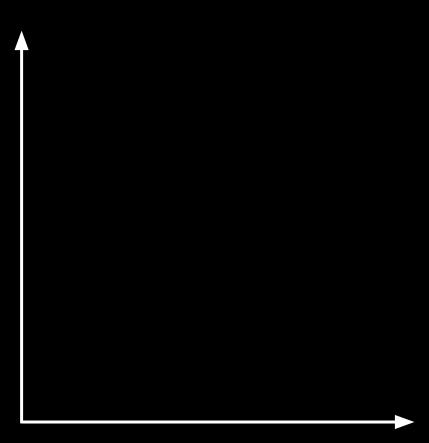
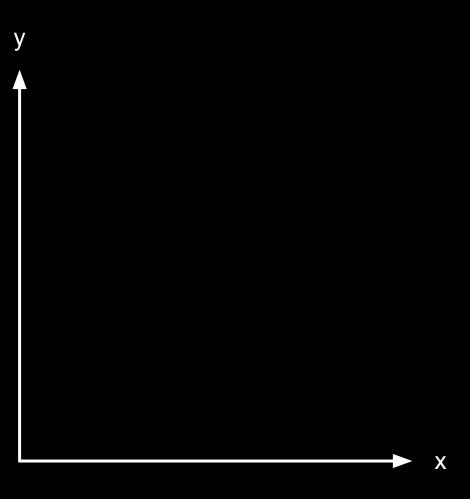
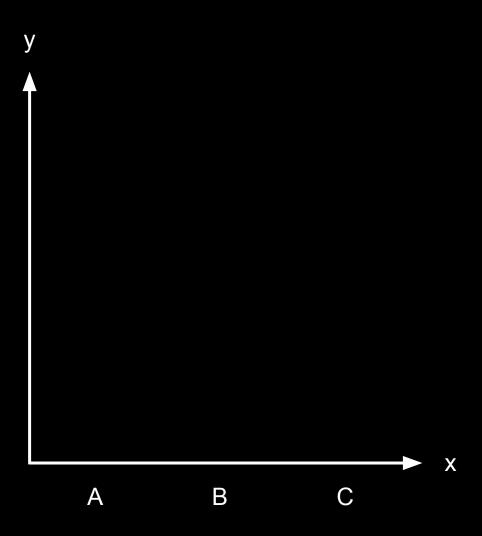
VISUALIZE DATA

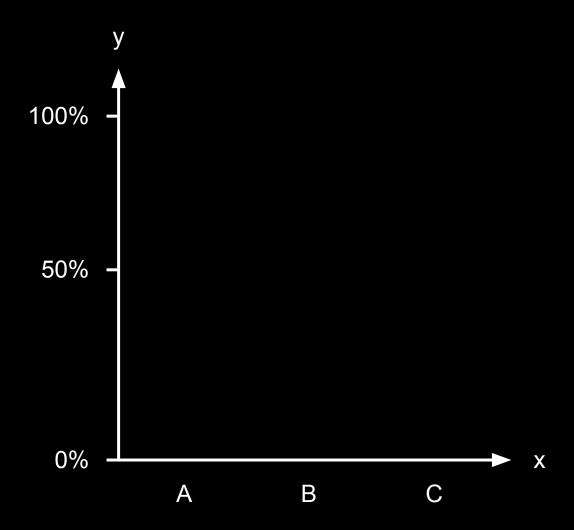
data

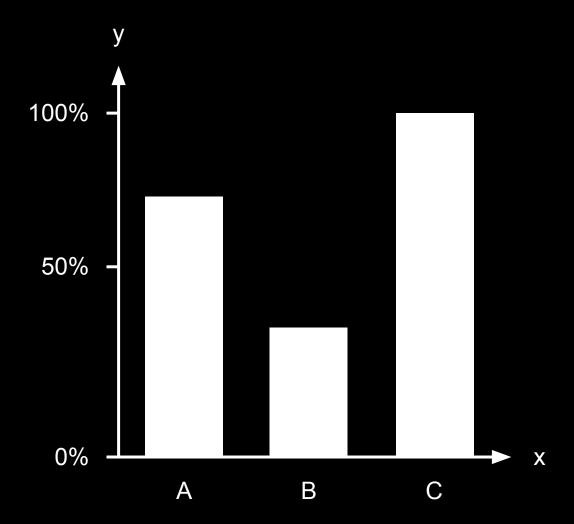
category	pct
А	75
В	33
С	100



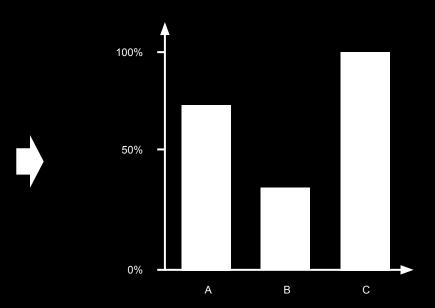








category	pct
Α	75
В	33
С	100

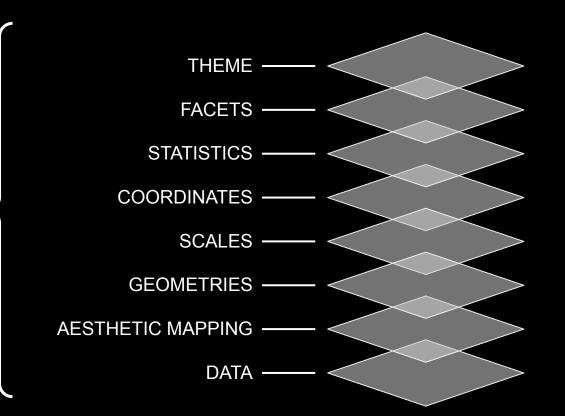


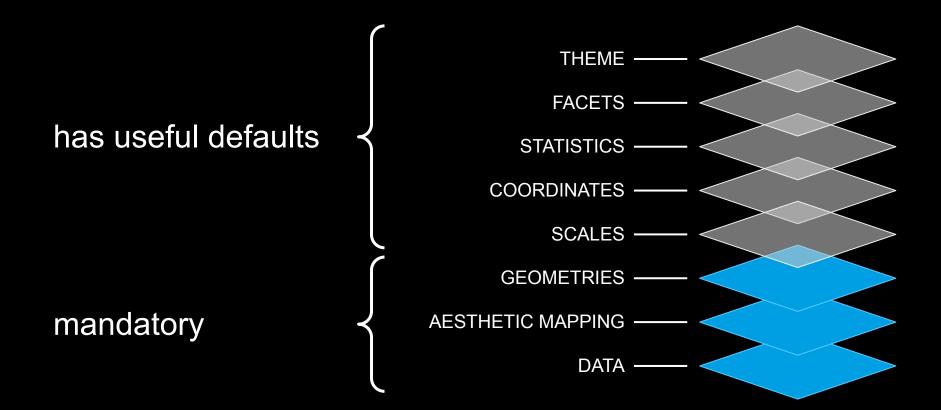
{{ ggplot2 }}

why visualize?

```
{{ ggplot2 }}
grammar of graphics
```

any
data
visualization



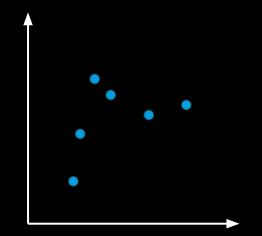


ggplot()

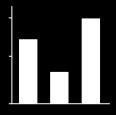
```
ggplot() +
aes()
```

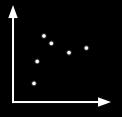
```
ggplot() +
  aes() +
  geom_point()
```

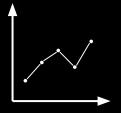
```
ggplot() +
  aes() +
  geom_point()
```

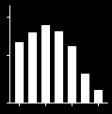


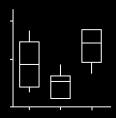
basic plots



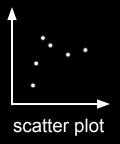


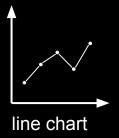




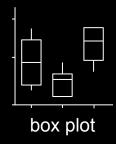








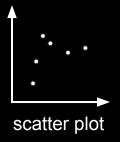




amounts proportions distributions (discrete)



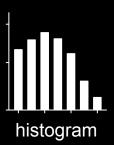
associations patterns



trends developments



distributions (continuous)



compare distributions (continuous)

