Deep Learning Lab
23/10/2020
Due date: 25 October 2020, 23:59

In this lab, you will implement the following basic data augmentation techniques for visual recognition:

• Shifting to the right by some amount (Translation)

• Rotation by 90º, 180 º, and 270 º

• Flipping vertically (mirroring)

• Removing: Randomly selecting a rectangle whose area is 10% of the image and filling it with zeros.

Write a program that takes an input image such as lenna and performs these operations. The resulting image after each operation should be saved in the working directory.

No built-in functions can be used to perform any of the operations mentioned above.

Submission Please zip all your files and submit them through Moodle before the deadline. Late submissions will lose 20 points for each day. Labs should be completed individually. In the event that academic misconduct such as plagiarism or cheating is discovered, the student will receive no credit for the work, and the event reported to the Dean of your school. Please consult the Academic Integrity Statement given in the syllabus for more details about academic honesty.