**Hands-on Assignment 4**

**Due Date: See web**

This assignment provides a chance for the students to gain hands-on experiences with several popular pre-trained models. There are 10 test images in the accompanying zip file. Classify them using the following models:

* VGG16
* ResNet50
* Inception V3
* DenseNet121
* EfficientNetB2
* MobileNetV2

You can download pre-trained version of the models from: <https://keras.io/api/applications/>

The link demonstrates how to use the pre-trained models in Python.

Write a simple report to summarize the results. The report should contain predictions made by the models, input images, and probabilities of the prediction (i.e., the image [x] is classified to “car” with 0.8 probability with model [a]). Furthermore, the report is expected to discuss some empirical findings, such as differences in predictions by models and what might have incurred the differences. The report should be organized and must be in docs or pdf format.

Please submit the report on Canvas. There is no need to submit your code. Similarity scores will be computed for this assignment.

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