**MSBA 503 Take-Home Assignment**

This assignment requires more effort than the in-class assignments. You may seek help from your peer(s) for the review purpose. If you do that, mention it in an acknowledgment section. It will not impact your grade. However, you cannot submit others’ work or work jointly with someone. This assignment has two parts. Your final deliverable will be a Word document. See below for more instructions.

Part A

1. Use two or more deep learning algorithms from the computer vision area to extract objects from a series of images and compare their performance in terms of time, objects detected, and probabilities. You can choose 5 or 10 images of your own and record these outputs for each of them. In the end, those outcomes will be presented in a tabular format. 10 points
2. Can you extract anything else from these images with or without using deep learning algorithms? 4 points

Your Word document will have the comparison table and your comments on it. Do not write more than 2-3 sentences. Also, describe (ii) in the Word document with similar sentence limitations regarding what you did and the outcomes.

Part B

Upload the code to GitHub, create a nice Read Me file, and attach the link to the Word document. Make sure the code in GitHub is well-commented. You do not need to upload the images on GitHub. The coding file should have the code and outputs printed. 6 points