**MSDS 6306 401: Introduction to Data Science**

Case Study 2 (Group Project)

Group Name: Dynamic Hunter

Group Members: Yao Yao and Robert Flamenbaum

**Due: No late acceptance**

**6:30pm, April 24 (Monday)**

**Deliverables** by answering the 3 questions below:

**1. You need to create a repository for Case Study 2 GitHub. Submit a word file that has your group name with group members and the link to the file in GitHub via the submission link for Case Study 2 in 2DS.**

a. It also includes the codes of question 1 and the screenshot of the result

**Question 1 (15 points)**

Create the X matrix and print it from SAS, R, and Python.

SAS code **(5 points)**

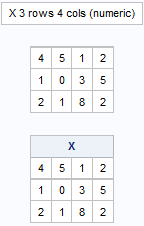
PROC IML;

RESET PRINT;

X={4 5 1 2, 1 0 3 5, 2 1 8 2};

Print X;

Quit;



R code **(5 points)**

> X = matrix(c(4, 5, 1, 2, 1, 0, 3, 5, 2, 1, 8, 2), nrow=3, ncol=4, byrow = TRUE)

> X

[,1] [,2] [,3] [,4]

[1,] 4 5 1 2

[2,] 1 0 3 5

[3,] 2 1 8 2

Python Code **(5 points)**

import numpy as np

x = np.matrix('4 5 1 2; 1 0 3 5; 2 1 8 2')

print(x)

