<html>

<head>

<meta charset="utf-8">

<title>综艺VS新闻VS电视剧</title>

</head>

<style>

.axis path,

.axis line{

fill: none;

stroke: black;

shape-rendering: crispEdges;

}

.axis text {

font-family: sans-serif;

font-size: 11px;

}

.MyText {

fill: white;

text-anchor: middle;

}

.MyText2 {

font-family:Arial,微软雅黑;

font-size:22px;

font-weight:bold;

text-anchor: middle;

}

.tooltip{

font-family: simsun;

font-size: 14px;

width: 120;

height: auto;

position: absolute;

text-align: center;

border-style: solid;

border-width: 1px;

background-color: white;

border-radius: 5px;

}

.title{

font-family:Arial,微软雅黑;

font-size:24px;

text-anchor:middle;

}

</style>

<body>

<script src="http://d3js.org/d3.v3.min.js" charset="utf-8"></script>

<script>

//画布大小

var width = 1000;

var height = 600;

//在 body 里添加一个 SVG 画布

var svg = d3.select("body").append("svg")

.attr("width",width)

.attr("height",height);

//画布周边的空白

var padding = {left:30, right:30, top:20, bottom:20};

//数组

var dataset = [2.3379,1.0532,0.9895,0.0868,1.6792,1.1772,0.6462,0.2891,1.0718,0.6153,0.3278,0.2045];

var dataset2 = ["综艺","综艺","综艺","综艺","新闻","新闻","新闻","新闻","电视剧","电视剧","电视剧","电视剧"];

var dataset3 = ["中国好声音","快乐大本营","爸爸去哪儿","中国汉字听写大会","新闻联播","焦点访谈","今日说法","新闻直播间","花千骨","神犬小七","克拉之恋","小爸妈"];

//标题

var title="综艺VS新闻VS电视剧";

var head\_height = 30;

//x轴的比例尺

var xScale = d3.scale.ordinal()

.domain(d3.range(dataset.length))

.rangeRoundBands([0, width - padding.left - padding.right]);

//y轴的比例尺

var yScale = d3.scale.linear()

.domain([0,d3.max(dataset)+0.3])

.range([height - padding.top - padding.bottom, 0]);

//定义x轴

var xAxis = d3.svg.axis()

.scale(xScale)

.orient("bottom");

//定义y轴

var yAxis = d3.svg.axis()

.scale(yScale)

.orient("left");

//矩形之间的空白

var rectPadding = 5;

//添加一个提示框

var tooltip = d3.select("body")

.append("div")

.attr("class","tooltip")

.style("opacity",0.0);

/\*var axis = d3.svg.axis().scale(xScale).orient("bottom");

svg.append("g").attr("class","axis")

.attr("transform","translate(10,250)").call(axis);\*/

var rects = svg.selectAll("rect")

.data(dataset)

.enter()

.append("rect")

.attr("transform","translate(" + padding.left + "," + padding.top + ")")

.attr("x", function(d,i){

return xScale(i) + rectPadding/2;

})

.attr("y",function(d){

return 550 ;

})

.attr("height",0)

.attr("fill","yellow")

.on("click",function(d,i){

d3.select(this)

.attr("fill","red");

})

.on("mouseover",function(d,i){

d3.select(this)

.attr("fill","blue");

/\*

鼠标移入时，

（1）通过 selection.html() 来更改提示框的文字

（2）通过更改样式 left 和 top 来设定提示框的位置

（3）设定提示框的透明度为1.0（完全不透明）

\*/

tooltip.html(dataset3[i] + "<br />")

.style("left", (d3.event.pageX) + "px")

.style("top", (d3.event.pageY + 20) + "px")

.style("opacity",1.0);

})

.on("mousemove",function(d){

/\* 鼠标移动时，更改样式 left 和 top 来改变提示框的位置 \*/

tooltip.style("left", (d3.event.pageX) + "px")

.style("top", (d3.event.pageY + 20) + "px");

})

.on("mouseout",function(d,i){

d3.select(this)

.transition()

.duration(500)

.attr("fill","steelblue");

/\* 鼠标移出时，将透明度设定为0.0（完全透明）\*/

tooltip.style("opacity",0.0);

})

.transition()

.duration(3000)

.ease("bounce")

.delay(function(d,i){

return 200\*i;

})

.attr("x", function(d,i){

return xScale(i) + rectPadding/2;

})

.attr("y",function(d){

return yScale(d);

})

.attr("width", xScale.rangeBand() - rectPadding )

.attr("height", function(d){

return height - padding.top - padding.bottom - yScale(d);

})

.attr("fill","steelblue");

svg.selectAll(".MyTest")

.data(dataset)

.enter()

.append("text")

.attr("class","MyText")

.attr("transform","translate(" + padding.left + "," + padding.top + ")")

.attr("x", function(d,i){

return xScale(i) + rectPadding/2;

})

.attr("y",function(d){

return yScale(d)-5;

})

.attr("dx",function(){

return (xScale.rangeBand() - rectPadding)/2;

})

.attr("dy",function(d){

return 20;

})

.text(function(d){

return d +"%";

});

svg.selectAll(".MyText2")

.data(dataset2)

.enter()

.append("text")

.attr("class","MyText2")

.attr("transform","translate(" + padding.left + "," + padding.top + ")")

.attr("x", function(d,i){

return xScale(i) + rectPadding/2;

} )

.attr("y",function(d,i){

return 557;

})

.attr("dx",function(){

return (xScale.rangeBand() - rectPadding)/2;

})

.attr("dy",function(d){

return 20;

})

.attr("fill",function(d,i){

if (dataset2[i] =="综艺") return "red";

if (dataset2[i] =="新闻") return "gray";

if (dataset2[i] =="电视剧") return "green";

else return "steelblue";

})

.text(function(d){

return d;

});

svg.append("g")

.append("text")

.text(title)

.attr("class","title")

.attr("x",width/2)

.attr("y",head\_height);

svg.append("g")

.attr("class","axis")

.attr("transform","translate(" + padding.left + "," + (height - padding.bottom) + ")")

.call(xAxis);

svg.append("g")

.attr("class","axis")

.attr("transform","translate(" + padding.left + "," + padding.top + ")")

.call(yAxis);

</script>

</body>

</html>