≡

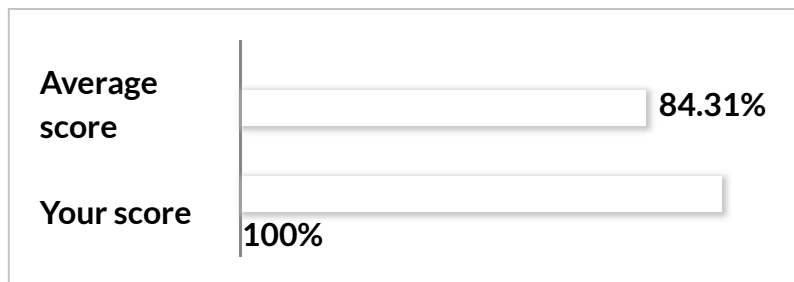PyImageSearch Gurus Course

🏠 (HTTPS://GURUS.PYIMAGESEARCH.COM) ›

Sliding Windows Quiz

Results

5 of 5 questions answered correctly

Your time: 01:14:41

Feedback

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

Average score	84.31%
Your score	100%

Click Here to Continue (https://gurus.pyimagesearch.com/topic/sliding-windows/?quiz_type=lesson&quiz_redirect=1&lesson_id=1825&quiz_id=3968)

Restart quiz | View questions

1. Question

We utilize sliding windows to...

○ Blur an image.

◉ **Detect objects in various locations of an image.**

○ Improve performance of the Histogram of Oriented Gradients descriptor.

○ Obtain a multi-scale representation of an image.

Correct

2. Question

What happens as the scale factor *decreases* and the step size *decreases*?

○ There is no change in the number of windows to be evaluated.

○ The number of windows to evaluate decreases.

◉ **The number of windows to evaluate increases.**

Correct

3. Question

Utilizing a sliding window in conjunction with an image pyramid allows us to:

○ Improve the speed our object detector.

○ Detect objects at various scales of an image.

○ Detect objects at various locations in an image.

◉ **Detect objects at various scales and locations of an image.**

Correct

4. Question

Download the source code of this post and modify the code to use a scale factor of 1.2, a step size of 10 pixels, and a window width and height of 64 pixels. How many windows are evaluated for the `florida_trip.png` image?

○ 23,002

○ 385

○ 616

◉ **5,824**

Correct

5. Question

Again, use the source code associated with this post and change the scale factor to 1.1 and the step size to 5 pixels. How many windows are evaluated?

○ 616

○ 5,824

◉ **39,102**

○ 385

Correct

Course Progress

Ready to continue the course?

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

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

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/)
- Member Perks & Discounts (https://gurus.pyimagesearch.com/pyimagesearch-gurus-discounts-perks/)
- Your Achievements (https://gurus.pyimagesearch.com/achievements/)
- Official OpenCV documentation (http://docs.opencv.org/index.html)

Your Account

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- Support (https://gurus.pyimagesearch.com/contact/)
- Logout (https://gurus.pyimagesearch.com/wp-login.php?action=logout&redirect_to=https%3A%2F%2Fgurus.pyimagesearch.com%2F&_wpnonce=5736b21cae)

Q Search

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