**5 kyu**

**Maximum Contiguous Sum**

13188% of 39288 of296[thibaultCha](https://www.codewars.com/users/thibaultCha)

JavaScript

* [TRAIN AGAIN](https://www.codewars.com/kata/maximum-contiguous-sum/train/javascript)
* [NEXT KATA](https://www.codewars.com/trainer/javascript)

Details

[Solutions](https://www.codewars.com/kata/maximum-contiguous-sum/solutions/javascript)

[Discourse (9)](https://www.codewars.com/kata/maximum-contiguous-sum/discuss/javascript)

* Add to Collection
* |
* Share this kata:

Given an unsorted array of integer values, find the maximum positive sum of any contiguous range within the array.

An array containing only negative values can return 0. Your solution should be efficient enough to not throw a timeout exception.

**Example:**

maxContiguousSum([3, -4, 8, 7, -10, 19, -3]); // returns 24

maxContiguousSum([-8, -10, -12, -2, -3, 5]); // returns 5

**Visual example:**

[3, -4, 8, 7, -10, 19, -3]

|\_\_\_\_\_\_\_\_\_\_\_\_\_|

||

\/

24

<https://www.codewars.com/kata/maximum-contiguous-sum/javascript>

**function** maxContiguousSum (arr) {

**var** max\_sum = arr[0];

**var** curr\_sum = arr[0];

**for** (let i = 1; i < arr.length; i++)

            {

                curr\_sum = Math.max(0, curr\_sum + arr[i]);

                max\_sum = Math.max(max\_sum, curr\_sum);

            }

**return** max\_sum;

}