What is a vector?

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 4 | 34 | 56 | 7 | 10 | 88 | 9 | 90 | 2 |

A sequence of numbers. Integer or double. Same thing as an array. Comes from linear algebra. An ordered set with beginning and end.

In R indexation starts with a 1 and not a 0 like in Python for example.

Vector can only have data elements of the same type. A character vector:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| “Z” | “f” | “7” | “2a” | “Yes” | “A” | “Ab” |

A single number is even stored as a vector:

|  |
| --- |
| 1 |
| 27 |