Filtering and Sorting

NYU TANDON
ONLINE

Data Format

```
data = [row1, row2, …, rowN]
```

Data Format

```
data = [row1, row2, …, rowN]
```

```
{
  Name: “John Doe”,
  Age: 25
}
```

Filter

data = [row1, ~~row2~~, …, rowN]

JS API | *array*.filter

Syntax:

```
array.filter(func)
```

Example

```
data.filter(function(client) {
   return client.age < 25
})
```

Sorting

```
data = [row1, row2, …, rowN]
```

order by age

JS API | *array*.sort

Syntax:

```
array.sort(comparator)
```

```
function(a,b) {
  //-1, 0 or 1
}
```

API | *d3*.ascending d3.descending

Syntax:

```
array.sort(d3.ascending)
```

API | d3.ascending d3.descending

Syntax:

```
array.sort(d3.ascending)


 array.sort(function(a,b){
     return d3.descending(a,b)
 })
```

Example

```
data.sort(function(c1, c2) {
  return d3.ascending(
     c1.age,
     c2.age
  )
})
```

Example

```
data.sort(function(c1, c2) {
  return d3.ascending(
     c1.age,
     c2.age
  )
})
```

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`Native JavaScript Functions`

`D3 helpers`