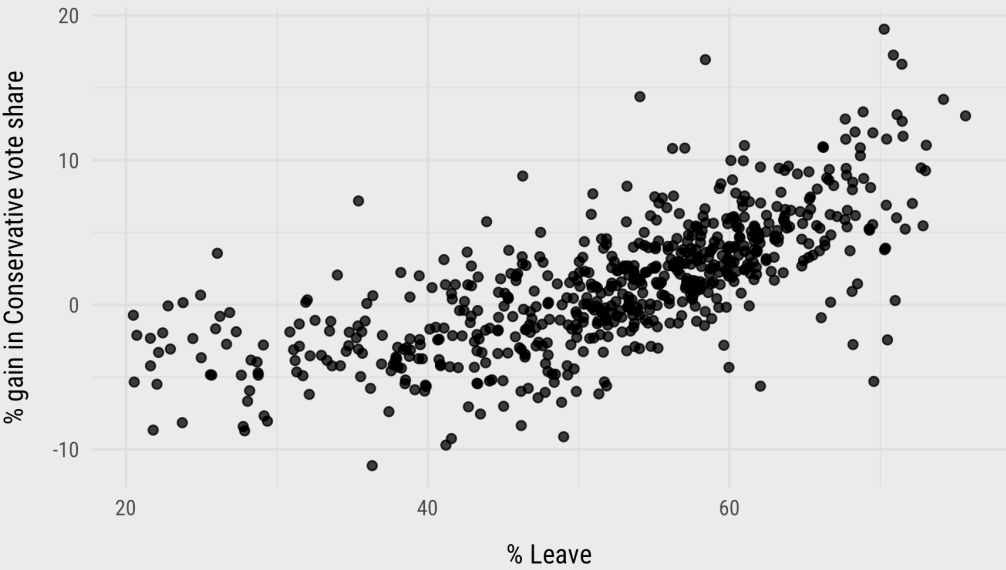


# Conservative gain in vote shares by Leave vote (estimated)

-- Constituencies in Great Britain. Gain is diff in vote shares between 2017-2019 GE.

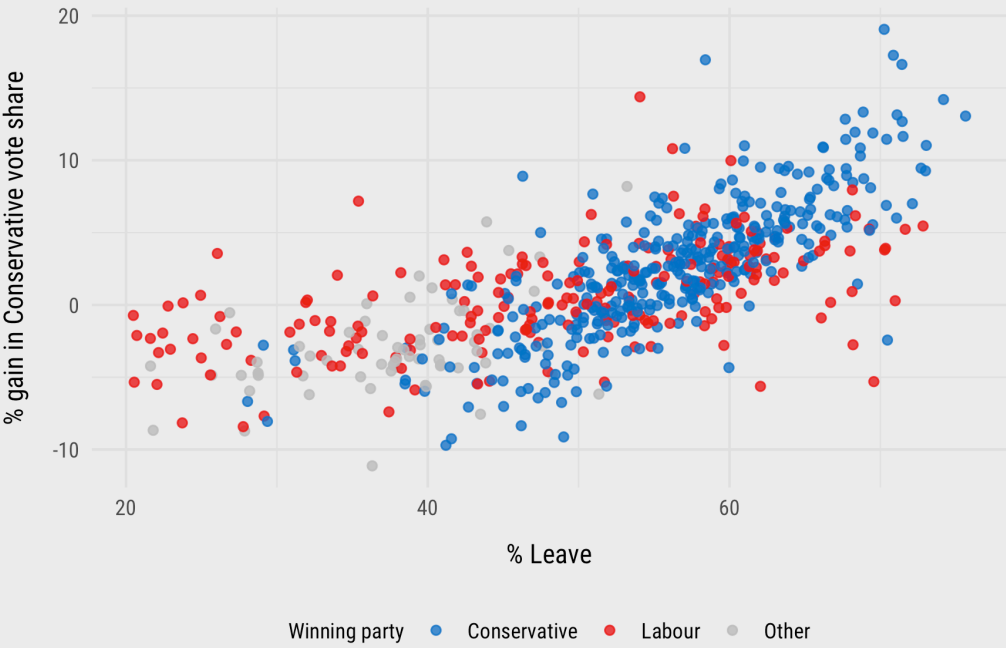


plot grammar -> ggplot2 spec

data types, channels, marks

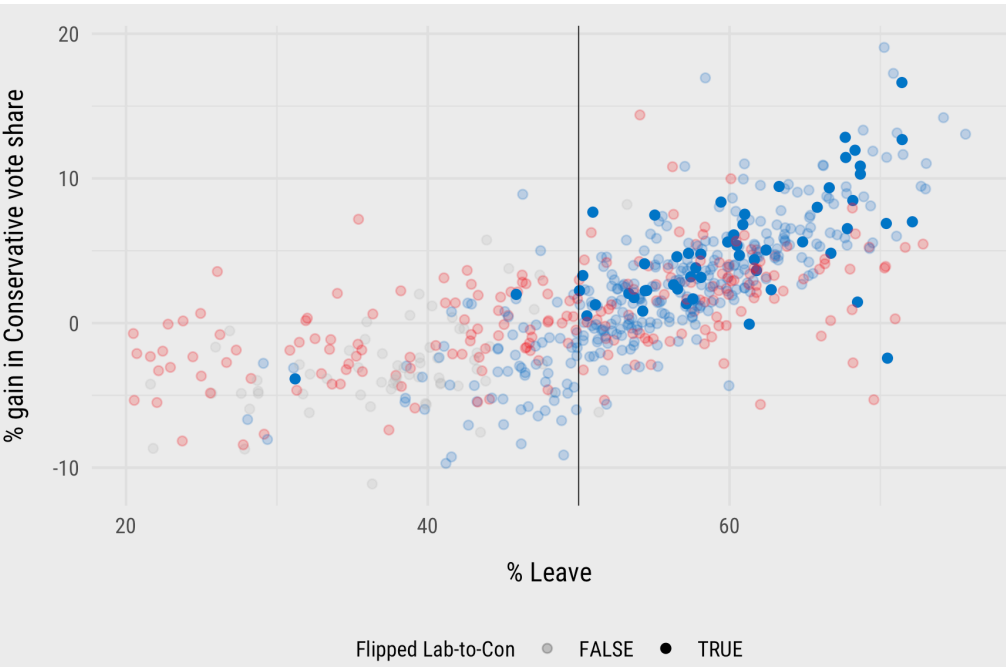
```
leave_hanretty: ratio
con_1719: ratio
leave_hanretty -> x-position
con_1719 -> y-position
mark -> geom_point
```

```
data_ge %>%
  ggplot(data=.) +
    geom_point(
      mapping=
        aes(
          x=leave_hanretty,
          y=con_1719
        )
    )
```



```
leave_hanretty: ratio
con_1719: ratio
winning_party: nominal
leave_hanretty -> x-position
con_1719 -> y-position
winning_party -> colour
mark -> geom_point
```

```
data_ge %>%
  ggplot(data=.) +
    geom_point(
      mapping=
        aes(
          x=leave_hanretty,
          y=con_1719,
          colour=winning_party
        )
    )
```



```
leave_hanretty: ratio
con_1719: ratio
winning_party: nominal
flipped: ordinal
leave_hanretty -> x-position
con_1719 -> y-position
winning_party -> colour
flipped -> alpha
mark -> geom_point
```

```
data_ge %>%
  ggplot(data=.) +
    geom_point(
      mapping=
        aes(
          x=leave_hanretty,
          y=con_1719,
          colour=winning_party,
          alpha=flipped
        )
    )
```