Constructing your HOG Descriptor Quiz

Results

4 of 5 questions answered correctly

Your time: 00:03:26

You have reached 4 of 5 points, (80%)

Restart quiz View questions

1. Question

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

- False
- **True**

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`?

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

Correct

4. Question

Feedback

And for `cells_per_block`?

- (4, 4)
- (8, 8)
- **(2, 2)**

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?

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

Incorrect

Feedback

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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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