/\* 数据格式演示

var aqiSourceData = {

"北京": {

"2016-01-01": 10,

"2016-01-02": 10,

"2016-01-03": 10,

"2016-01-04": 10

}

};

\*/

// 以下两个函数用于随机模拟生成测试数据

function getDateStr(dat) {

var y = dat.getFullYear();

var m = dat.getMonth() + 1;

m = m < 10 ? '0' + m : m;

var d = dat.getDate();

d = d < 10 ? '0' + d : d;

return y + '-' + m + '-' + d;

}

function randomBuildData(seed) {

var returnData = {};

var dat = new Date("2016-01-01");

var datStr = ''

for (var i = 1; i < 92; i++) {

datStr = getDateStr(dat);

returnData[datStr] = Math.ceil(Math.random() \* seed);

dat.setDate(dat.getDate() + 1);

}

return returnData;

}

var aqiSourceData = {

"北京": randomBuildData(500),

"上海": randomBuildData(300),

"广州": randomBuildData(200),

"深圳": randomBuildData(100),

"成都": randomBuildData(300),

"西安": randomBuildData(500),

"福州": randomBuildData(100),

"厦门": randomBuildData(100),

"沈阳": randomBuildData(500)

};

// console.log(aqiSourceData);

// 用于渲染图表的数据

var chartData = {};

// 记录当前页面的表单选项

var pageState = {

nowSelectCity: -1,

nowGraTime: "day"

}

/\*生成元素\*/

function creatEle(hei, titl) {

// var citySelect=document.getElementById("city-select");

var city\_wrap = document.getElementById("aqi-chart-wrap");

var creatEl = document.createElement("div");

creatEl.style.height = hei;

creatEl.title = titl;

city\_wrap.appendChild(creatEl);

}

/\*清空数据\*/

function clearhtml() {

document.getElementById("aqi-chart-wrap").innerHTML = "";

}

/\*\*

\* 渲染图表

\*/

function renderChart(a) {

// chartData=aqiSourceData["北京"];

// console.log(chartData);

clearhtml()

switch (a) {

case 1:

{

for (var item in chartData) {

var stit = item + "空气质量指数" + chartData[item];

creatEle(chartData[item], stit)

}

break;

}

case 7:

{

var cont1 = 0;

var contNumber1 = 0;

var days = "";

for (var item in chartData) {

var dat = new Date(item);

cont1++;

if (cont1 == 1) {

days = item;

}

contNumber1 += chartData[item];

if (dat.getDay() == 6) {

var stit = days + "至" + item + "空气质量指数" + (contNumber1 / cont1).toFixed(2);

creatEle(contNumber1 / cont1, stit)

contNumber1 = 0;

cont1 = 0;

}

}

break;

}

case 30:

{

var cont2 = 0;

var contNumber2 = 0;

var months = 0;

for (var item in chartData) {

cont2++;

var dat = new Date(item);

if (cont2 == 1) {

months = dat.getMonth();

};

contNumber2 += chartData[item];

if (dat.getMonth() == months + 1) {

var stit = dat.getFullYear() + "年" + dat.getMonth() + "月空气质量指数" + (contNumber2 / 30).toFixed(2);

creatEle(contNumber2 / cont2, stit)

contNumber2 = 0;

cont2 = 0;

} else if (dat.getMonth() == 1 && months == 12) {

var stit = dat.getFullYear() + "年1月空气质量指数" + (contNumber2 / 30).toFixed(2);

creatEle(contNumber2 / cont2, stit)

contNumber2 = 0;

cont2 = 0;

}

}

break;

}

}

}

/\*\*

\* 日、周、月的radio事件点击时的处理函数

\*/

function graTimeChange() {

// 确定是否选项发生了变化

var form\_gra\_time = document.getElementById("form-gra-time");

var inpts = form\_gra\_time.getElementsByTagName("input");

// console.log(inpts.length);

for (var i = 0; i < inpts.length; i++) {

inpts[i].onclick = function() {

for (var j = 0; j < inpts.length; j++) {

inpts[j].checked = false;

}

this.checked = true;

// 设置对应数据

// 调用图表渲染函数

switch (this.value) {

case "day":

renderChart(1)

break;

case "week":

renderChart(7)

break;

case "month":

renderChart(30)

break;

}

}

}

}

/\*\*

\* select发生变化时的处理函数

\*/

function citySelectChange() {

// 确定是否选项发生了变化

var cityselect = document.getElementById("city-select");

// 设置对应数据

// 调用图表渲染函数

// graTimeChange()

}

/\*\*

\* 初始化日、周、月的radio事件，当点击时，调用函数graTimeChange

\*/

function initGraTimeForm() {

}

/\*\*

\* 初始化城市Select下拉选择框中的选项

\*/

function initCitySelector() {

// 读取aqiSourceData中的城市，然后设置id为city-select的下拉列表中的选项

var cityselect = document.getElementById("city-select");

var str = "";

// var z = 0;

for (var item in aqiSourceData) {

str += '<option value=' + item + '>' + item + '</option>'

// z++;

}

cityselect.innerHTML = str;

// 给select设置事件，当选项发生变化时调用函数citySelectChange

var optionVal = "";

cityselect.onchange = function() {

chartData = aqiSourceData[cityselect.value];

}

}

// initCitySelector();

// graTimeChange();

/\*\*

\* 初始化图表需要的数据格式

\*/

function initAqiChartData() {

// 将原始的源数据处理成图表需要的数据格式

// 处理好的数据存到 chartData 中

}

/\*\*

\* 初始化函数

\*/

function init() {

initGraTimeForm()

initCitySelector();

initAqiChartData();

}

init();