Documentation
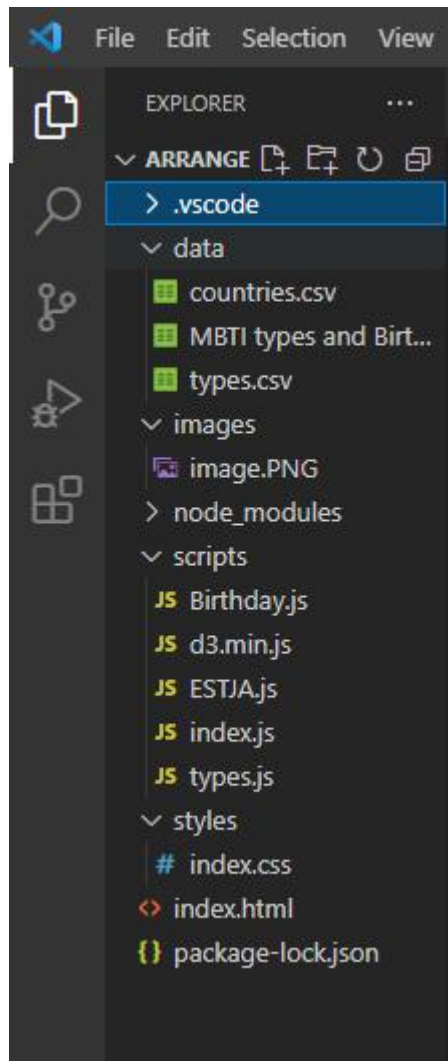
Content

The Stracture of Project:

Index.html

```
<!DOCTYPE html>
<html>
  <head>
    <link href="styles/index.css" rel="stylesheet">
    <script src="scripts/d3.min.js"></script>
    <meta charset="utf-8">
    <title>MBTI</title>
  </head>
  <body>
```

```html
<div id="header" class="">What influences the MBTI personality?
 <img src="images/image.PNG">
</div>
<div id="main" class="">
    <div id="left" class="">

    <script src="scripts/index.js"></script>
        <button id ="mbti" class="but" type="button" onclick="mbti();">
What is MBTI?</button>
        <div id="mbtibut">
        <button id ="INTJ" class="but" type="button"
onclick="INTJ();">INTJ</button>
        <button id ="INTP" class="but" type="button"
onclick="INTP();">INTP</button>
        <button id ="ENTJ" class="but" type="button"
onclick="ENTJ();">ENTJ</button>
        <button id ="ENTP" class="but" type="button"
onclick="ENTP();">ENTP</button>
        <button id ="INFJ" class="but" type="button"
onclick="INFJ();">INFJ</button>
        <button id ="INFP" class="but" type="button"
onclick="INFP();">INFP</button>
        <button id ="ENFJ" class="but" type="button"
onclick="ENFJ();">ENFJ</button>
        <button id ="ENFP" class="but" type="button"
onclick="ENFP();">ENFP</button>
        <button id ="ISTJ" class="but" type="button"
onclick="ISTJ();">ISTJ</button>
        <button id ="ISFJ" class="but" type="button"
onclick="ISFJ();">ISFJ</button>
        <button id ="ESTJ" class="but" type="button"
onclick="ESTJ();">ESTJ</button>
        <button id ="ESFJ" class="but" type="button"
onclick="ESFJ();">ESFJ</button>
        <button id ="ISTP" class="but" type="button"
onclick="ISTP();">ISTP</button>
        <button id ="ISFP" class="but" type="button"
onclick="ISFP();">ISFP</button>
        <button id ="ESTP" class="but" type="button"
onclick="ESTP();">ESTP</button>
        <button id ="ESFP" class="but" type="button"
onclick="ESFP();">ESFP</button>
        </div>
```

header

External script Index.js: Button click function for navigation bar

Left: Navigation bar

```html
        <button id ="estjabut" class="but" type="button"
onclick="estja();"> Global Personality Distribution</button>
        <button id ="birthdaybut" class="but" type="button"
onclick="birthdayclick()"> Birthday month personality
distribution</button>
    </div>
    <div id="right" class="">
        <div id= detail >
           <h1 id="TypeNickname">refer</h1>
    <p align="center" >
        <textarea id="Introduction" rows="50"
cols="150">refer</textarea>
    </p>

  <h4>Definition</h4>
          <textarea id="Definition" rows="3"
cols="150">refer</textarea>
  <h4>Celebrities</h4>
         <textarea id="Celebrities" rows="3"
cols="150">refer</textarea>
    </div>
    <script
src="http://ajax.googleapis.com/ajax/libs/jquery/1.7.1/jquery.min.js"
type="text/javascript"></script>
        <script src="scripts/types.js"></script>
        <div id= "estja">
        <hr />
        <button id= btn1  class= button  type= button
onclick="ESTJA();">ESTJ-A</button>
        <button id="btn7" class="button" type="button"
onclick="ESTJT();">ESTJ-T</button>
        <button id="btn10" class="button" type="button"
onclick="ESTPA();">ESTP-A</button>
        <button id="btn16" class="button" type="button"
onclick="ESTPT();">ESTP-T</button>
        <button id="btn2" class="button" type="button"
onclick="ESFJA();">ESFJ-A</button>
        <button id="btn4" class="button" type="button"
onclick="ESFJT();">ESFJ-T</button>
        <button id="btn20" class="button" type="button"
onclick="ESFPA();">ESFP-A</button>
        <button id="btn18" class="button" type="button"
onclick="ESFPT();">ESFP-T</button>
```
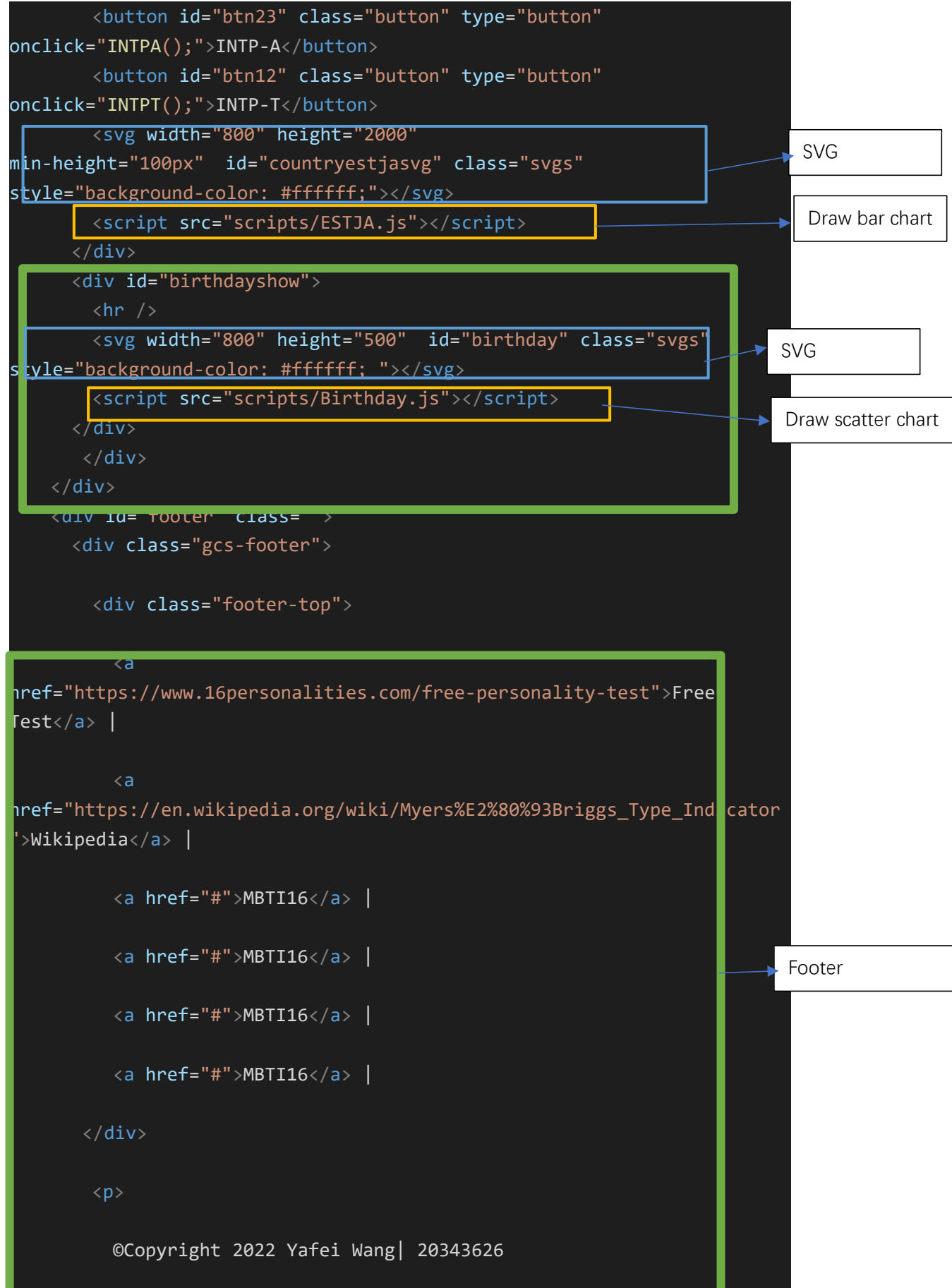
Introduction

jQuery: transfer data from JS to

Right:
1.Introduction
2.Bar Chart
3. Scatter Chart

Bar Chart and Buttons

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```html
        <button id="btn6" class="button" type="button"
onclick="ENFPA();">ENFP-A</button>
        <button id="btn5" class="button" type="button"
onclick="ENFPT();">ENFP-T</button>
        <button id="btn9" class="button" type="button"
onclick="ENFJA();">ENFJ-A</button>
        <button id="btn29" class="button" type="button"
onclick="ENFJT();">ENFJ-T</button>
        <button id="btn15" class="button" type="button"
onclick="ENTJA();">ENTJ-A</button>
        <button id="btn26" class="button" type="button"
onclick="ENTJT();">ENTJ-T</button>
        <button id="btn19" class="button" type="button"
onclick="ENTPA();">ENTP-A</button>
        <button id="btn24" class="button" type="button"
onclick="ENTPT();">ENTP-T</button>
        <button id="btn11" class="button" type="button"
onclick="ISTJA();">ISTJ-A</button>
        <button id="btn17" class="button" type="button"
onclick="ISTJT();">ISTJ-T</button>
        <button id="btn27" class="button" type="button"
onclick="ISTPA();">ISTP-A</button>
        <button id="btn25" class="button" type="button"
onclick="ISTPT();">ISTP-T</button>
        <button id="btn22" class="button" type="button"
onclick="ISFJA();">ISFJ-A</button>
        <button id="btn8" class="button" type="button"
onclick="ISFJT();">ISFJ-T</button>
        <button id="btn31" class="button" type="button"
onclick="ISFPA();">ISFP-A</button>
        <button id="btn14" class="button" type="button"
onclick="ISFPT();">ISFP-T</button>
        <button id="btn32" class="button" type="button"
onclick="INFJA();">INFJ-A</button>
        <button id="btn13" class="button" type="button"
onclick="INFJT();">INFJ-T</button>
        <button id="btn28" class="button" type="button"
onclick="INFPA();">INFP-A</button>
        <button id="btn3" class="button" type="button"
onclick="INFPT();">INFP-T</button>
        <button id="btn30" class="button" type="button"
onclick="INTJA();">INTJ-A</button>
        <button id="btn21" class="button" type="button"
onclick="INTJT();">INTJ-T</button>
```

Bar Chart
and Buttons

```
        <button id="btn23" class="button" type="button"
onclick="INTPA();">INTP-A</button>
        <button id="btn12" class="button" type="button"
onclick="INTPT();">INTP-T</button>
        <svg width="800" height="2000"
min-height="100px"  id="countryestjasvg" class="svgs"
style="background-color: #ffffff;"></svg>
        <script src="scripts/ESTJA.js"></script>
      </div>
      <div id="birthdayshow">
        <hr />
        <svg width="800" height="500"  id="birthday" class="svgs"
style="background-color: #ffffff; "></svg>
        <script src="scripts/Birthday.js"></script>
      </div>
      </div>
    </div>
    <div id="footer" class="">
    <div class="gcs-footer">

      <div class="footer-top">

        <a
href="https://www.16personalities.com/free-personality-test">Free
Test</a> |

        <a
href="https://en.wikipedia.org/wiki/Myers%E2%80%93Briggs_Type_Indicator
">Wikipedia</a> |

        <a href="#">MBTI16</a> |

        <a href="#">MBTI16</a> |

        <a href="#">MBTI16</a> |

        <a href="#">MBTI16</a> |

      </div>

      <p>

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```

SVG

Draw bar chart

SVG

Draw scatter chart

Footer

```
        </p>

      </div>
    </div>
  </body>
</html>
```

Index.js

```js
function showhidden(obj){
    if(obj.style.display == 'block'){
        obj.style.display = 'none';
    }
    else{
        obj.style.display ='block';
    }
 }
 var but = document.getElementById('estjabut');


function estja() {
    var div = document.getElementById('estja');
    showhidden(div)

}
function birthdayclick() {
    var div = document.getElementById('birthdayshow');
    showhidden(div)

}

function mbti() {
    var div = document.getElementById('detail');

    var div2 = document.getElementById('mbtibut');
    showhidden(div)
    showhidden(div2)
}
```

Show and hide div

Show and hide barchart

Show and hide scatter chart

Show and hide Introduction and buttons

JS

ESTJA.js

```javascript
const svg = d3.select('#countryestjasvg');
const width = +svg.attr('width');
const height = +svg.attr('height');
const margin = {top: 20, right: 20, bottom: 20, left: 100};
const innerWidth = width - margin.left - margin.right;
const innerHeight = height - margin.top - margin.bottom;
const xValue = (datum) => {return datum.obj;}
const yValue = (datum) => {return datum.Country};
var x = 1;
var title ='ESTJ-A';


const render = function(data){                    Draw Bar chart

  data = data.sort(function (a,b) {return d3.ascending(a.value,
b.value); });
  // Linear Scale: Data Space -> Screen Space;
  const xScale = d3.scaleLinear()
  .domain([0, d3.max(data, xValue)])
  .range([0, innerWidth]);

  // Introducing y-Scale;
  const yScale = d3.scaleBand()
  .domain(data.map(yValue))
  .range([0, innerHeight])
  .padding(0.1);


  const g = svg.append('g')
  .attr('transform', `translate(${margin.left}, ${margin.top})`);

  // Do the data join (Enter)
  g.selectAll('rect')
  .data(data)
  .enter()
  .append('rect')
  .attr('y', datum => yScale(yValue(datum)))
  .attr('width', (datum) => {return xScale(xValue(datum))})
```

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```
  .attr('height', yScale.bandwidth())
  .attr('fill', 'steelblue')

  // Adding axes
  g.append('g').call(d3.axisLeft(yScale));
  g.append('g').call(d3.axisBottom(xScale))
  .attr('transform', `translate(${0}, ${innerHeight})`);

  g.append('text')
        .text(title)
        .attr('y', 0)
        .attr('x', innerWidth / 2 - 10);
}
shiftdata();

function shiftdata(){
d3.csv('data/countries.csv')
.then(function(data){

    data.forEach( datum => {
      switch(x){
        case 0: datum.obj = datum.obj;
        case 1: datum.obj = datum.ESTJA,title ='ESTJ-A'
        break;
        case 2: datum.obj = datum.ESFJA,title ='ESFJ-A'
        break;
        case 3: datum.obj = datum.INFPT,title ='INFP-T'
        break;
        case 4: datum.obj = datum.ESFJT,title ='ESFJ-T'
        break;
        case 5: datum.obj = datum.ENFPT,title ='ENFP-T'
        break;
        case 6: datum.obj = datum.ENFPA,title ='ENFP-A'
        break;
        case 7: datum.obj = datum.ESTJT,title ='ESTJ-T'
        break;
        case 8: datum.obj = datum.ISFJT,title ='ISFJ-T'
        break;
        case 9: datum.obj = datum.ENFJA,title ='ENFJ-A'
        break;
        case 10: datum .obj = datum.ESTPA,title ='ESTP-A'
        break;
        case 11: datum.obj = datum.ISTJA,title ='ISTJ-A'
        break;
```

Read data

Switch data (there are 32 personalities)

```
        case 12: datum.obj = datum.INTPT,title ='INTP-T'
        break;
        case 13: datum.obj = datum.INFJT,title ='INFJ-T'
        break;
        case 14: datum.obj = datum.ISFPT,title ='ISFP-T'
        break;
        case 15: datum.obj = datum.ENTJA,title ='ENTJ-A'
        break;
        case 16: datum.obj = datum.ESTPT,title ='ESTP-T'
        break;
        case 17: datum.obj = datum.ISTJT,title ='ISTJ-T'
        break;
        case 18: datum.obj = datum.ESFPT,title ='ESFP-T'
        break;
        case 19: datum.obj = datum.ENTPA,title ='ENTP-A'
        break;
        case 20:datum.obj = datum.ESFPA,title ='ESFP-A'
        break;
        case 21: datum.obj = datum.INTJT,title ='INTJ-T'
        break;
        case 22: datum.obj = datum.ISFJA,title ='ISFJ-A'
        break;
        case 23: datum.obj = datum.INTPA,title ='INTP-A'
        break;
        case 24: datum.obj = datum.ENTPT,title ='ENTP-T'
        break;
        case 25: datum.obj = datum.ISTPT,title ='ISTP-T'
        break;
        case 26: datum.obj = datum.ENTJT,title ='ENTJ-T'
        break;
        case 27: datum.obj = datum.ISTPA,title ='ISTP-A'
        break;
        case 28: datum.obj = datum.INFPA,title ='INFP-A'
        break;
        case 29: datum.obj = datum.ENFJT,title ='ENFJ-T'
        break;
        case 30:datum.obj = datum.INTJA,title ='INTJ-A'
        break;
        case 31: datum.obj = datum.ISFPA,title ='ISFP-A'
        break;
        case 32: datum.obj = datum.INFJA,title ='INFJ-A'
        break;
    }
    datum.obj = parseFloat(datum.obj);          String to float conversion
```

```
        } )

    console.log(data)
    console.log(data.map( (datum) => {return datum.Country; } ))
    console.log(data.map( (datum) => {return datum.obj; } ))
    render(data);

});
}
function ESTJA() {
  d3.select('#countryestjasvg')
  .selectAll('*')
  .remove();
  x=1;
  shiftdata();
}

function ESFJA() {
  d3.select('#countryestjasvg')
  .selectAll('*')
  .remove();
  x=2;
  shiftdata();
}

function INFPT() {
  d3.select('#countryestjasvg')
  .selectAll('*')
  .remove();
  x=3;
  shiftdata();
}

function ESFJT() {
  d3.select('#countryestjasvg')
  .selectAll('*')
  .remove();
  x=4;
  shiftdata();
}
function ENFPT() {
  d3.select('#countryestjasvg')
  .selectAll('*')
  .remove();
```

Button click function
First, remove content
Second, create new chart
There are 32 buttons.

```javascript
  x=5;
  shiftdata();
}
function ENFPA() {
  d3.select('#countryestjasvg')
  .selectAll('*')
  .remove();
  x=6;
  shiftdata();
}

function ESTJT() {
  d3.select('#countryestjasvg')
  .selectAll('*')
  .remove();
  x=7;
  shiftdata();
}

function ISFJT() {
  d3.select('#countryestjasvg')
  .selectAll('*')
  .remove();
  x=8;
  shiftdata();
}

function ENFJA() {
  d3.select('#countryestjasvg')
  .selectAll('*')
  .remove();
  x=9;
  shiftdata();
}
function ESTPA() {
  d3.select('#countryestjasvg')
  .selectAll('*')
  .remove();
  x=10;
  shiftdata();
}

function ISTJA() {
  d3.select('#countryestjasvg')
```

```
  .selectAll('*')
  .remove();
  x=11;
  shiftdata();
}

function INTPT() {
  d3.select('#countryestjasvg')
  .selectAll('*')
  .remove();
  x=12;
  shiftdata();
}

function INFJT() {
  d3.select('#countryestjasvg')
  .selectAll('*')
  .remove();
  x=13;
  shiftdata();
}

function ISFPT() {
  d3.select('#countryestjasvg')
  .selectAll('*')
  .remove();
  x=14;
  shiftdata();
}

function ENTJA() {
  d3.select('#countryestjasvg')
  .selectAll('*')
  .remove();
  x=15;
  shiftdata();
}

function ESTPT() {
  d3.select('#countryestjasvg')
  .selectAll('*')
  .remove();
  x=16;
  shiftdata();
```

```
}
function ISTJT(){
  d3.select('#countryestjasvg')
  .selectAll('*')
  .remove();
  x=17;
  shiftdata();
}

function ESFPT(){
  d3.select('#countryestjasvg')
  .selectAll('*')
  .remove();
  x=18;
  shiftdata();
}

function ENTPA(){
  d3.select('#countryestjasvg')
  .selectAll('*')
  .remove();
  x=19;
  shiftdata();
}

function ESFPA(){
  d3.select('#countryestjasvg')
  .selectAll('*')
  .remove();
  x=20;
  shiftdata();
}

function INTJT(){
  d3.select('#countryestjasvg')
  .selectAll('*')
  .remove();
  x=21;
  shiftdata();
}
function ISFJA(){
  d3.select('#countryestjasvg')
  .selectAll('*')
  .remove();
```

```
  x=22;
  shiftdata();
}

function INTPA(){
  d3.select('#countryestjasvg')
  .selectAll('*')
  .remove();
  x=23;
  shiftdata();
}

function ENTPT(){
  d3.select('#countryestjasvg')
  .selectAll('*')
  .remove();
  x=24;
  shiftdata();
}

function ISTPT(){
  d3.select('#countryestjasvg')
  .selectAll('*')
  .remove();
  x=25;
  shiftdata();
}

function ENTJT(){
  d3.select('#countryestjasvg')
  .selectAll('*')
  .remove();
  x=26;
  shiftdata();
}

function ISTPA(){
  d3.select('#countryestjasvg')
  .selectAll('*')
  .remove();
  x=27;
  shiftdata();
}
```

```javascript
function INFPA(){
  d3.select('#countryestjasvg')
  .selectAll('*')
  .remove();
  x=28;
  shiftdata();
}

function ENFJT(){
  d3.select('#countryestjasvg')
  .selectAll('*')
  .remove();
  x=29;
  shiftdata();
}

function INTJA(){
  d3.select('#countryestjasvg')
  .selectAll('*')
  .remove();
  x=30;
  shiftdata();
}

function ISFPA(){
  d3.select('#countryestjasvg')
  .selectAll('*')
  .remove();
  x=31;
  shiftdata();
}

function INFJA(){
  d3.select('#countryestjasvg')
  .selectAll('*')
  .remove();
  x=32;
  shiftdata();
}
```

types.js

```javascript
var a =0;
```

```
Types();
function Types(){
d3.csv('data/types.csv')
    .then(function(data){
        console.log(data);
        $("#TypeNickname").text(data[a].Type+"("+data[a].Nickname+")")
;
        $("#Introduction").text(data[a].Introduction);
        $("#Definition").text(data[a].Definition);
        $("#Celebrities").text(data[a].Celebrities);
    });
    }
    function INTJ(){
        a = 0;
        Types();
    }

    function INTP(){
        a = 1;
        Types();
    }
    function ENTJ(){
        a = 2;
        Types();
    }
    function ENTP(){
        a = 3;
        Types();
    }

    function INFJ(){
        a = 4;
        Types();
    }

    function INFP(){
        a = 5;
        Types();
    }

    function ENFJ(){
        a = 6;
        Types();
    }
```

Read data

Transfer data from JS to HTML, using jQuery

Button click function, there are 16 buttons.

```
function ENFP(){
    a = 7;
    Types();
}

function ISTJ(){
    a = 8;
    Types();
}

function ISFJ(){
    a = 9;
    Types();
}
function ESTJ(){
    a = 10;
    Types();
}

function ESFJ(){
    a = 11;
    Types();
}
function ISTP(){
    a = 12;
    Types();
}

function ISFP(){
    a = 13;
    Types();
}

function ESTP(){
    a = 14;
    Types();
}
function ESFP(){
    a = 15;
    Types();
}
```

Birthday.js

```js
    var newdata =[];
    var Type =[
        'INTJ',
        'INTP',
        'ENTJ',
        'ENTP',
        'INFJ',
        'ENFP',
        'ISTJ',
        'ISFJ',
        'ESTJ',
        'ESFJ',
        'ISTP',
        'ISFP',
        'ESTP',
        'ESFP'
    ]
    var Month =[
        '1/','2/','3/','4/','5/','6/','7/','8/','9/','10','11','12'
    ]
     d3.csv('data/MBTI types and Birthdays (Responses).csv')
     .then(function(data){
       var num=0;
       for(var m=0; m<Month.length;m++){
           var num=0;
       for(var j=0;j<Type.length;j++){
       for(var i=0;i<data.length;i++)
       if(data[i].Birthday.substring(0,2) == Month[m]
&&data[i].MBTIType==Type[j]){
           num++;
       }
       newdata.push({'Type':Type[j],'Mon':Month[m],'Num':num})
   }
   }
       console.log(data);
       console.log(data[0].Birthday.substring(0,2));
       console.log(newdata);
       render1(newdata);
     });
```

Calculate the number of persons per personality for 12 months, and get a new JSON array.

```
const svg1 = d3.select('#birthday');
const width1 = +svg1.attr('width');
const height1 = +svg1.attr('height');
const margin1 = {top: 60, right: 100, bottom: 60, left: 60};
const innerWidth1 = width1 - margin1.left - margin1.right;
const innerHeight1 = height1 - margin1.top - margin1.bottom;
const xValue1 = (newdata) => {return newdata.Num};
const yValue1 = (newdata) => {return newdata.Mon};
const keyValue = (newdata) => (newdata)['Type'];

    const color = {
      'INTJ':"#ff1c12",
      'INTP': "#de5991",
      'ENTJ': "#759AA0",
      'ENTP':"#E69D87",                          Point colours and legends
      'INFJ':"#be3259",
      'ENFP':"#EA7E53",
      'ISTJ': "#EEDD78",
      'ISFJ': "#9359b1",
      'ESTJ': "#47c0d4",
      'ESFJ': "#F49F42",
      'ISTP': "#AA312C",
      'ISFP': "#B35E45",
      'ESTP': "#4B8E6F",
      'ESFP': "#ff8603"

    }
    const render1 = function(data){            Draw Scatter chart

      // Linear Scale: Data Space -> Screen Space;
      const xScale = d3.scaleLinear()
      .domain([0, d3.max(data, xValue1)])
      .range([0, innerWidth1])
      .nice();

      // Introducing y-Scale;
      const yScale = d3.scalePoint() // Instead of scaleBand,  use scale
point;
      .domain(data.map(yValue1))
      .range([0, innerHeight1])
      .padding(0.5);


      const g1 = svg1.append('g')
```

```
.attr('transform', `translate(${margin1.left}, ${margin1.top})`)
.attr('id', 'maingroup');

// Do the data join (Enter)
g1.selectAll('circle')
.data(data)
.enter()
.append('circle')
.attr('cy', (newdata) => { return yScale(yValue1(newdata))})
.attr('cx', 0)
.attr('r', 0)
.attr('fill', 'black')
.transition().duration(3000)
.attr('cx', (newdata) => {return xScale(xValue1(newdata))})
.attr('r', 10)
.attr('fill', (newdata)=> color[keyValue(newdata)])

// Adding axes;
const yAxis = d3.axisLeft(yScale)
.tickSize(-innerWidth1);
const xAxis = d3.axisBottom(xScale)
.tickSize(-innerHeight1);

let yAxisGroup = g1.append('g').call(yAxis);

yAxisGroup.append('text')
.attr('y', innerHeight1 / 2)
.attr('x', -10)
.attr('fill', 'black').text('Month')
.attr('id', 'Month');
yAxisGroup.selectAll('.domain').remove();

let xAxisGroup = g1.append('g').call(xAxis)
.attr('transform', `translate(${0}, ${innerHeight1})`);
xAxisGroup.append('text')
.attr('y', 50)
.attr('x', innerWidth1 / 2)
.attr('fill', 'black').text('Number')
.attr('id', 'Number');
xAxisGroup.selectAll('.domain').remove();

let legend_color = Object.values(color);      Draw legend
    let legend_text = Object.keys(color);
    // draw legend
```

```javascript
            var legend = d3.select('#maingroup').selectAll(".legend")
            .data(legend_text).join('g')
            .attr("class", "legend")
            .attr("transform", function(newdata, i) { return "translate("
+ (innerWidth1 + 10) + "," + (i * 25 + 5) + ")"; });

            // draw legend colored rectangles
            legend.append("rect")
            .data(legend_color)
            .attr("x", 0)
            .attr("y", 0)
            .attr("width", 30)
            .attr("height", 20)
            .style("fill", (newdata) => (newdata));

            // draw legend text
            legend.append("text")
            .attr("x", 40)
            .attr("y", 9)
            .attr("dy", ".5em")
            .attr("text-anchor", "start")
            .text((newdata) => (newdata));

        // Adding a title;
        g1.append('text')
        .text('Birthday month personality distribution')
        .attr('y', -20)
        .attr('x', innerWidth1 / 2 - 100);
      }
```

Index.css

```css
html {
    background-color: #FDF5C3;
 }
 body {
   width: 100%;
   margin: 0 auto;
   background-color: #5F9EA0;

 }
 #header{
   width:100%;
```

```css
  height:10%;
  margin: 0 auto;
  background: #5F9EA0;
  font-size: 62px;
  font-style:italic;

  text-align:center;
}
#main{
  border-top: 1px solid #050505;
  width:100%;
  height:80%;
  background:#00CED1;
}
#left{
  width:15%;
  height:100%;
  float:left;
  background:#5F9EA0;
}
#right{
  width:85%;
  height:100%;
  float:left;
  background:#6eb5b8;
}
#footer{
  clear:both;
  width:100%;
  height:10%;
  background:#66ff66;
}

.gcs-footer{
  background:#222c3a;
  width: 100%;
  height: 165px;
  text-align: center;
  color: white;
  position: absolute;
}

.gcs-footer .footer-top{
  margin-top: 50px;
```

```css
  }

  .gcs-footer a{
    color: #f0f1f1;
    text-decoration: none;
    padding: 0 10px;
    vertical-align:middle;
  }

  .gcs-footer a:hover{
    color: #6eb5b8;
    text-decoration: underline;
  }

  .gcs-footer p{
    height: 15px;
    color: #888888;
    margin-top: 30px;
  }

  .button1 {
    background-color: #326bd4; /* Green */
    color: white;
    padding: 2px 3px;
    text-align: center;
    text-decoration: none;
    display: inline-block;
    font-size: 16px;
    border: 2px solid #050505;
    -webkit-transition-duration: 0.4s; /* Safari */
    transition-duration: 0.4s;
}
.button:hover {
  background-color: #f8faf8; /* Green */
  color: #73bdc0;
}

.button {
  background-color: #73bdc0; /* 绿色背景 */
  border: 1px solid #548b8d; /* 绿色边框 */
  color: white; /* 白色文本 */
  padding: 5px 18px; /* 内边距、 */
  cursor: pointer; /* 指针/手形图标 */
  float: left; /* 并排浮动按钮 */
```

```css
  font-size: 16px;
  -webkit-transition-duration: 0.4s; /* Safari */
  transition-duration: 0.4s;
}
.but{
 width: 100%;
 background-color: #73bdc0; /* 绿色背景 */
  border: 1px solid #548b8d; /* 绿色边框 */
  color: white; /* 白色文本 */
  padding: 5px 18px; /* 内边距离、 */
  font-size: 24px;
  -webkit-transition-duration: 0.4s; /* Safari */
  transition-duration: 0.4s;
}
.but:hover {
  background-color: #f8faf8; /* Green */
  color: #73bdc0;
}
#csvFileInput{
  position: absolute;
  right: 0px;
  opacity: 0;
}
#birthdayshow{
  padding-left: 30px;
}
#estja{
  padding-left: 30px;
}
```