

MTH208a: Assignment 6

Write a function called `divideC` using `Rcpp`, compatible with `sourceCpp()`, so that it accepts two matrices `x` and `y` as input and returns a matrix `out` where the i,j element of `out` is:

$$\text{out}_{ij} = \frac{x_{ij}}{y_{ij}}.$$

You may assume that the matrices `x` and `y` are the same dimension.

Save your `Rcpp` compatible C++ code in `assignment6.cpp`, available in the GitHub repository.

Note: I will run `sourceCpp("assignment6.cpp")` on your file to check the compilation and then run `divideC(x = ..., y = ...)` to check the output.