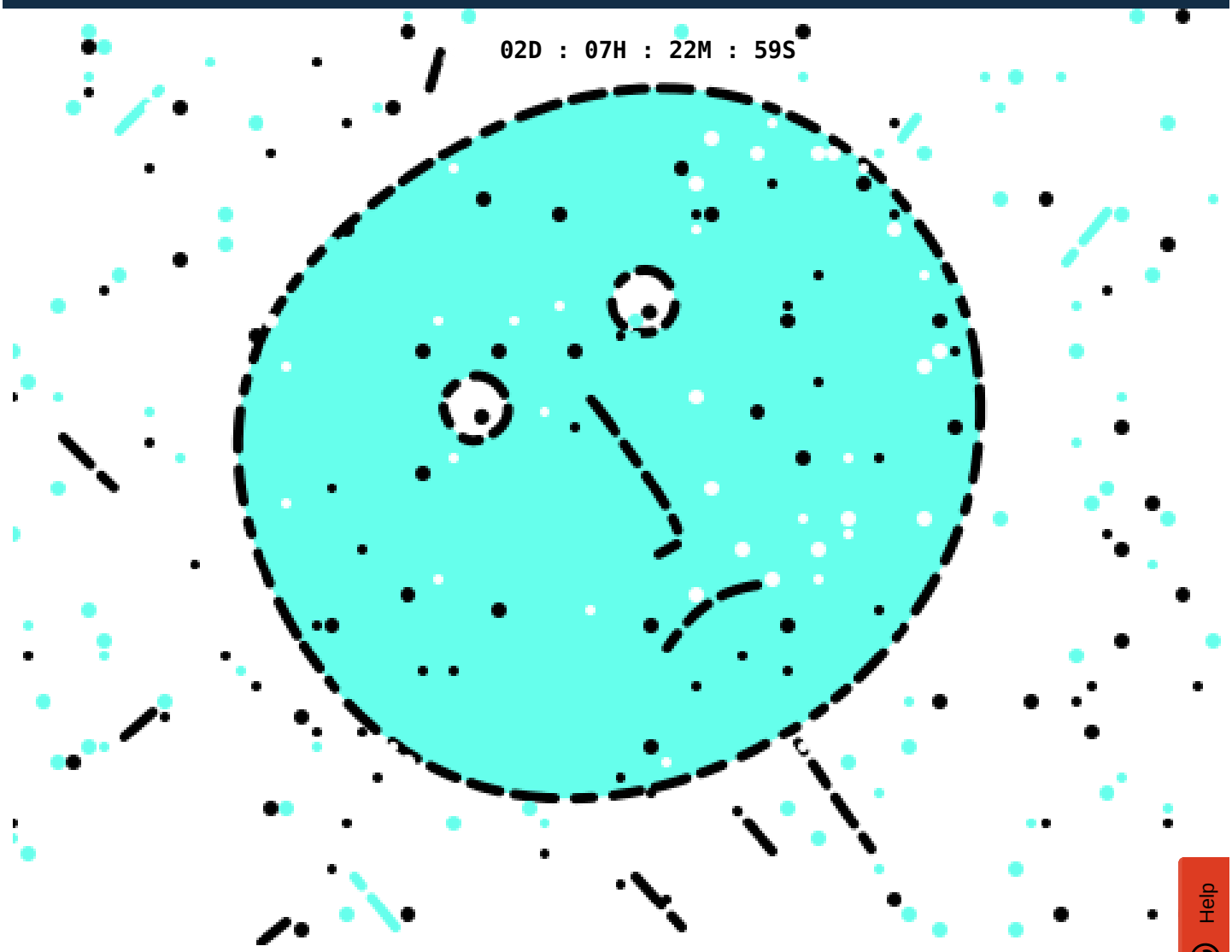

Help

Category: 4

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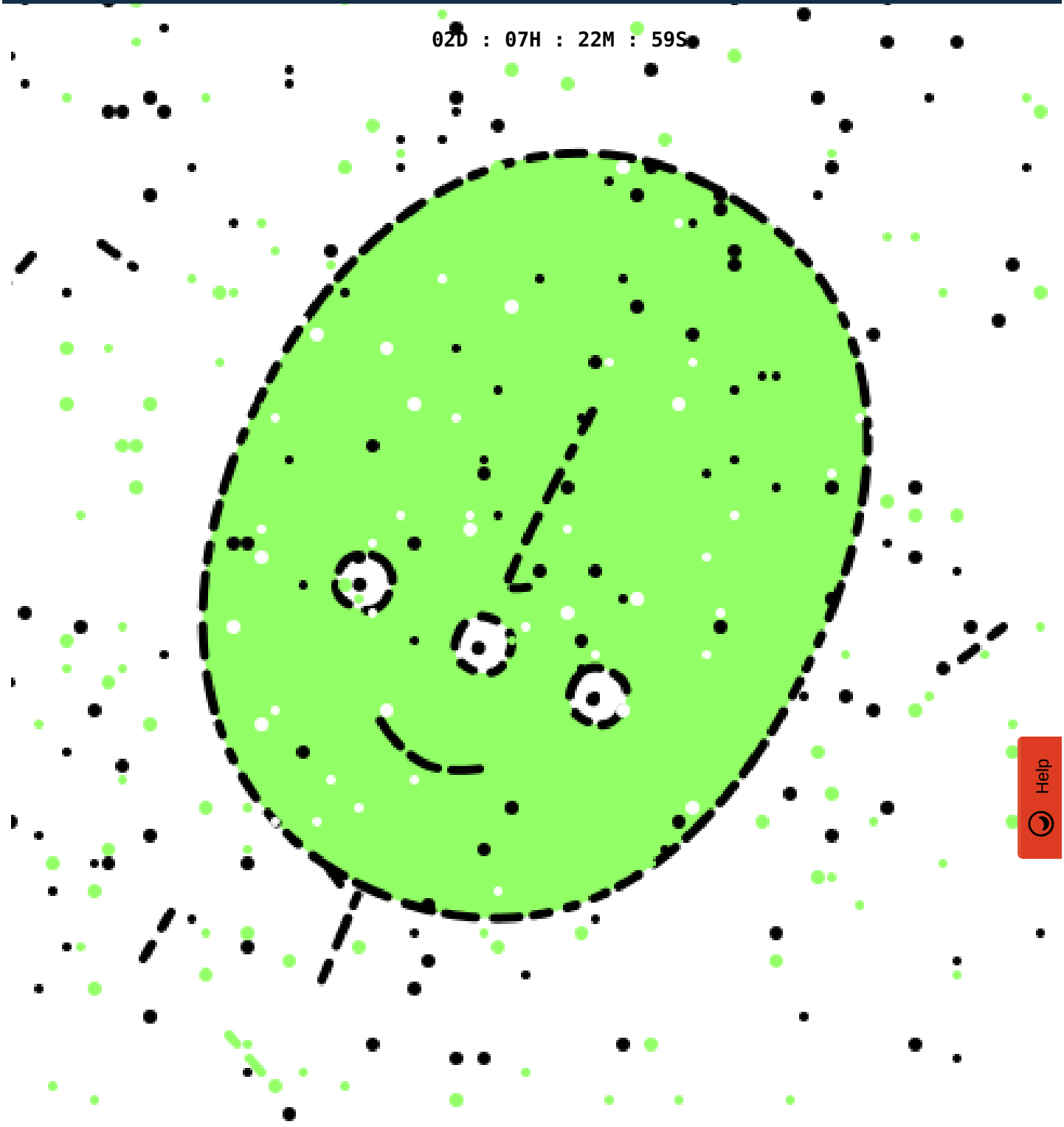

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Category: 5

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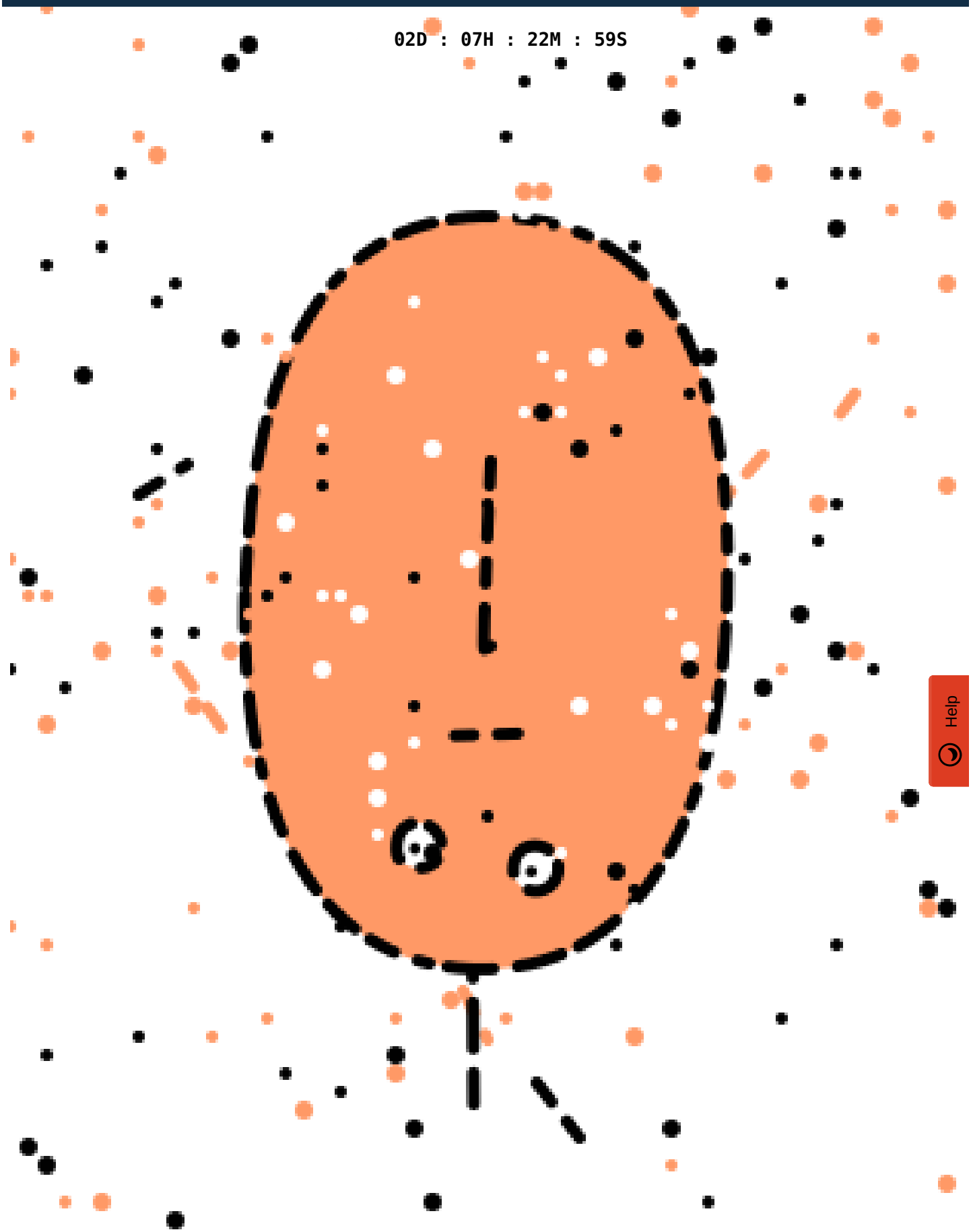
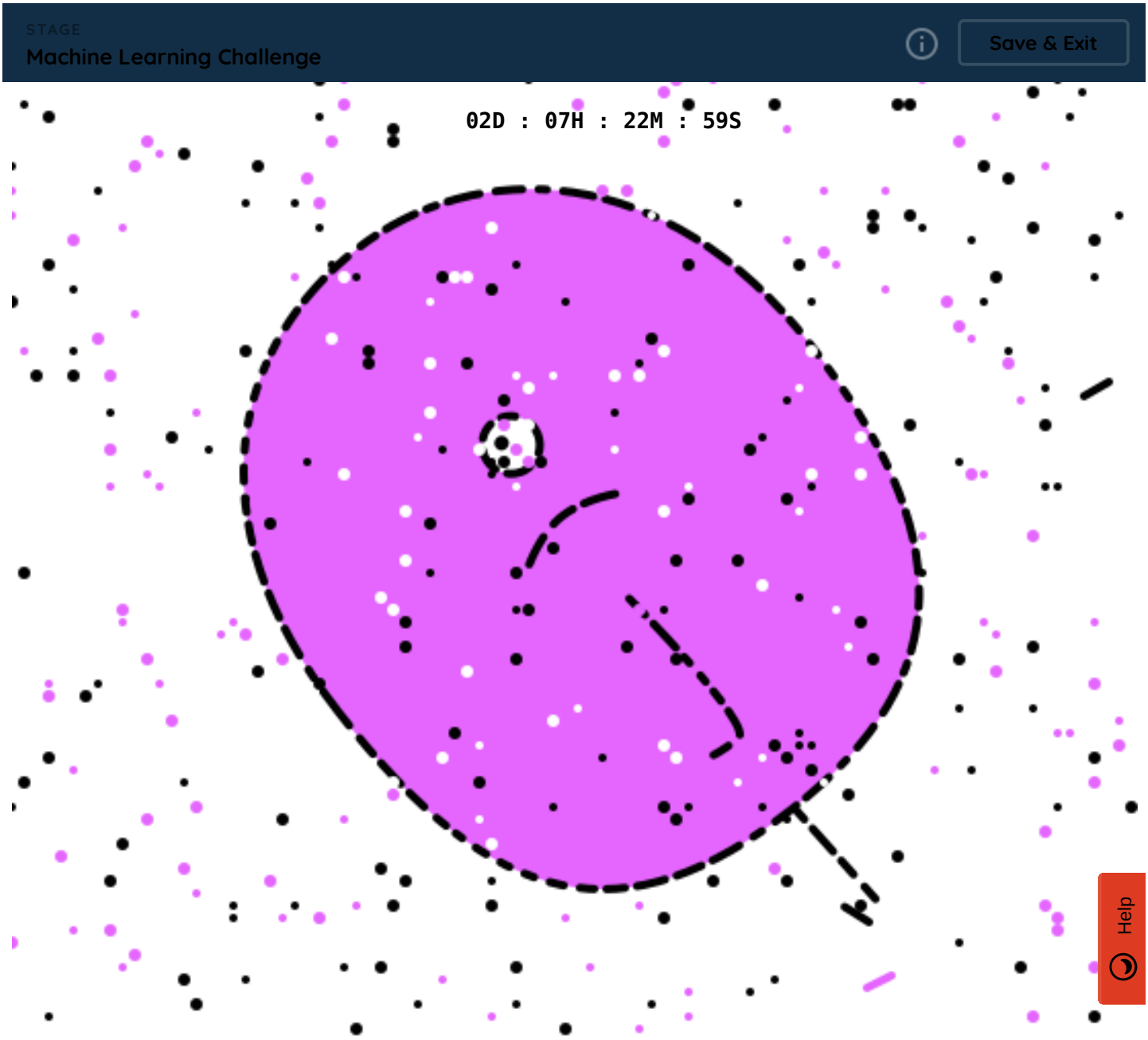


Help

Category: 6



Description Of The Testing Data: The testing data contains 40,000 images distributed over the same categories as the training data. The predicted correct labels of this set of images are to be written to a CSV file in the same format of the correct labels as in the training set. Predictions are to be made for the testing data set only. Please view the sample submission CSV file to understand the format of the submission file to be uploaded.

Description Of the Sample Submission: The sample submission file is an example of how the prediction file should be written.

Checksums: Given below are the sha checksums of the training and test data so that participants can check if the files were downloaded properly.

sha256sum training.5k.zip 5c538c3c7ff9dbc684eb0fb3572e02df57c1653a0f617c90877bac4d0a487024
sha256sum testing.40k.zip a6583ab1456cb84368bfdcc11c6e5f72c3827a8688ee55e299bb6b0da863398e

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Help and Support: Please use the red help button at the right hand side of the screen to raise a query or mail to shourya@skillenza.com

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Evaluation Algorithm

Accuracy

thresholds 5

Training Set (training.5k.zip)	(https://cdn.skillenza.com/files/5ee0a2e1-bf6d-4173-8244-e75fa2d7bbe2/training.5k.zip)
Testing Set (testing.40k.zip)	(https://cdn.skillenza.com/files/7da538a3-4db6-46ea-a4f8-87a21368e5f5/testing.40k.zip)
Sample Submission (sample.csv)	(https://cdn.skillenza.com/files/b8f97b6c-70a5-4f00-b748-9f9765c9b17e/sample.csv)

Upload file

Submit

Help