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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

??	???
??	???

?????

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??? ???

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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

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

????????

??,
??

??
?

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

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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
  }]
```

- **??**

```
60, 40, 60, 50
```

- **??? Axis**

population? Y? ?

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

- **? Geom**

???? interval ?

??	???

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

- ## ??? Coord

??	???
??	????

????????

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

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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

??	???
??	????

????????

???

???

- ???

```
[{
  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