

```
// square root of sum of mean minus each element squared from 1 to n / number of elements  
  
// std = sqrt(Math.pow(mean - x, 2)/n)  
  
const arr = [1, 2, 3, 4]  
  
const mean = arr.reduce((sum, curr) => sum + curr, 0)/arr.length  
  
const squaredDiff = arr.map((val) => Math.pow(mean - val, 2))  
  
const variance = squaredDiff.reduce((sum, val) => sum + val, 0)/arr.length  
  
const standardDev = Math.sqrt(variance)  
  
console.log(standardDev)
```