## Linear Algebra Operations

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2020-04-01

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Matrix Multiplication Multiply Together a 3 by 2 matrix and a 2 by 1 vector
<pre>ar_row_one &lt;- c(-1,+1) ar_row_two &lt;- c(-3,-2) ar_row_three &lt;- c(0.35,0.75) mt_n_by_2 &lt;- rbind(ar_row_one, ar_row_two, ar_row_three)</pre>
ar_row_four <- c(3,4)
<pre># Matrix Multiplication mt_out &lt;- mt_n_by_2 %*% ar_row_four print(mt_n_by_2)</pre>
##
<pre>print(ar_row_four)</pre>
## [1] 3 4
<pre>print(mt_out)</pre>
## ar_row_one 1.00 ## ar_row_two -17.00 ## ar_row_three 4.05