A BASIC TUTORIAL FOR PLOTLY.JS

Methods for acquiring the Plotly Library:

git clone https://github.com/plotly/plotly.js.git
npm install plotly.js
<script src="https://cdn.plot.ly/plotly-latest.min.js">

Documentation at:

https://github.com/plotly/plotly.js
https://plot.ly/javascript/

	GitHub repo	Getting started
R / RStudio	ropensci/plotly	plot.ly/r/getting-started
Python / Pandas / IPython notebook	plotly/plotly.py	plot.ly/python/getting-started
MATLAB	plotly/matlab-api	plot.ly/matlab/getting-started
node.js / Tonicdev / Jupyter notebook	plotly/plotly-notebook-js	
node.js cloud client	plotly/plotly-nodejs	plot.ly/nodejs/getting-started
Julia	plotly/Plotly.jl	plot.ly/julia/getting-started

1 -PREPARE HTML:

```
<!DOCTYPE html>
<meta charset='utf-8'>
<head>
  <script src='https://cdn.plot.ly/plotly-latest.min.js'></script>
</head>

<body>
  <div id='tester' style='width:1200px;height:650px;'></div>

  <script type='text/javascript' src='data.js'></script>
  <script type='text/javascript' src='chart.js'></script>
</body>
```

2 -EXAMINE DATA:

```
var data = [
 {
   "letter": "A",
   "frequency": 0.08167
 }
```

See sample code at:
HTTP://BIT.LY/2VKVDFH

3 -PREPARE JS:

```
var tester = document.getElementById('tester');
var container = [{
   'x': [], 'y': [],
   'type': 'bar'
}]
var j = data.length,
   i;
for (i = 0; i < j; i++) { // Preparing data format for Plotly chart
   container[0].x.push(data[i].letter);
   container[0].y.push(data[i].frequency);
}
var layout = {
 xaxis: {title: 'Letters'},
 yaxis: {
   title: 'Frequency',
   tickformat: ',.0%',
   range: [0,.15]
 },
 margin: {t: 20}
};
Plotly.newPlot(tester, container, layout);
```