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Intro to Doing Data Science: Case Study 2

The deliverables for questions 2 and 3 of the case study can be accessed via this github link.

<https://github.com/timbo112711/MSDSCaseStusy2>

The makefile.R will integrate separate code files to build the project.

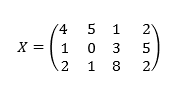
The Final\_Report.Rmd can be knitted to render the report in .html

The Final\_Report.md file is also accessible from the above github repository.

The codes and results for question 1 are displayed below.

**Instructions:**

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



**SAS code (5 points)**

|  |
| --- |
| **Code:**  proc iml;  X = {4 5 1 2, 1 0 3 5, 2 1 8 2};  print X; |
| **Result:** |

**R code (5 points)**

|  |
| --- |
| **Code:**  # The X matrix in R  # Create a variable XX and store the cat of the matrix desired  # and then specify the number of rows and columns desired  # Call the matrix XX  XX = matrix(c(4,1,2,5,0,1,1,3,8,2,5,2), nrow = 3, ncol = 4)  XX |
| **Result:** |

**Python Code (5 points)**

|  |
| --- |
| **Code:**  import numpy as np  a = np.array([(4,5,1,2),(1,0,3,5),(2,1,8,2)])  a |
| **Result** |