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#
# MATH 4939 Quiz 1 Jan. 19, 2022
#
seed <- 123 # INSTEAD OF '123' USE THE LAST 3 DIGITS OF YOUR STUDENT NUMBER
mat <- matrix(sample(1:20, 10, TRUE), ncol = 5)

#
# Write 2 functions that take 'mat' as an argument
# and returns the mean of each column of 'mat'.
#
# The first function should use 'apply' and
# the second function should use 'sapply' or 'lapply'.
#
# - Use each function on 'mat' created above
# - Upload your script and its output to Piazza using the folder 'Quiz 1'

```

ncol(mat)
nrow(mat)

var = T
==

Use folder 'quiz-1' on Piazza.

```

f2 <- function(mat) {
  sapply(1:ncol(mat),
    function(i) mean(mat[,i]))
}
sapply(as.data.frame(mat), mean, na.rm = T)

```