???

???

- ?????
- ?????
- ?????
- ????? (????)

?????

???5???????????? ?? ??

???

?????.png

???

- ???

```
[{
  x: 'Oceania',
  low: 1,
  q1: 9,
  median: 16,
  q3: 22,
  high: 24
}, {
  x: 'East Europe',
  low: 1,
  q1: 5,
  median: 8,
  q3: 12,
  high: 16
}, {
  x: 'Australia',
  low: 1,
  q1: 8,
  median: 12,
  q3: 19,
  high: 26
}, {
```

```
  x: 'South America',
  low: 2,
  q1: 8,
  median: 12,
  q3: 21,
  high: 28
}, {
  x: 'North Africa',
  low: 1,
  q1: 8,
  median: 14,
  q3: 18,
  high: 24
}, {
  x: 'North America',
  low: 3,
  q1: 10,
  median: 17,
  q3: 28,
  high: 30
}, {
  x: 'West Europe',
  low: 1,
  q1: 7,
  median: 10,
  q3: 17,
  high: 22
}, {
  x: 'West Africa',
  low: 1,
  q1: 6,
  median: 8,
  q3: 13,
  high: 16
}]
```

- ??

```
40,40,80,60
```

- ?????? Transform

????? map ?

??	???
??	????

????	function callback(obj) {
	obj.range = [obj.low, obj.q1, obj.median, obj.q3, obj.high];
	return obj;}

- ? Geom

K??? schema ?

??	???
??	x*range
??	K??
??	box
?? - ??	#545454

?????

???

Image not found or type unknown

???

- ???

```
[{
  low: 1,
  q1: 9,
  median: 16,
  q3: 22,
  high: 24
}]
```

- ??

```
40, 40, 60
```

- ?????? Transform

????? map ?

??	???
??	????

????	
	``function callback(obj) {
obj.range = [obj.low, obj.q1, obj.median, obj.q3, obj.high];
return obj;
}```

- ? Geom

K??? schema ?

??	???
??	range*1
??	K??
??	box
?? - ??	#545454

?????

???

[?????.png](?????.png)

???

- ???

```
[{
  x: 'Oceania',
  low: 1,
  q1: 9,
  median: 16,
  q3: 22,
  high: 24
}, {
  x: 'East Europe',
  low: 1,
  q1: 5,
  median: 8,
  q3: 12,
  high: 16
}, {
  x: 'Australia',
  low: 1,
  q1: 8,
  median: 12,
  q3: 19,
  high: 26
}, {
  x: 'South America',
  low: 2,
  q1: 8,
```

```
    median: 12,
    q3: 21,
    high: 28
}, {
    x: 'North Africa',
    low: 1,
    q1: 8,
    median: 14,
    q3: 18,
    high: 24
}, {
    x: 'North America',
    low: 3,
    q1: 10,
    median: 17,
    q3: 28,
    high: 30
}, {
    x: 'West Europe',
    low: 1,
    q1: 7,
    median: 10,
    q3: 17,
    high: 22
}, {
    x: 'West Africa',
    low: 1,
    q1: 6,
    median: 8,
    q3: 13,
    high: 16
}]
```

- ??

```
50, 50, 100
```

- ?????? Transform

?????map?

??	???
??	????
????	

```
function callback(obj) {
 obj.range = [obj.low, obj.q1, obj.median, obj.q3,
obj.high];
 return obj;}
```

- ### ??? Scale

range? Y? ?

??	???
??	range
??	linear
??????	??
???	35

- ### ? Geom

K??? schema ?

??	???
??	x*range
??	K??
????	x
??	box
??	60

- ## ?? Legend

??	???
??	??
??	x
??	?
??	??
????	??

- ## ??? Coord

??	???
??	????
?????	0.4

????? (????)

???

???

- ???

```
[{
  x: '□□ A',
  low: 20000,
  q1: 26000,
  median: 27000,
  q3: 32000,
  high: 38000,
  outliers: [50000, 52000]
}, {
  x: '□□ B',
  low: 40000,
  q1: 49000,
  median: 62000,
  q3: 73000,
  high: 88000,
  outliers: [32000, 29000, 106000]
}, {
  x: '□□ C',
  low: 52000,
  q1: 59000,
  median: 65000,
  q3: 74000,
  high: 83000,
  outliers: [91000]
```

```
}, {
  x: '□□ D',
  low: 58000,
  q1: 96000,
  median: 130000,
  q3: 170000,
  high: 200000,
  outliers: [42000, 210000, 215000]
}, {
  x: '□□ E',
  low: 24000,
  q1: 28000,
  median: 32000,
  q3: 38000,
  high: 42000,
  outliers: [48000]
}, {
  x: '□□ F',
  low: 47000,
  q1: 56000,
  median: 69000,
  q3: 85000,
  high: 100000,
  outliers: [110000, 115000, 32000]
}, {
  x: '□□ G',
  low: 64000,
  q1: 74000,
  median: 83000,
  q3: 93000,
  high: 100000,
  outliers: [110000]
}, {
  x: '□□ H',
  low: 67000,
  q1: 72000,
  median: 84000,
  q3: 95000,
  high: 110000,
  outliers: [57000, 54000]
```

```
    }]
```

- ??

```
40, 40, 60, 60
```

- ?????? Transform

????? map ?

??	???
??	????

????	function callback(obj) {
	  obj.range = [obj.low, obj.q1, obj.median, obj.q3, obj.high];
	  return obj;}

- ??? Scale

range? Y? ?

??	???
??	range
??	linear
??????	??
???	0
???	250000

outliers? Y? ?

??	???
??	outliers
??	linear

??????	??
???	0
???	250000

- ## ??? Axis

outliers? Y? ?

??	???
??	??
??	outliers

- ## ? Geom

K??? schema ?

??	???
??	x*range
??	K??
??	box

??? point ?

??	???
??	x*outliers
??	??
??	circle
??	3