## Linear Algebra Operations

## Fan Wang

2020-04-01

## Contents

	Ainear Algebra .1 Matrix Multiplication
1	Linear Algebra
	Go to the <b>RMD</b> , <b>R</b> , <b>PDF</b> , or <b>HTML</b> version of this file. Go back to fan's REconTools Package, R Code Examples Repository (bookdown site), or Intro Stats with R Repository (bookdown site).
1.1	Matrix Multiplication
Mult	ciply Together a 3 by 2 matrix and a 2 by 1 vector
ar_r ar_r mt_n ar_r # Ma mt_o	<pre>cow_one &lt;- c(-1,+1) cow_two &lt;- c(-3,-2) cow_three &lt;- c(0.35,0.75) a_by_2 &lt;- rbind(ar_row_one, ar_row_two, ar_row_three) cow_four &lt;- c(3,4) ctrix Multiplication cut &lt;- mt_n_by_2 %*% ar_row_four</pre>
prin	t(mt_n_by_2)
## a	[,1] [,2] r_row_one -1.00 1.00 r_row_two -3.00 -2.00 r_row_three 0.35 0.75
prin	t(ar_row_four)
	[1] 3 4 t(mt_out)
## a	[,1] r_row_one