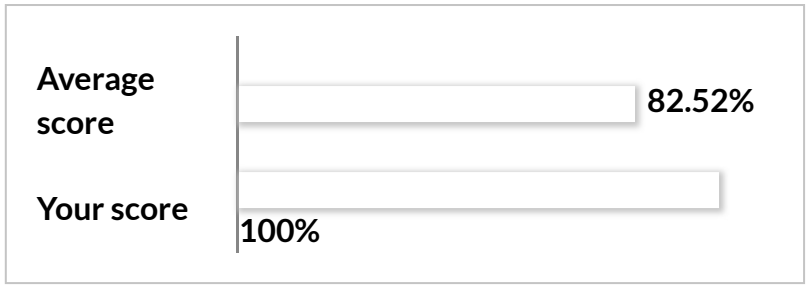
Constructing your HOG Descriptor Quiz

Results

5 of 5 questions answered correctly

Your time: 00:06:08

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



Click Here to Continue (https://gurus.pyimagesearch.com/lessons/constructing-your-hog-descriptor/?quiz_type=lesson&quiz_redirect=1&lesson_id=433&quiz_id=4988)

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1. Question

Your sliding window dimensions should be divisible by your `pixels_per_cell` and `cells_per_block values`:

- (•) **True**
- ( ) False

Correct

2. Question

Use your code from the previous lesson on Preparing your experiment and training data (https://gurus.pyimagesearch.com/lessons/preparing-your-training-data/). Based on your average width, height, and aspect ratio of the motorcycle (http://pyimg.co/6b2wg (http://pyimg.co/6b2wg)) dataset, which of the values below seem like a reasonable window size?

- ( ) 96, 132
- ( ) 64, 96
- (•) **96, 64**
- ( ) 112, 96

Correct

3. Question

Based on the sliding window size, which value should be used for `pixels_per_cell`?

- ( ) (1, 1)
- ( ) (5, 5)
- ( ) (7, 7)
- (•) **(4, 4)**

Correct

Feedback

4. Question

And for `cells_per_block`?

- ◉ **(2, 2)**
- ○ (8, 8)
- ○ (4, 4)

Correct

5. Question

Use your .json configuration file for the motorcycles dataset and update it to sample 75% of your ground-truth images, 1,000 distraction images, and 20 distraction patches per image. Use your `pixels_per_cell` and `cells_per_block` values obtained from the previous lesson. What is the shape of your resulting HDF5 file after feature extraction?

- ○ (11580, 14746)
- ○ (17782, 18224)
- ◉ **(21196, 12421)**
- ○ (10901, 14134)

Correct

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Resources & Links

- PyImageSearch Gurus Community (https://community.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/)
- 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/)
- Official OpenCV documentation (http://docs.opencv.org/index.html)

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