

??????

???

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

???

• ???

```
[{
  year: '1996',
  north: 322,
  south: 162
}, {
  year: '1997',
  north: 324,
  south: 90
}, {
  year: '1998',
  north: 329,
  south: 50
}, {
  year: '1999',
  north: 342,
  south: 77
}, {
  year: '2000',
  north: 348,
  south: 35
}, {
  year: '2001',
  north: 334,
  south: -45
}]
```

```
}, {  
  year: '2002',  
  north: 325,  
  south: -88  
}, {  
  year: '2003',  
  north: 316,  
  south: -120  
}, {  
  year: '2004',  
  north: 318,  
  south: -156  
}, {  
  year: '2005',  
  north: 330,  
  south: -123  
}, {  
  year: '2006',  
  north: 355,  
  south: -88  
}, {  
  year: '2007',  
  north: 366,  
  south: -66  
}, {  
  year: '2008',  
  north: 337,  
  south: -45  
}, {  
  year: '2009',  
  north: 352,  
  south: -29  
}, {  
  year: '2010',  
  north: 377,  
  south: -45  
}, {  
  year: '2011',  
  north: 383,  
  south: -88
```

```

}, {
  year: '2012',
  north: 344,
  south: -132
}, {
  year: '2013',
  north: 366,
  south: -146
}, {
  year: '2014',
  north: 389,
  south: -169
}, {
  year: '2015',
  north: 334,
  south: -184
}]

```

• ??

40, 20, 80, 60

• ?????? Transform

????? fold ?

??	???
??	????
??????	north,south
????	year
key	type
Value	value

• ? Geom

???? area ?

??	???
??	year*value
??	???
????	type

??? Line ?

??	???
??	year*value
??	??
????	type
??	2

. ?? Legend

??	???
??	??
??	value
??	?
??	??