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玉溪: [102.52, 24.35],

张家口: [114.87, 40.82],

阳泉: [113.57, 37.85],

莱州: [119.942327, 37.177017],

湖州: [120.1, 30.86],

汕头: [116.69, 23.39],

昆山: [120.95, 31.39],

宁波: [121.56, 29.86],

湛江: [110.359377, 21.270708],

揭阳: [116.35, 23.55],

荣成: [122.41, 37.16],

连云港: [119.16, 34.59],

葫芦岛: [120.836932, 40.711052],

常熟: [120.74, 31.64],

东莞: [113.75, 23.04],

河源: [114.68, 23.73],

淮安: [119.15, 33.5],

泰州: [119.9, 32.49],

南宁: [108.33, 22.84],

营口: [122.18, 40.65],

惠州: [114.4, 23.09],

江阴: [120.26, 31.91],

蓬莱: [120.75, 37.8],

韶关: [113.62, 24.84],

嘉峪关: [98.289152, 39.77313],

广州: [113.23, 23.16],

延安: [109.47, 36.6],

太原: [112.53, 37.87],

清远: [113.01, 23.7],

中山: [113.38, 22.52],

昆明: [102.73, 25.04],

寿光: [118.73, 36.86],

盘锦: [122.070714, 41.119997],

长治: [113.08, 36.18],

深圳: [114.07, 22.62],

珠海: [113.52, 22.3],

宿迁: [118.3, 33.96],

咸阳: [108.72, 34.36],

铜川: [109.11, 35.09],

平度: [119.97, 36.77],

佛山: [113.11, 23.05],

海口: [110.35, 20.02],

江门: [113.06, 22.61],

章丘: [117.53, 36.72],

肇庆: [112.44, 23.05],

大连: [121.62, 38.92],

临汾: [111.5, 36.08],

吴江: [120.63, 31.16],

石嘴山: [106.39, 39.04],

沈阳: [123.38, 41.8],

苏州: [120.62, 31.32],

茂名: [110.88, 21.68],

嘉兴: [120.76, 30.77],

长春: [125.35, 43.88],

胶州: [120.03336, 36.264622],

银川: [106.27, 38.47],

张家港: [120.555821, 31.875428],

三门峡: [111.19, 34.76],

锦州: [121.15, 41.13],

南昌: [115.89, 28.68],

柳州: [109.4, 24.33],

三亚: [109.511909, 18.252847],

自贡: [104.778442, 29.33903],

吉林: [126.57, 43.87],

阳江: [111.95, 21.85],

泸州: [105.39, 28.91],

西宁: [101.74, 36.56],

宜宾: [104.56, 29.77],

呼和浩特: [111.65, 40.82],

成都: [104.06, 30.67],

大同: [113.3, 40.12],

镇江: [119.44, 32.2],

桂林: [110.28, 25.29],

张家界: [110.479191, 29.117096],

宜兴: [119.82, 31.36],

北海: [109.12, 21.49],

西安: [108.95, 34.27],

金坛: [119.56, 31.74],

东营: [118.49, 37.46],

牡丹江: [129.58, 44.6],

遵义: [106.9, 27.7],

绍兴: [120.58, 30.01],

扬州: [119.42, 32.39],

常州: [119.95, 31.79],

潍坊: [119.1, 36.62],

重庆: [106.54, 29.59],

台州: [121.420757, 28.656386],

南京: [118.78, 32.04],

滨州: [118.03, 37.36],

贵阳: [106.71, 26.57],

无锡: [120.29, 31.59],

本溪: [123.73, 41.3],

克拉玛依: [84.77, 45.59],

渭南: [109.5, 34.52],

马鞍山: [118.48, 31.56],

宝鸡: [107.15, 34.38],

焦作: [113.21, 35.24],

句容: [119.16, 31.95],

北京: [116.46, 39.92],

徐州: [117.2, 34.26],

衡水: [115.72, 37.72],

包头: [110, 40.58],

绵阳: [104.73, 31.48],

乌鲁木齐: [87.68, 43.77],

枣庄: [117.57, 34.86],

杭州: [120.19, 30.26],

淄博: [118.05, 36.78],

鞍山: [122.85, 41.12],

溧阳: [119.48, 31.43],

库尔勒: [86.06, 41.68],

安阳: [114.35, 36.1],

开封: [114.35, 34.79],

济南: [117, 36.65],

德阳: [104.37, 31.13],

温州: [120.65, 28.01],

九江: [115.97, 29.71],

邯郸: [114.47, 36.6],

临安: [119.72, 30.23],

兰州: [103.73, 36.03],

沧州: [116.83, 38.33],

临沂: [118.35, 35.05],

南充: [106.110698, 30.837793],

天津: [117.2, 39.13],

富阳: [119.95, 30.07],

泰安: [117.13, 36.18],

诸暨: [120.23, 29.71],

郑州: [113.65, 34.76],

哈尔滨: [126.63, 45.75],

聊城: [115.97, 36.45],

芜湖: [118.38, 31.33],

唐山: [118.02, 39.63],

平顶山: [113.29, 33.75],

邢台: [114.48, 37.05],

德州: [116.29, 37.45],

济宁: [116.59, 35.38],

荆州: [112.239741, 30.335165],

宜昌: [111.3, 30.7],

义乌: [120.06, 29.32],

丽水: [119.92, 28.45],

洛阳: [112.44, 34.7],

秦皇岛: [119.57, 39.95],

株洲: [113.16, 27.83],

石家庄: [114.48, 38.03],

莱芜: [117.67, 36.19],

常德: [111.69, 29.05],

保定: [115.48, 38.85],

湘潭: [112.91, 27.87],

金华: [119.64, 29.12],

岳阳: [113.09, 29.37],

长沙: [113, 28.21],

衢州: [118.88, 28.97],

廊坊: [116.7, 39.53],

菏泽: [115.480656, 35.23375],

合肥: [117.27, 31.86],

武汉: [114.31, 30.52],

大庆: [125.03, 46.58]

};

const convertData = function (data) {

var res = [];

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

var geoCoord = geoCoordMap[data[i].name];

if (geoCoord) {

res.push({

name: data[i].name,

value: geoCoord.concat(data[i].value)

});

}

}

return res;

};

option = {

title: {

text: '全国主要城市空气质量 - 百度地图',

subtext: 'data from PM25.in',

sublink: 'http://www.pm25.in',

left: 'center'

},

tooltip: {

trigger: 'item'

},

bmap: {

center: [104.114129, 37.550339],

zoom: 5,

roam: true,

mapStyle: {

styleJson: [

{

featureType: 'water',

elementType: 'all',

stylers: {

color: '#d1d1d1'

}

},

{

featureType: 'land',

elementType: 'all',

stylers: {

color: '#f3f3f3'

}

},

{

featureType: 'railway',

elementType: 'all',

stylers: {

visibility: 'off'

}

},

{

featureType: 'highway',

elementType: 'all',

stylers: {

color: '#fdfdfd'

}

},

{

featureType: 'highway',

elementType: 'labels',

stylers: {

visibility: 'off'

}

},

{

featureType: 'arterial',

elementType: 'geometry',

stylers: {

color: '#fefefe'

}

},

{

featureType: 'arterial',

elementType: 'geometry.fill',

stylers: {

color: '#fefefe'

}

},

{

featureType: 'poi',

elementType: 'all',

stylers: {

visibility: 'off'

}

},

{

featureType: 'green',

elementType: 'all',

stylers: {

visibility: 'off'

}

},

{

featureType: 'subway',

elementType: 'all',

stylers: {

visibility: 'off'

}

},

{

featureType: 'manmade',

elementType: 'all',

stylers: {

color: '#d1d1d1'

}

},

{

featureType: 'local',

elementType: 'all',

stylers: {

color: '#d1d1d1'

}

},

{

featureType: 'arterial',

elementType: 'labels',

stylers: {

visibility: 'off'

}

},

{

featureType: 'boundary',

elementType: 'all',

stylers: {

color: '#fefefe'

}

},

{

featureType: 'building',

elementType: 'all',

stylers: {

color: '#d1d1d1'

}

},

{

featureType: 'label',

elementType: 'labels.text.fill',

stylers: {

color: '#999999'

}

}

]

}

},

series: [

{

name: 'pm2.5',

type: 'scatter',

coordinateSystem: 'bmap',

data: convertData(data),

symbolSize: function (val) {

return val[2] / 10;

},

encode: {

value: 2

},

label: {

formatter: '{b}',

position: 'right',

show: false

},

emphasis: {

label: {

show: true

}

}

},

{

name: 'Top 5',

type: 'effectScatter',

coordinateSystem: 'bmap',

data: convertData(

data

.sort(function (a, b) {

return b.value - a.value;

})

.slice(0, 6)

),

symbolSize: function (val) {

return val[2] / 10;

},

encode: {

value: 2

},

showEffectOn: 'render',

rippleEffect: {

brushType: 'stroke'

},

label: {

formatter: '{b}',

position: 'right',

show: true

},

itemStyle: {

shadowBlur: 10,

shadowColor: '#333'

},

emphasis: {

scale: true

},

zlevel: 1

}

]

};