

IIC3585-1

JavaScript Funcional {

<Grupo 3>

}



DEMO

Elegir archivo customers-100.csv

Filas a Columnas

Columnas a Filas

Eliminar Fila

Eliminar Columna

Nueva fila (separada por comas):

Ej: Ema,Stone,estone@gm

Insertar Fila

Nueva columna (separada por comas):

Ej: 999999999,888888888,

Insertar Columna

Intercambiar columna:

Ej: 0

Ej: 1

Intercambiar

Funciones Principales

```
01 swap(data, n, m);  
02 rowstocolumns (data);  
03 columnstorows (data);  
04 rowDelete(data,n);  
05 insertrow(data, n, row);
```

```
swap(data, n, m) {
```

```
01  function swap(data, n, m) {  
02      return data.map((array) =>  
03          [n,m].reduce((a, b) => ([array[a],  
04              array[b]] = [array[b], array[a], array))));  
05      }));
```

```
}
```

```
rowstocolumns (data) {
```

01

```
function rowstocolumns (data) {
```

02

```
  return data[0].map(
```

03

```
    (_, i) => data.map(y => y[i]));
```

04

```
}
```

```
}
```

```
rowstocolumns (data) {
```

y

i 00 01

00

[[0, 'A'],

01

[1, 'B'],

02

[2, 'C']]

y

i 00 01

00

[[0, 'A'],

01

[1, 'B'],

02

[2, 'C']]

00

[[0, 1, 2],

01

['A', 'B', 'C']]

}

```
insertRow(data, n, row) {
```

```
01  function insertRow(data, n, row){  
02      return data.slice(0, n + 1)  
03          .concat([row])  
04          .concat(data.slice(n + 1));  
05  }
```

```
}
```

```
insertRow(data, n, row) {
```

Data =

00

[[0, 'A', 'X'],

01

[1, 'B', 'Y'],

02

[2, 'C', 'Z']]

Row =

00

[4, 'D', 'W']

n =

00

1

}


```
insertRow(data, n, row) {
```

Data =

00

[[0, 'A', 'X'],

01

[1, 'B', 'Y'],

02

[2, 'C', 'Z']]

00

Row =

[4, 'D', 'W']

n =

00

1

[[0, 'A', 'X'],

[1, 'B', 'Y'],

[4, 'D', 'W'],

[2, 'C', 'Z']]

}

```
rowDelete (data, n) {
```

```
01 function rowDelete(data, n) {  
02   return data.filter((_, index) =>  
03     index !== n);  
04 }
```

Funciones Lodash {

```
import _ from "lodash";
```

01

```
_.zip(...arrays);  
_.unzip(array);
```

02

```
_.take(array,  
index);  
_.drop(array,  
index);
```

03

```
_.pullAt(array,  
index);
```

<https://lodash.com/docs/4.17.15>

```
columnstorows (data) {
```

```
01 import zip from 'lodash/zip';  
02 function columnstorows(data) {  
03     return zip(...data);  
04 }
```

```
}
```

```
columnstorows (data) {
```

```
01 import unzip from 'lodash/unzip';  
02 function columnstorows(data) {  
03     return unzip(data);  
04 }
```

```
}
```

```
insertRow(data, n, row) {
```

```
01  import _ from "lodash";  
02  function insertRow(data, n, row) {  
03      return _.concat(  
04          _.take(data, n + 1),  
05          [row],  
06          _.drop(data, n + 1)  
07      ); } }
```

```
rowDelete (data, n) {
```

```
01 import _ from "lodash";
```

```
02 function rowDelete(data, n) {
```

```
03   _.pullAt(data, [n]);
```

```
04   return data;
```

```
05 }
```

```
}
```

Otras Funciones {

01

`.zipWith`

02

`.zipObject`

03

`.chunk`

04

`.dropRight`

05

`.without`

06

`.groupBy`

}

IIC3585-1

Gracias {

<Grupo 3>

}

