

JavaScript II

Data Analytics & Visualization Bootcamp | Jan 16, 2020

Objectives

- ForEach
- JavaScript Objects
- Map
- Arrow Functions
- Object Iterations
- Filter

For vs ForEach

For loops are used to iterate using a counter with customizable start and end points

```
for (var i = 0; i < prices.length; i++) {  
    console.log(prices[i]);  
};
```

ForEach loops are used specifically with arrays and loop over each item

```
prices.forEach(function(price) {  
    console.log(price);  
});
```

[Link](#) for further explanation

Map vs ForEach

ForEach is used to perform a provided function once for each item in an array.

ForEach does not return anything.

Example uses:

- Output data as is
- Save data to a database

```
prices.forEach(function(price) {  
    saveToDatabase(price);  
});
```

Map is used to perform a provided function for each item in an array **and returns a new array.**

Example uses:

- Create a new array of transformed data

```
var total = prices.map(function(price) {  
    return price * tax;  
});
```

[Link](#) for further explanation