



??

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



?????.png



- 

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}, {
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}, {
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  b: 60
}]
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- 

50, 50, 80

• ?????? Transform

????? fold ?

??	???
??	????
??????	a,b
????	item
Key	user
Value	score

- Scale

score? Y? ?

??	???
??	score
??	linear
???	0
???	80

- ??? Axis

item? X? ?

??	???
??	item
??	??
?? - ??	transparent

- Geom

???line?

??	???
??	item*score
??	??
????	user
??	2

???point?

??	???
??	item*score
??	??
????	user

??	circle
??	4
?? - ??	#ffffff
?? - ??	1

???? area ?

??	???
??	item*score
??	???
????	user

•  Legend

??	???
??	??
??	user
??	?
??	??

• ??? Coord

??	???
??	????



?????.png



-

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• 

40, 40, 60, 60

•  Scale

x? X? ?

??	???
??	x
??	linear
??????	??

• ??? Axis

y? y? ?

??	???
??	y
??	??

- `Geom`

???line?

??	???
??	x*y
??	??
??	#ff8800
??	2

- `??? Coord`

??	???
??	????