

PyImageSearch Gurus Course

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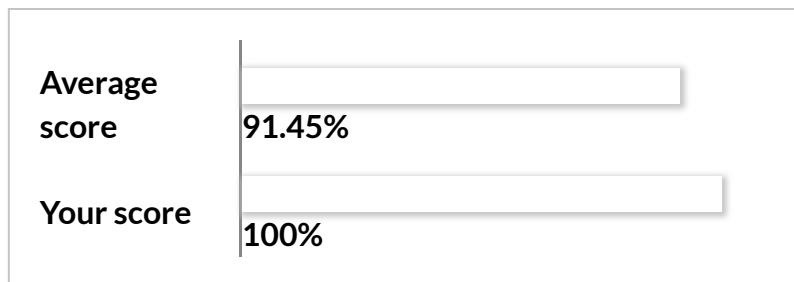
Object Detection Made Easy Quiz

Results

5 of 5 questions answered correctly

Your time: 00:09:12

You have reached 5 of 5 points, (100%)



Click Here to Continue (https://gurus.pyimagesearch.com/topic/object-detection-made-easy/?quiz_type=lesson&quiz_redirect=1&lesson_id=2961&quiz_id=3578)

Restart quiz

View questions

1. Question

In order to create an object detector you need:

- ☐ None of the above.
- ☐ Only the (x, y)-coordinates of the objects in the training images.
- ☐ Only the training data.
- ☒ **Both training data and (x, y)-coordinates of the objects in the training images.**

Correct

2. Question

Under the hood, dlib uses what descriptor when extracting features for classification?

- ☒ **HOG**
- ☐ Haralick
- ☐ LBPs
- ☐ SIFT

Correct

Feedback

3. Question

After dlib extracts features from the training images, what type of machine learning classifier is trained?

- ☐ Logistic Regression
- ☒ **Linear SVM**
- ☐ Random Forest
- ☐ RBF SVM

Correct

4. Question



Visualizing the learned filter is a good method (but not foolproof) to debug our object detector.

- ☒ True
- ☐ False

Correct

5. Question

Download the following dataset of sunflowers from CALTECH-101 (<http://pyimg.co/gwtbn> (<http://pyimg.co/gwtbn>)).

Use our `train_detector.py` to train a classifier to recognize sunflowers.

Then download the following testing image (<http://pyimg.co/oi1vr> (<http://pyimg.co/oi1vr>)) and use the `test_detector.py` script to find the bounding box of the sunflower in the image.

What is approximately the bounding box tuple (i.e. [left, top, right, bottom])?

- ☐ (133, 97, 505, 391)
- ☐ (111, 21, 400, 303)
- ☐ (97, 133, 391, 505)
- ☒ (133, 47, 391, 305)

Correct

Course Progress

Ready to continue the course?

Click the button below to **continue your journey to computer vision guru**.

Feedback



I'm ready, let's go! (</pyimagesearch-gurus-course/>).

Resources & Links

- [PyImageSearch Gurus Community](https://community.pyimagesearch.com/) (<https://community.pyimagesearch.com/>).
- [PyImageSearch Virtual Machine](https://gurus.pyimagesearch.com/pyimagesearch-virtual-machine/) (<https://gurus.pyimagesearch.com/pyimagesearch-virtual-machine/>).
- [Setting up your own Python + OpenCV environment](https://gurus.pyimagesearch.com/setting-up-your-python-opencv-development-environment/) (<https://gurus.pyimagesearch.com/setting-up-your-python-opencv-development-environment/>).
- [Course Syllabus & Content Release Schedule](https://gurus.pyimagesearch.com/course-syllabus-content-release-schedule/) (<https://gurus.pyimagesearch.com/course-syllabus-content-release-schedule/>).
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- [Your Achievements](https://gurus.pyimagesearch.com/achievements/) (<https://gurus.pyimagesearch.com/achievements/>).
- [Official OpenCV documentation](http://docs.opencv.org/index.html) (<http://docs.opencv.org/index.html>).

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