

The image shows a screenshot of the RStudio source editor. The editor has a toolbar at the top with icons for file operations, editing, and running code. Below the toolbar, there are two tabs, both labeled 'source'. The active tab contains four lines of R code, numbered 1 through 4 on the left margin. The code calculates the mean and standard deviation of a vector 'a' and then calculates the z-score for each element. The code is as follows:

```
1 a <- c(2, 3, 4, 66, 44, 33, 23)
2 mean <- mean(a)
3 zscore <- (a - mean) / sd(a)
4 print(zscore)_
```

```
> a <-c(2,3,4,66,44,33,23)
> mean <-mean(a)
> Zscore <-(a-mean)/sd(a)
> print(Zscore)
[1] -0.94370143 -0.90267093 -0.86164044
[4]  1.68225038  0.77957944  0.32824398
[7] -0.08206099
> |
```