





---

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- 

```
[{
  item: '□□□',
  count: 40,
  percent: 0.4
}, {
  item: '□□□',
  count: 21,
  percent: 0.21
}, {
  item: '□□□',
  count: 17,
  percent: 0.17
}, {
  item: '□□□',
  count: 13,
  percent: 0.13
}, {
  item: '□□□',
  count: 9,
  percent: 0.09
}]
```

- 

20, 20, 50, 20

## • ? Geom

???? interval ?

??	???
??	count
??	???
????	item
????	??   stack
?? - ??	#ffffff
?? - ??	2

## • ?? Legend

??	???
??	??
??	count
??	?
??	??
?????	-40

## • ??? Coord

??	???
??	???



```
percent: 0.09  
}]
```

- 

```
20, 20, 50, 20
```

- ? Geom

???? interval ?

??	???
??	count
??	???
????	item
????	??   stack
?? - ??	#ffffff
?? - ??	2

- ?? Legend

??	???
??	??
??	count
??	?
??	??
?????	-40

- ??? Coord

??	???
----	-----

??	???
?????	0.5
??	0.9



```

}, {
  year: '2007',
  population: 33
}, {
  year: '2008',
  population: 46
}, {
  year: '2009',
  population: 38.3
}, {
  year: '2010',
  population: 28
}, {
  year: '2011',
  population: 42.5
}, {
  year: '2012',
  population: 30.3
}]

```

- 

60, 40, 60, 50

- ??? Axis

population? Y? ?

??	???
??	population
??	??

- ? Geom

???? interval ?

??	???
??	year*population
??	???
?? - ??	#ffffff
?? - ??	2

- ??? Coord

??	???
??	????



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```
[{
  year: '2001',
  population: 41.8
}, {
  year: '2002',
  population: 38
}, {
  year: '2003',
  population: 33.7
}, {
  year: '2004',
  population: 30.7
}, {
  year: '2005',
  population: 25.8
}, {
  year: '2006',
  population: 31.7
}, {
  year: '2007',
  population: 33
}, {
  year: '2008',
```

```

    population: 46
  }, {
    year: '2009',
    population: 38.3
  }, {
    year: '2010',
    population: 28
  }, {
    year: '2011',
    population: 42.5
  }, {
    year: '2012',
    population: 30.3
  }
]

```

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0

## • ??? Axis

population? Y? ?

??	???
??	population
??	??

year? X? ?

??	???
??	year
??	??

## • ? Geom

???? interval ?

??	???
??	year*population
??	???
????	year
?? - ??	#ffffff
?? - ??	2

## • ?? Legend

??	???
??	??
??	year
??	?
??	??
?????	-160
?????	-160

## • ??? Coord

??	???
??	????



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```
[{
  year: '2001',
  population: 41.8
}, {
  year: '2002',
  population: 38
}, {
  year: '2003',
  population: 33.7
}, {
  year: '2004',
  population: 30.7
}, {
  year: '2005',
  population: 25.8
}, {
  year: '2006',
  population: 31.7
}, {
  year: '2007',
  population: 33
}, {
  year: '2008',
```

```

    population: 46
  }, {
    year: '2009',
    population: 38.3
  }, {
    year: '2010',
    population: 28
  }, {
    year: '2011',
    population: 42.5
  }, {
    year: '2012',
    population: 30.3
  }
]

```

- 

0

## • ??? Axis

population? Y? ?

??	???
??	population
??	??

year? X? ?

??	???
??	year
??	??

## • ? Geom

???? interval ?

??	???
??	year*population
??	???
????	year
?? - ??	#ffffff
?? - ??	2

## • ?? Legend

??	???
??	??
??	year
??	?
??	??
?????	-160
?????	-160

## • ??? Coord

??	???
??	????
?????	0.25
??	1