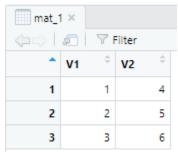
- 1) The outputs of the two lines are different because the second line (one with quotes) R is reading it as text, the quotes create a string. The first line (without quotes) is being read as integers, so it just reprints the numbers in the line.
- 2) C_1 would be a variable because it is storing the values 1,2,3 in c_1.
- 3) C 2 would be a variable because it is storing the values "1,2,3" in c 2.
- 4) C_1 and C_2 have different values because c_1 is being read as integers and c_2 as text
- 5) The dimensions of this matrix are 3 rows and 2 columns



- 6) mat_1[3,1]
- 7) mat_2 = matrix(my_vec, nrow = 2, ncol = 3)
- 8) mat 3 = matrix(my vec, nrow = 3, ncol = 2)
- 9) R used columns to recycle/distribute the values in my_vec.

- 10)
- 11) R handled it well when I started doing the correct way. It kept telling me the matrix only had 6 values until I added the 7 and 8 value to the my_vec in the first line shown about. After creating the matrix was like the previous steps and it recycled the values in the way I asked.
- 12) Line 1: 5.2 Subsetting used: double square brackets [[]]. This function told R to select value of the first element.

Line 2: 5.2 subsetting used: double square brackets [[]]. The "" in the code told R to read 1 as a text and to gives its value as a numeric. The value was stored in 1 so R was able to read it. Line 3: NULL subsetting used: double square brackets [[]]. This produced null because the "" made R produce the equivalent value of 1 not actual or simplified. The equivalent to this would be 1 not one.

Line 4: "five point two" subsetting used: double square brackets [[]]. The "one" in the brackets told it to read it as the text version of the one value so it selects the value stored to "one" Line 5: "five point two" subsetting used: \$ like number 4 it selects the one value as a text. Line 6: "five point two" subsetting used: \$ R used it to select the text one, so it produced the value stored in "one"

- Line 7: Error: unexpected numeric constant in "my_list_1\$1" subsetting used: \$ Line 8: NULL sebsetting used: \$ R like line 3 told it to read 1 as a text not numeric and there was no text as 1 in the code.
- 13) Lines 4, 5, and 6 produced "five point two". They did this because they called on the "one" variable inside the list I created.
- 14) Lines 3 and 8 produced NULL, both lines produced the NULL value because the line it tells R to read the value of 1 as a text because of the "". This is reading the number 1 as a text and there is no text of 1 in the original code, so it threw the NULL.