

1. How many vowels are there in the names of USA States?

177

2. Visualize the vowels distribution.

a e i o u
61 28 44 36 8

```
1 #How many vowels are there in the names of USA States?
2 library(stringr)
3 vowels = c("a", "e", "i", "o", "u")
4 num_vowels = vector(mode = "integer", length = 5)
5 for (j in seq_along(vowels)) {
6   num_vow = str_count(tolower(state.name), vowels[j])
7   num_vowels[j] = sum(num_vow)
8 }
9
10 names(num_vowels) = vowels
11 sum(num_vowels)
12
13
14
15 #Visualize the vowels distribution.
16
17 vowels = c("a", "e", "i", "o", "u")
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25 num_vowels
26
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28 [1] 177
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41 num_vowels
42 a e i o u
43 61 28 44 36 8
44
45 |
```

Global Environment

Values	
j	5L
num_vow	int [1:50] 0 0 0 0 0 0 1 0 0 0 ...
num_vowels	Named int [1:5] 61 28 44 36 8
vowels	chr [1:5] "a" "e" "i" "o" "u"

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Console Terminal

```
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> names(num_vowels) = vowels
> sum(num_vowels)
[1] 177
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> names(num_vowels) = vowels
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a e i o u
61 28 44 36 8
> |
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