Histograms Quiz

Results

5 of 5 questions answered correctly

Your time: 00:07:34

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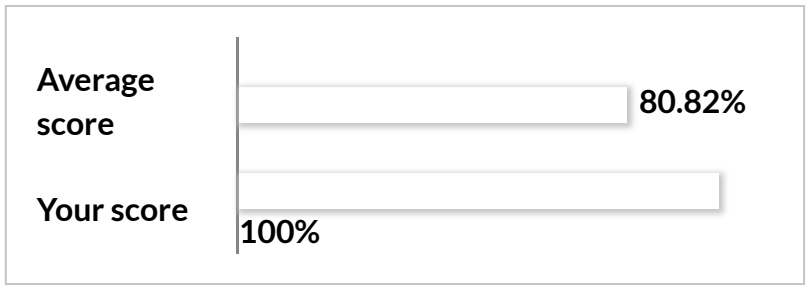
You have reached 5 of 5 points, (100%)



Click Here to Continue (https://gurus.pyimagesearch.com/lessons/histograms/?quiz_type=lesson&quiz_redirect=1&lesson_id=418&quiz_id=1725)

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1. Question

Downloading the following image and use it to answer the questions in this quiz: http://pyimg.co/wm3g8 (http://pyimg.co/wm3g8)

Compute a grayscale histogram for the image. Approximately what bin number has the highest pixel count?

- Bin #150
- Bin #10
- **Bin #46**
- Bin #200

Correct

2. Question

Compute a flattened RGB histogram for our image. Which of the following is true:

- The blue bin count is less than the red bin count for bin #250.
- The blue bin count is greater than the green bin count for bin #200.
- The green bin count is greater than the blue bin count for bin #100.
- **The red bin count is larger than the green bin count for bin #200.**

Correct

3. Question

Compute a 2D color histogram for the Blue and Red channels of our image using *32 x 32* bins. Which bins have the largest pixel count?

- **x=4, y=5**
- x=25, y=25
- x=8, y=5
- x=5, y=10

Correct

4. Question

Perform histogram equalization on our image. After performing histogram equalization, what is the value of the pixel located at *x=146*, *y=272*?

- 145
- 168
- 182
- **210**

Correct

5. Question

Compute a 3D color histogram using 8 bins for the Red channel, 16 bins for the Green channel, and 9 bins for the Blue channel. What is the total # of bins in our histogram?

- 1120
- 792
- 1080
- **1152**

Correct

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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