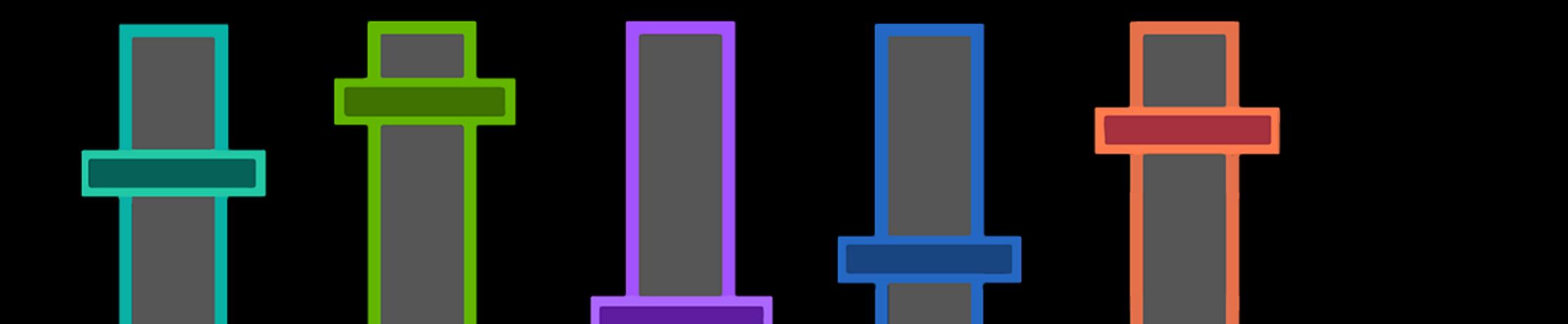
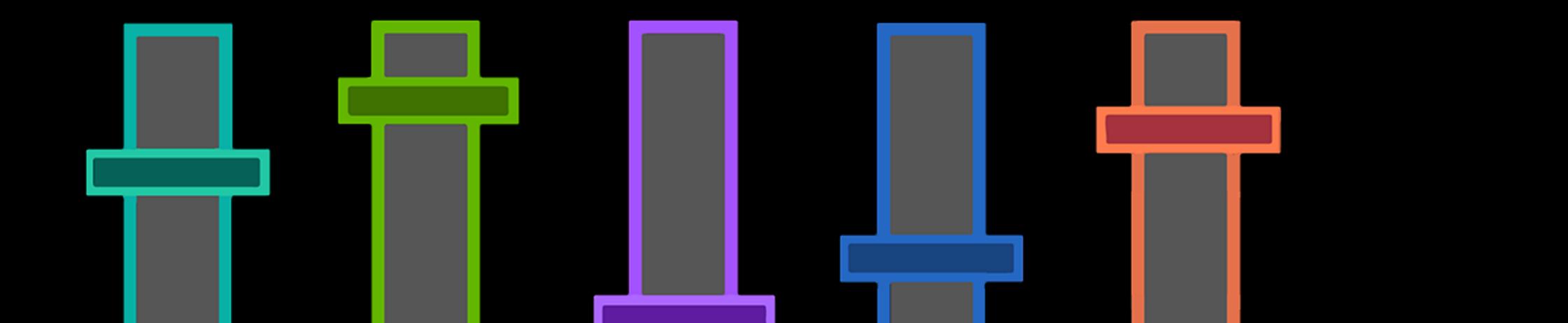


TUNING HYPERPARAMETERS,

IN 6 MINUTES

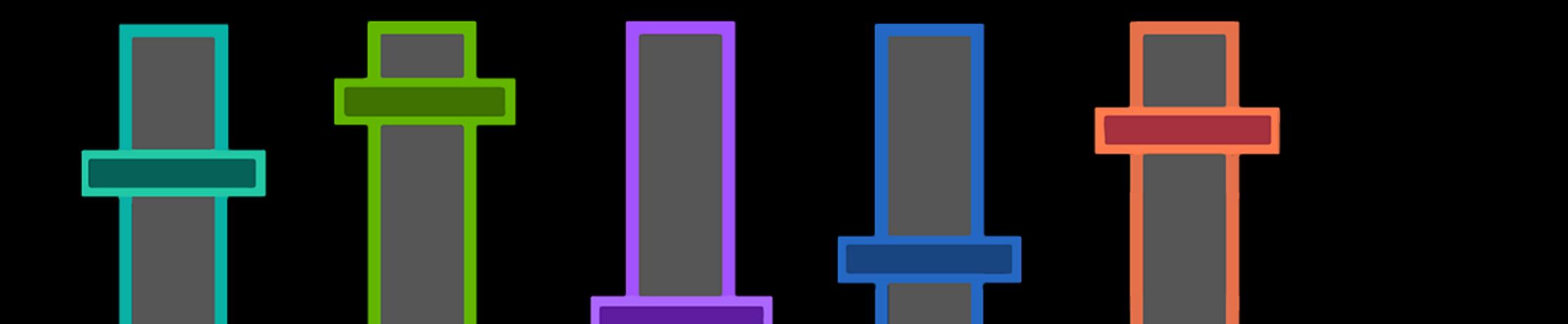


HYPERPARAMETERS, IN 6 MINUTES

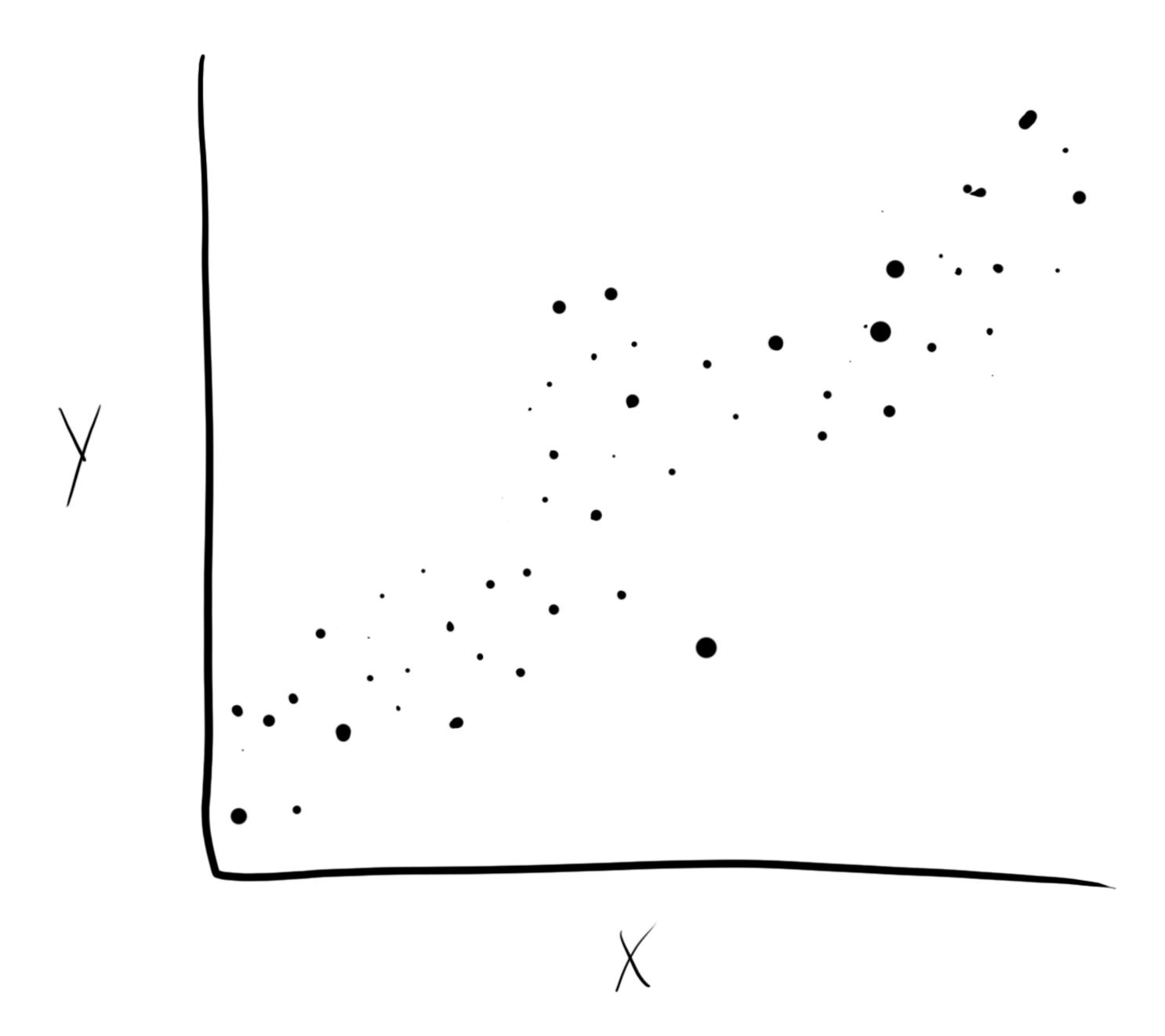


TUNING HYPERPARAMETERS,

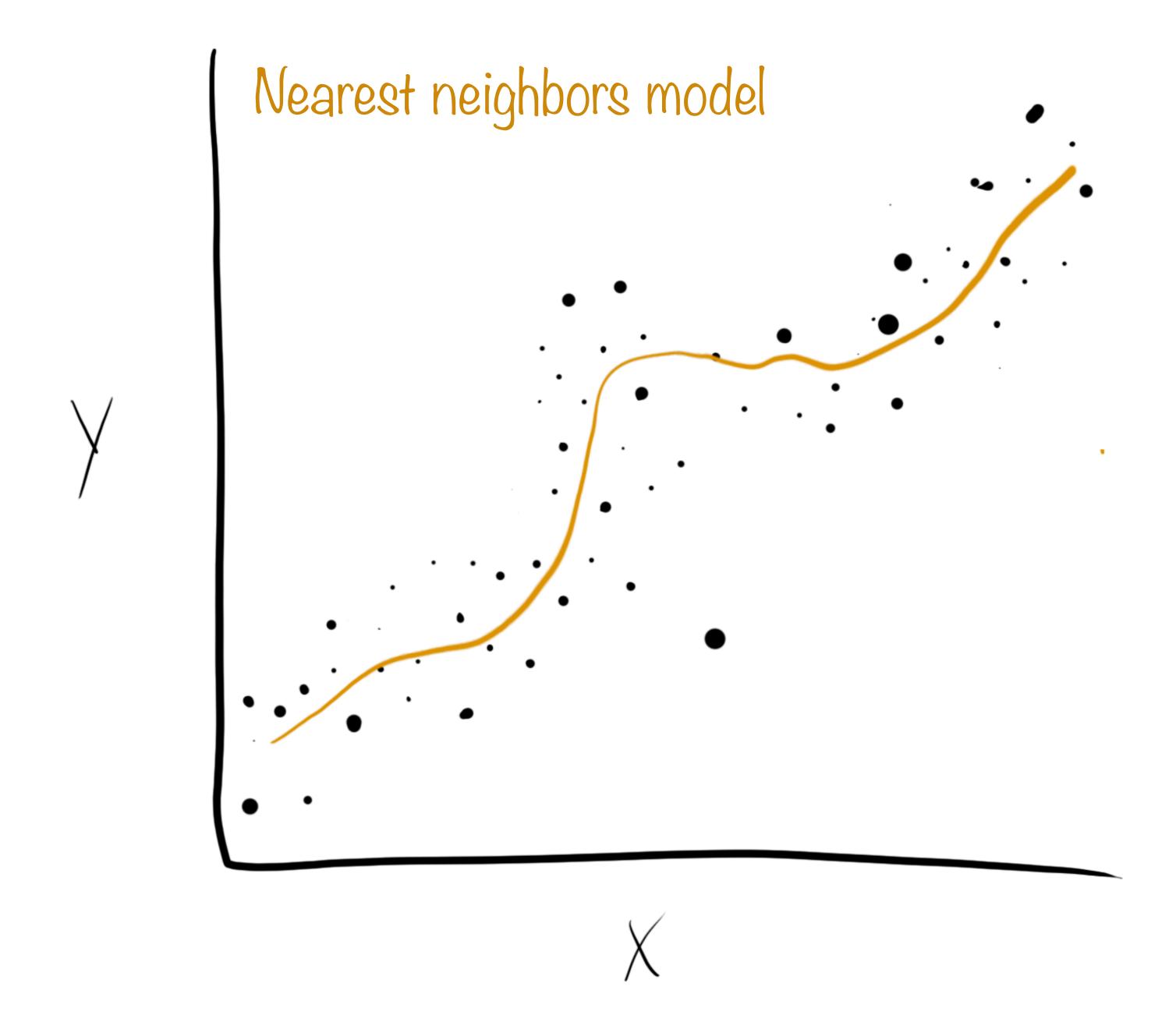
IN 6 MINUTES



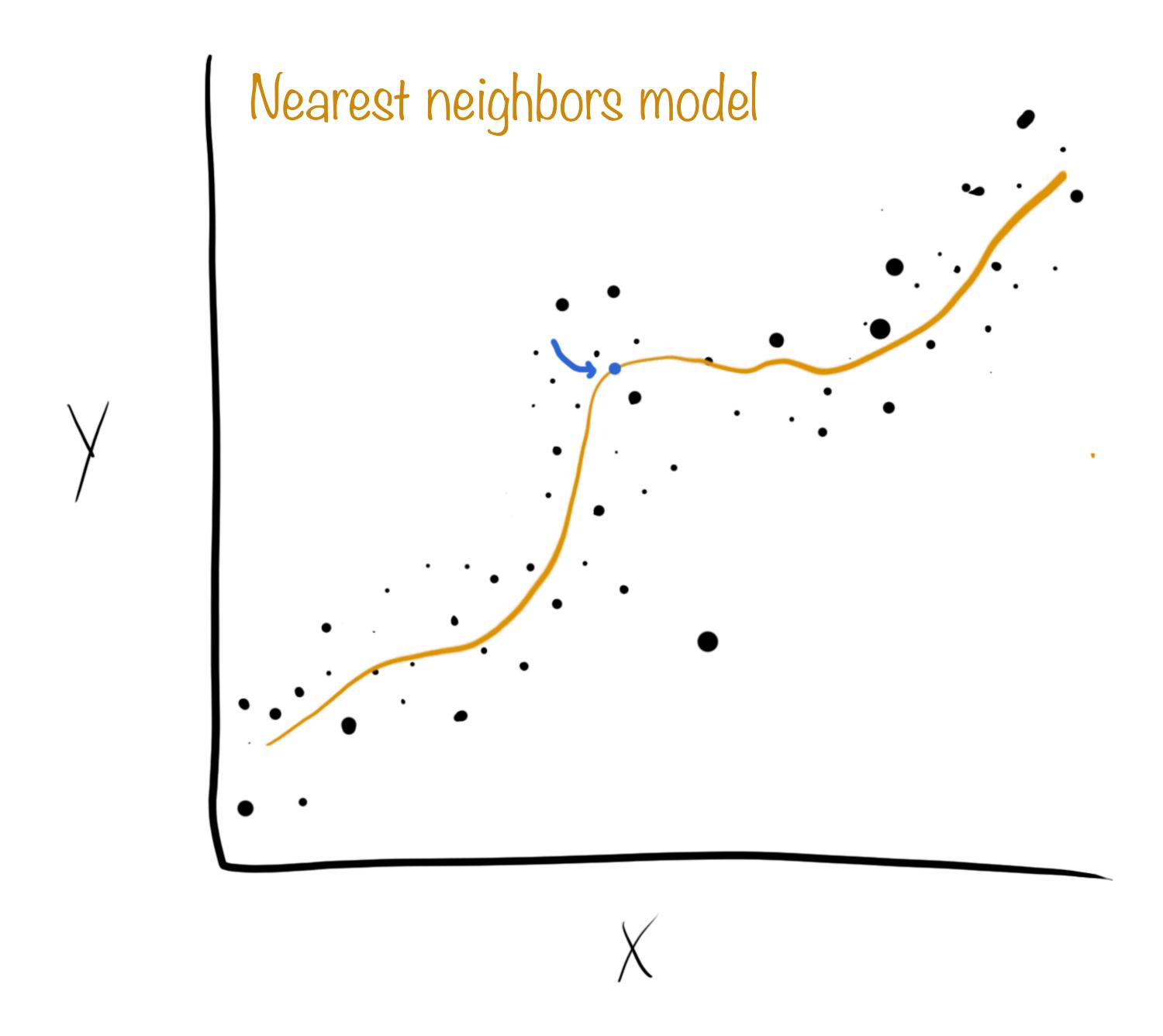




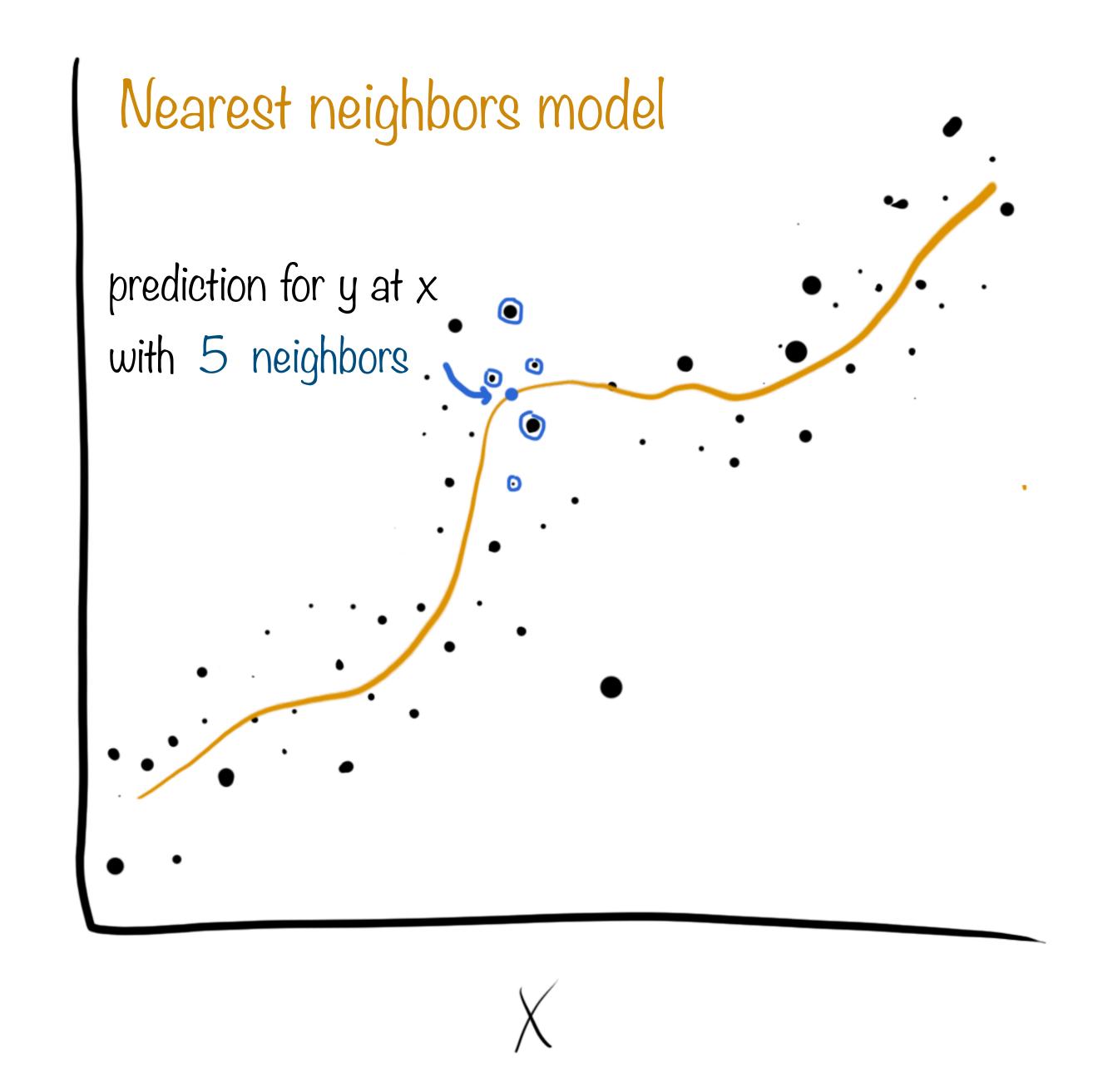




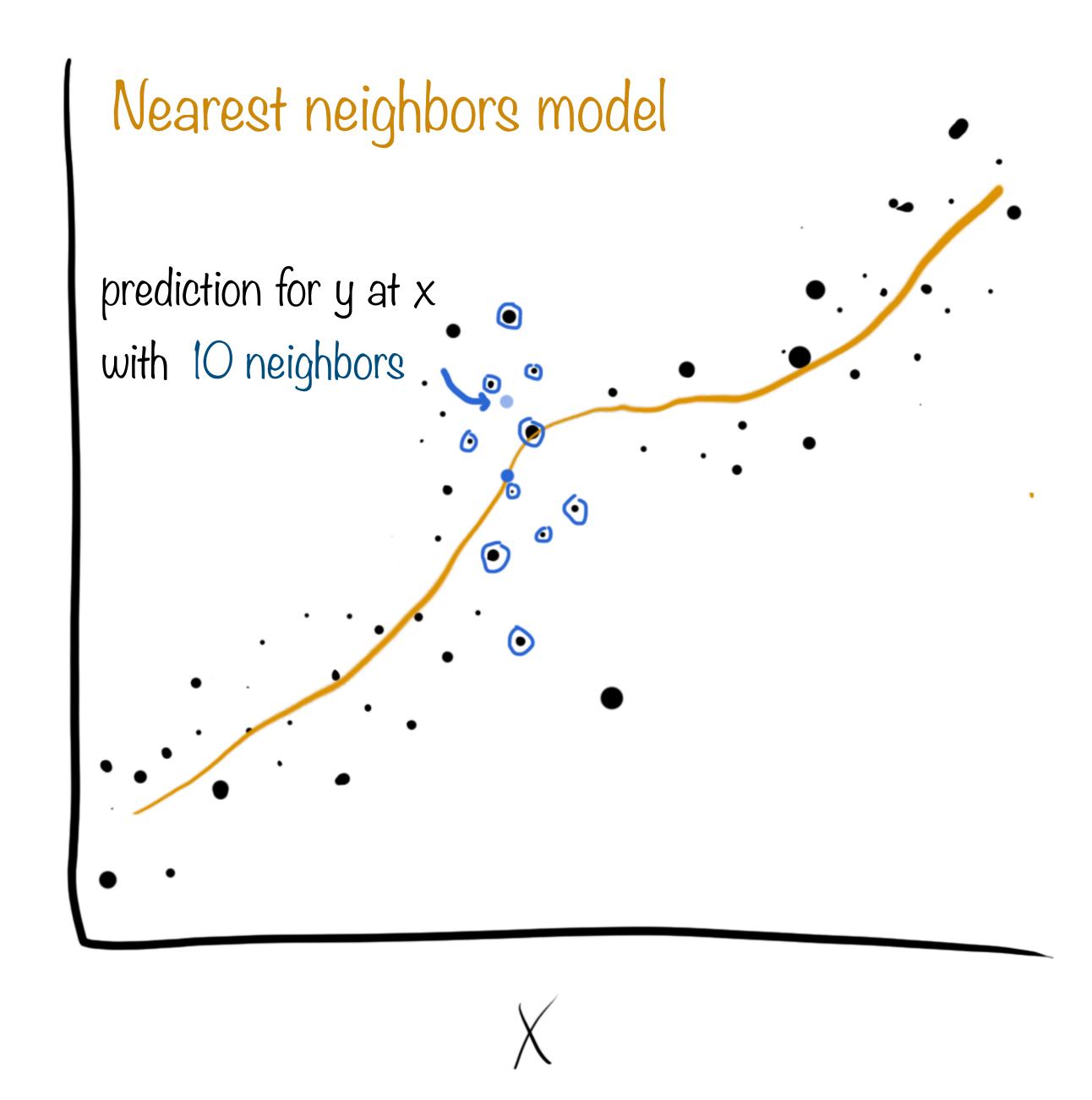




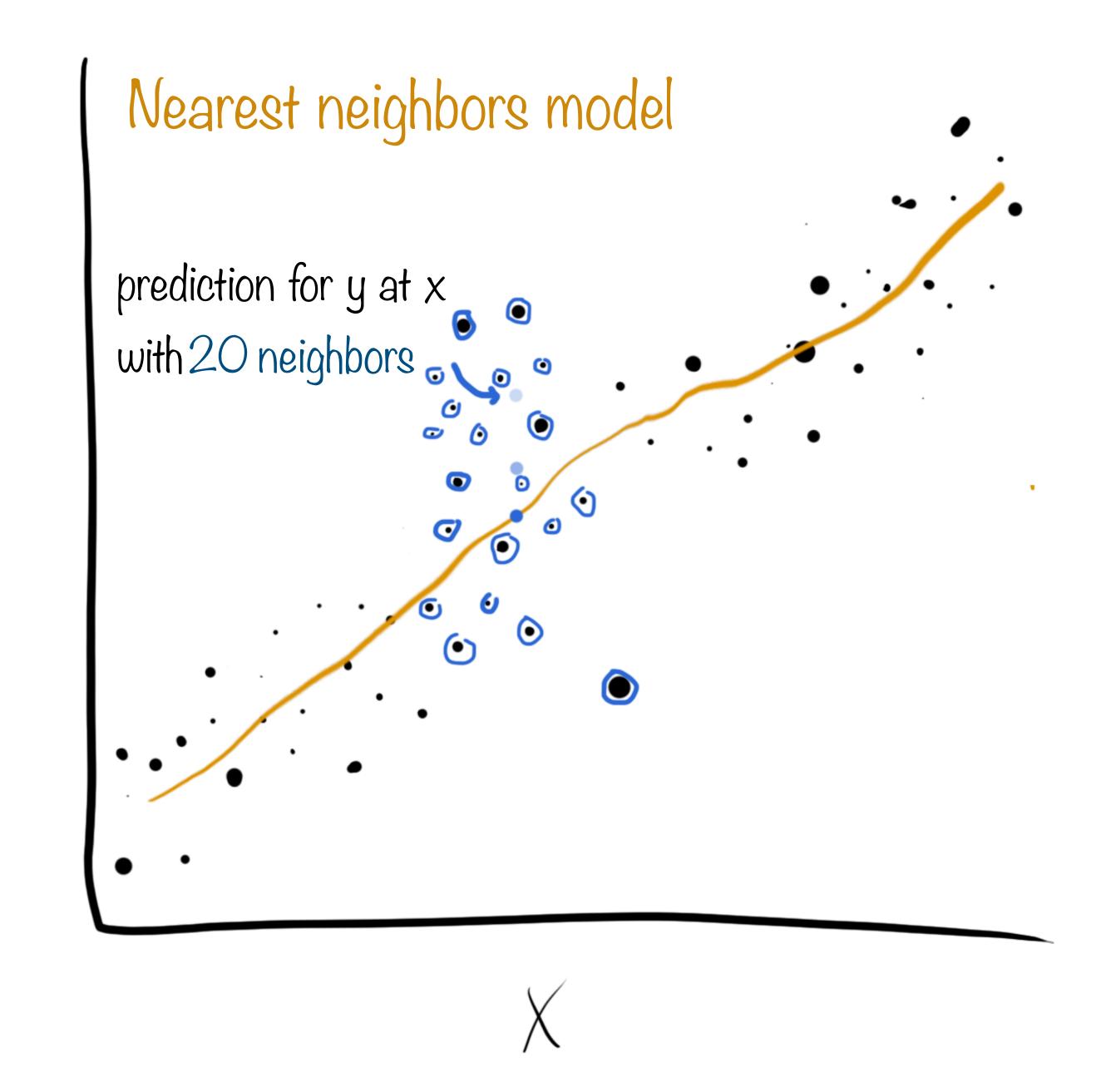




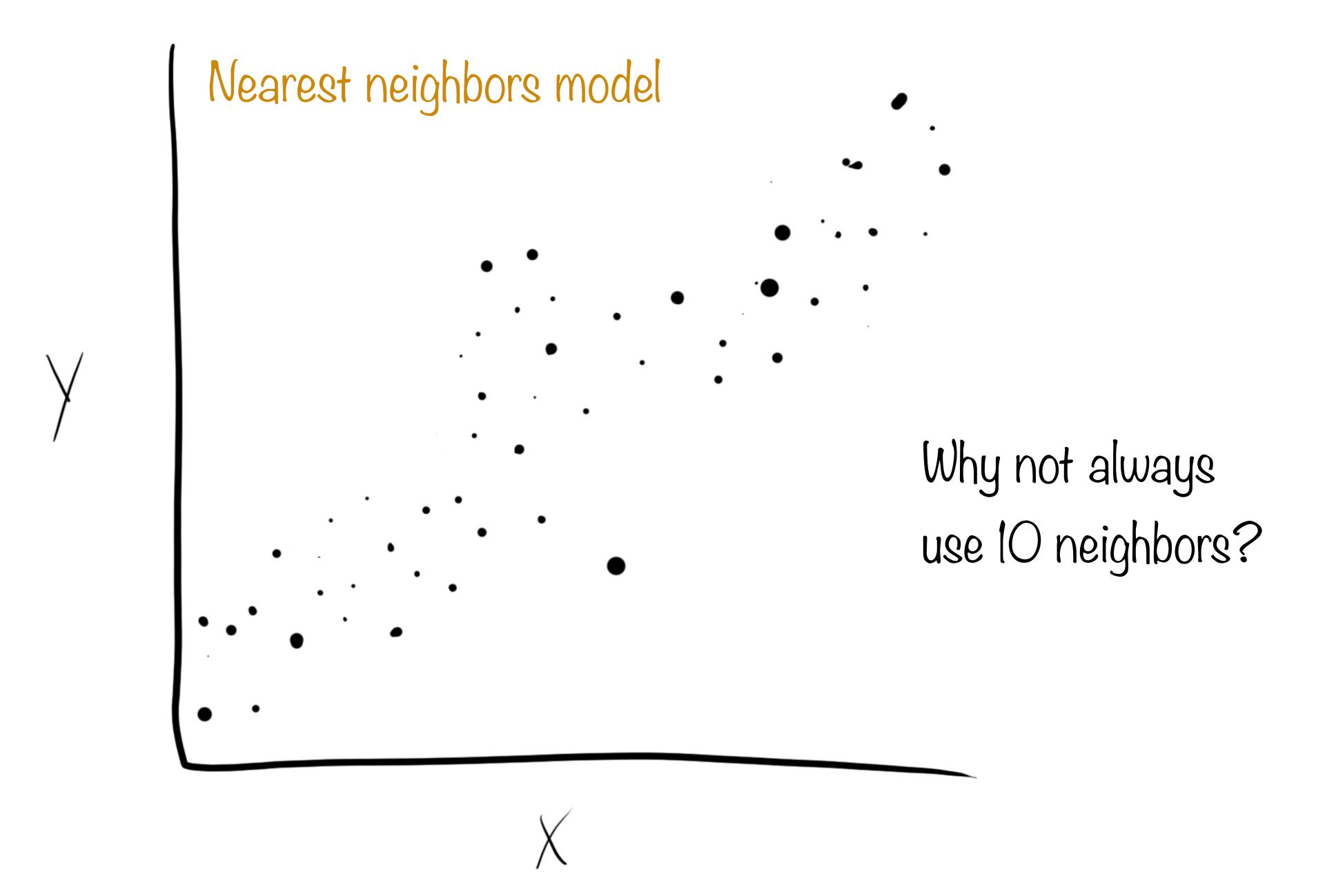




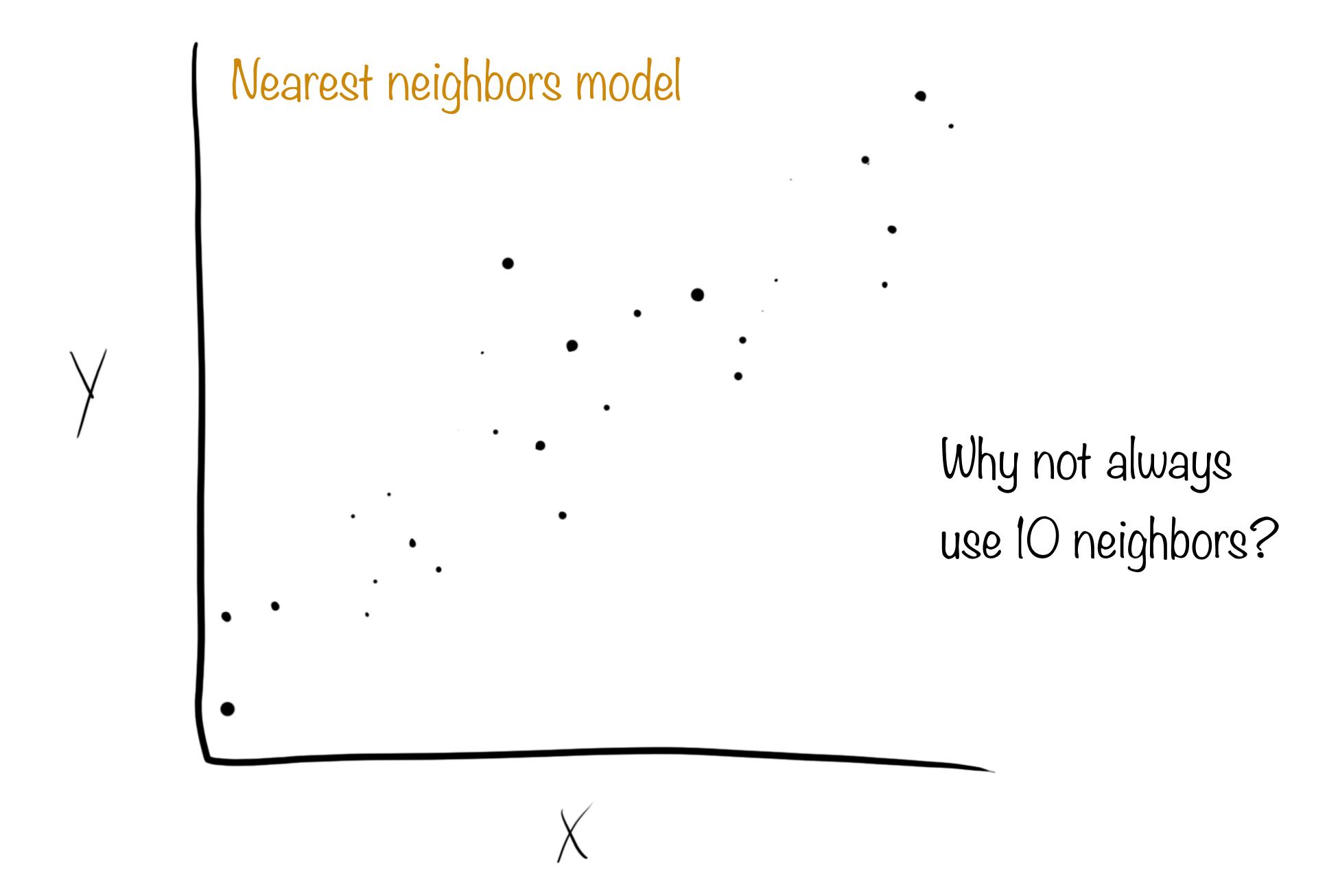




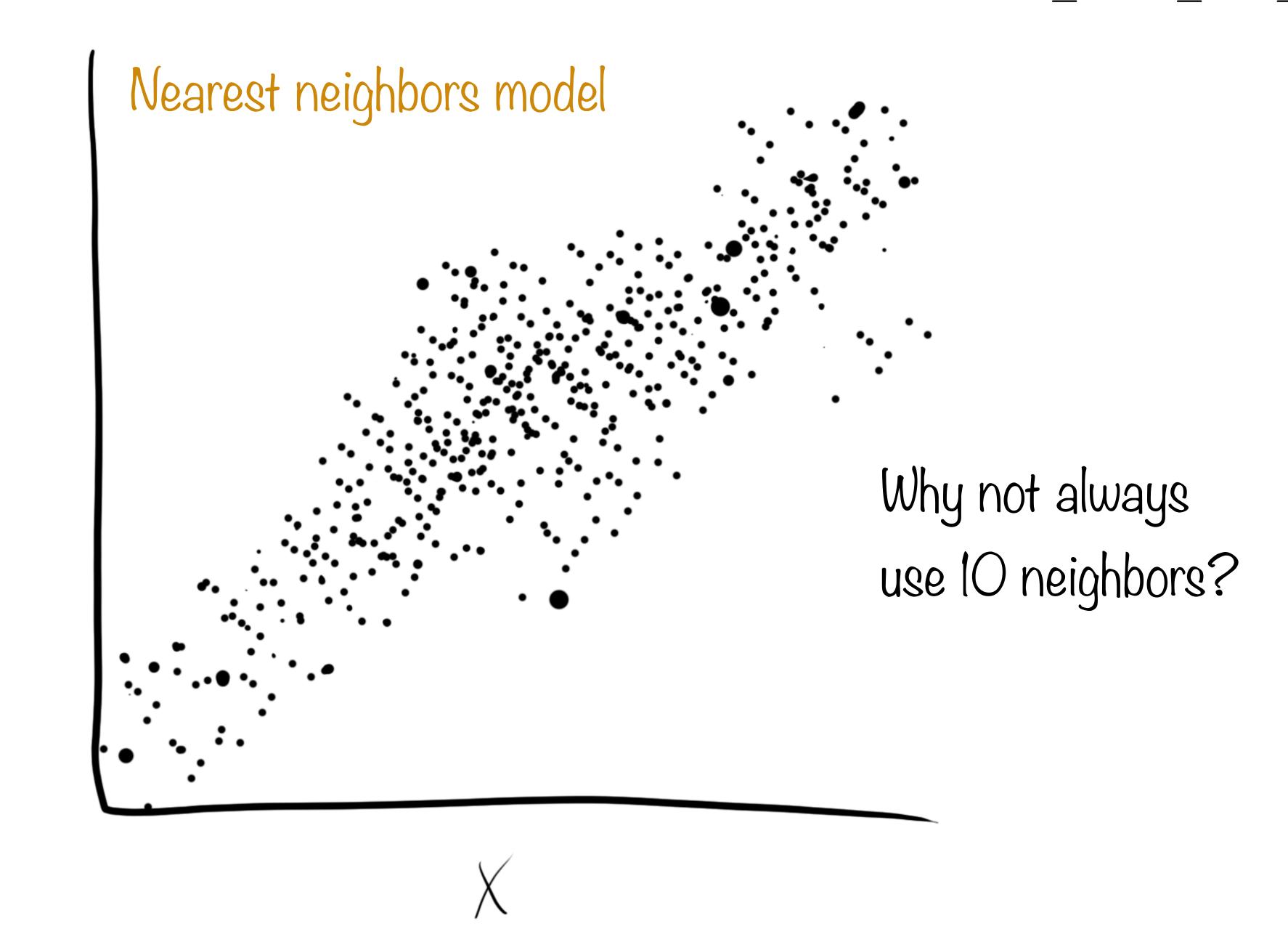








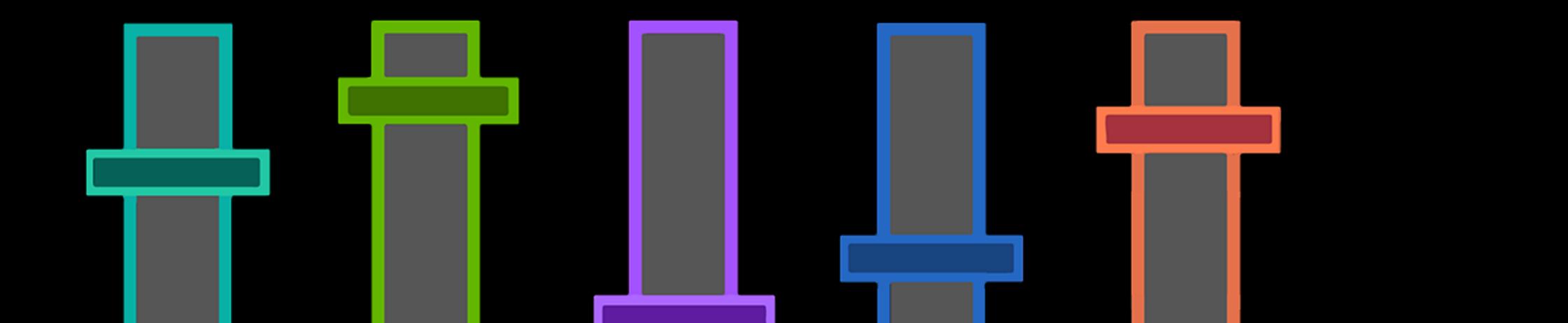








HYPERPARAMETERS, IN 6 MINUTES

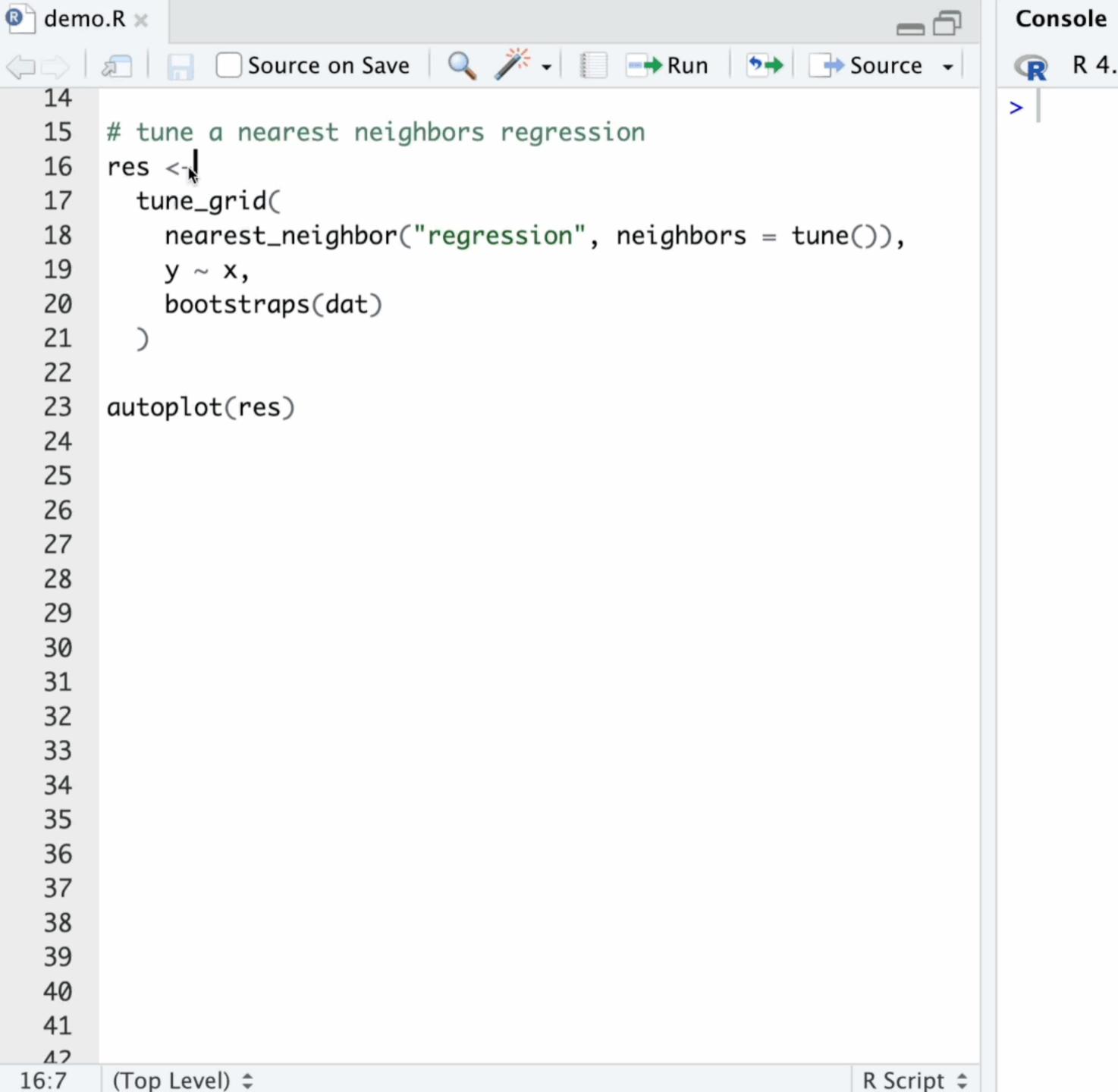




- 1. Last.tune.result
- 2. The "issue cataloger"
- 3. collect *()
- 4. Return on interrupt
- 5. Making tune's job easier



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Console Terminal × Background Jobs ×

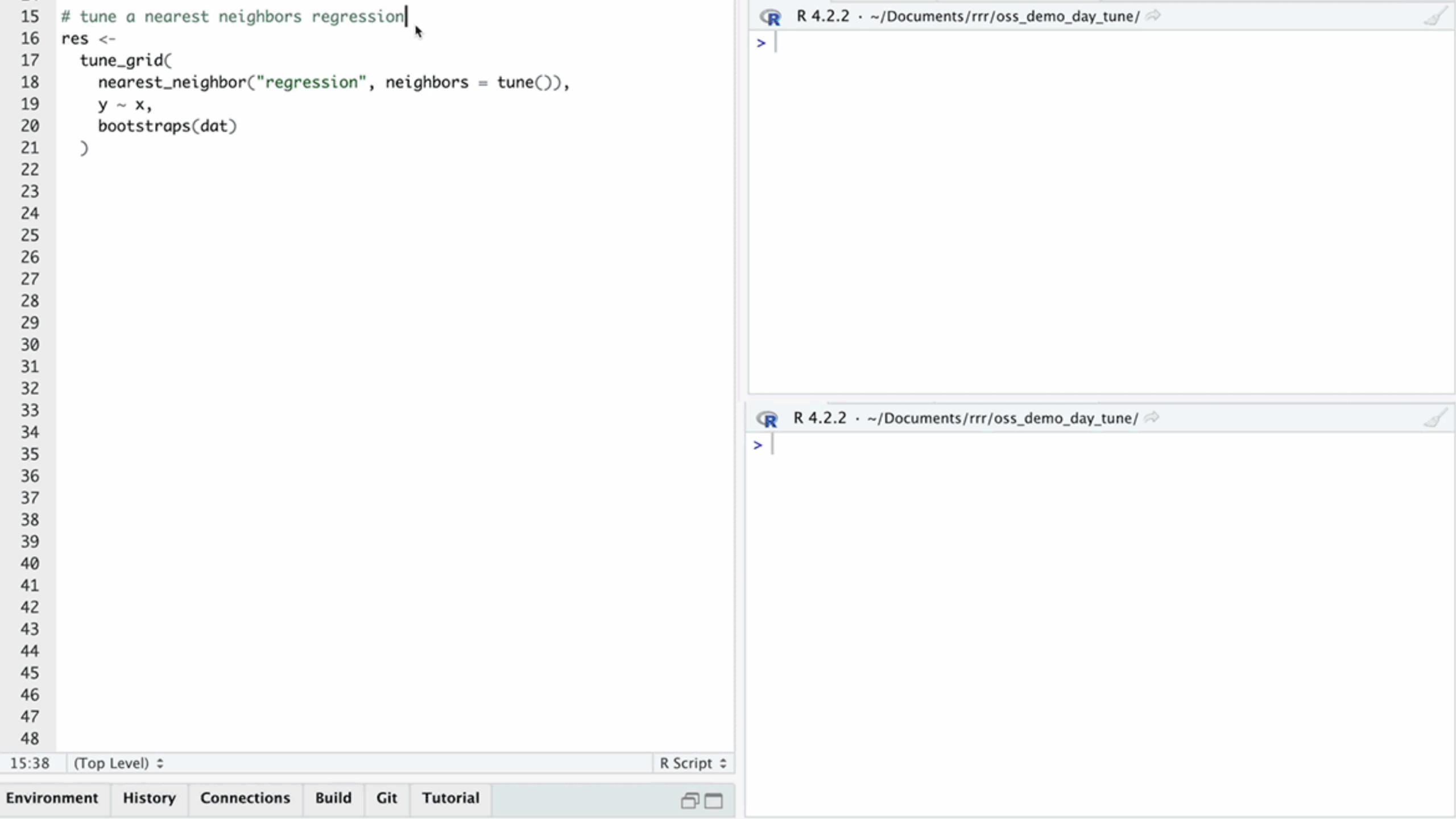
R 4.2.2 · ~/Documents/rrr/oss_demo_day_tune/
>



- 1. Last.tune.result
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data.frame (x = 1:1e6)





- 1. Last.tune.result
- 2. The "issue cataloger"
- 3. collect *()
- 4. Return on interrupt
- 5. Making tune's job easier

```
Run 🖘 Source 🔻 🗏
                                                                   15 # tune a nearest neighbors regression,
 16 # but be a silly goose
 17 raise_concerns <- function(x) {
      warning("eep!")
 18
 19
      stop("ope!")
 20 - }
    ctrl <- control_grid(extract = raise_concerns)</pre>
 23
    res <-
      tune_grid(
 26
        nearest_neighbor("regression", neighbors = tune()),
        y \sim x,
 28
        bootstraps(dat),
        control = ctrl
 30
 31
 32
 33
 34
 35
 36
 37
 38
 39
 40
 41
 42
 43
 45
 46
 47
 48
      (Top Level) $
                                                          R Script $
32:1
```

```
> res <-
   tune_grid(
     nearest_neighbor("regression", neighbors = tune()),
     y \sim x,
     bootstraps(dat),
     control = ctrl
→ A | warning: eep!
→ B | error:
              ope!
There were issues with some computations A: x25 B: x25
>
```



- 1. Last.tune.result
- 2. The "issue cataloger"
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```
Run 🐤 Source 🕶 🖃
 15 # tune a nearest neighbors regression,
 16 # but be a silly goose
 17 * raise_concerns <- function(x) {
      warning("eep!")
 18
 19
      stop("ope!")
 20 - }
 21
     ctrl <- control_grid(extract = raise_concerns)</pre>
 24
    res <-
 25
      tune_grid(
 26
        nearest_neighbor("regression", neighbors = tune()),
        y \sim x,
 28
        bootstraps(dat),
        control = ctrl
 30
      31
 32
 33
 34
 35
 36
 37
 38
 39
 40
 41
 42
 45
 46
 47
 48
      (Top Level) $
                                                                R Script $
30:4
```

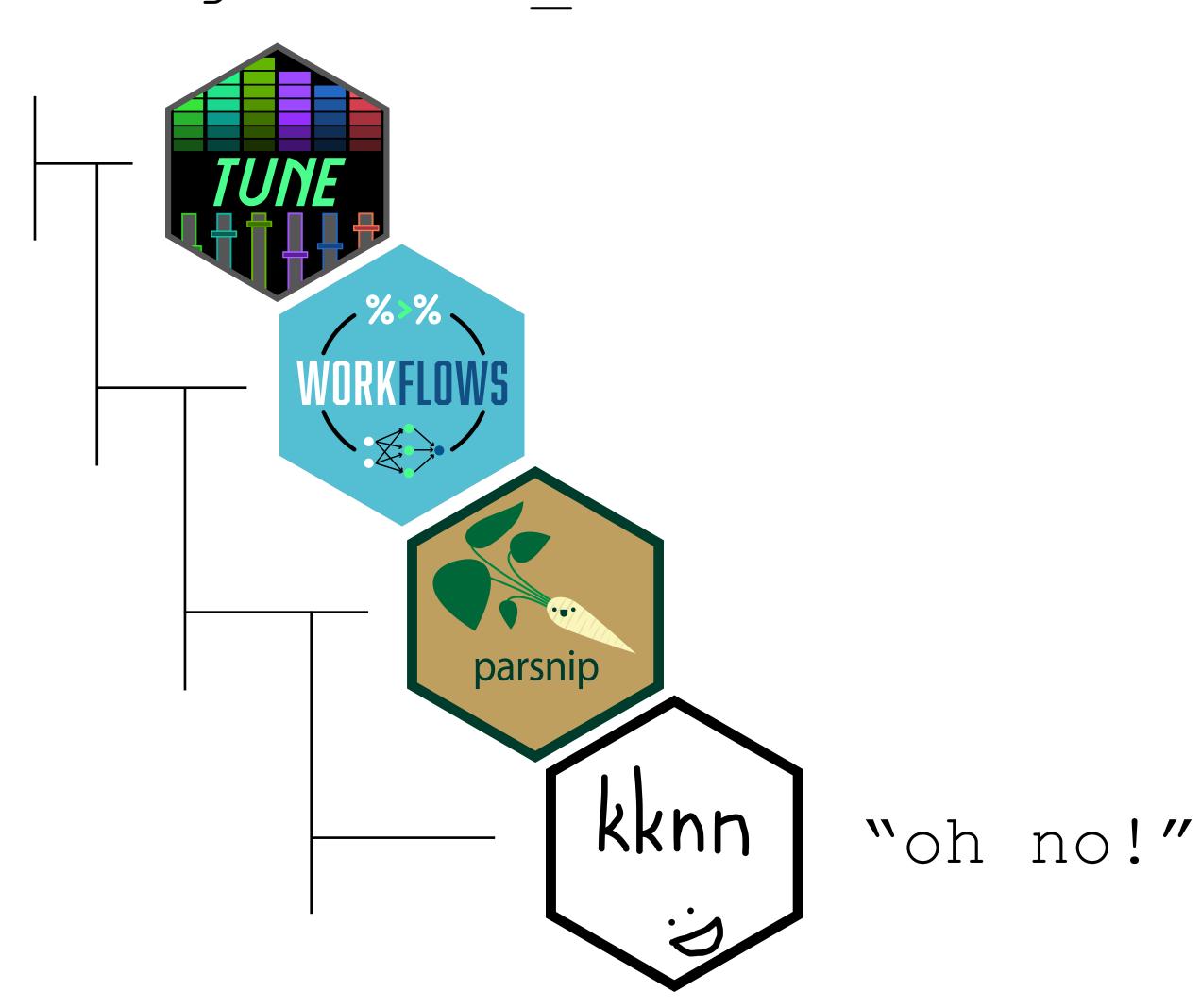
```
> res <-
+ tune_grid(
+ nearest_neighbor("regression", neighbors = tune()),
+ y ~ x,
+ bootstraps(dat),
+ control = ctrl
+ )
    A | warning: eep!
    B | error: ope!
There were issues with some computations A: x25 B: x25
> |
```

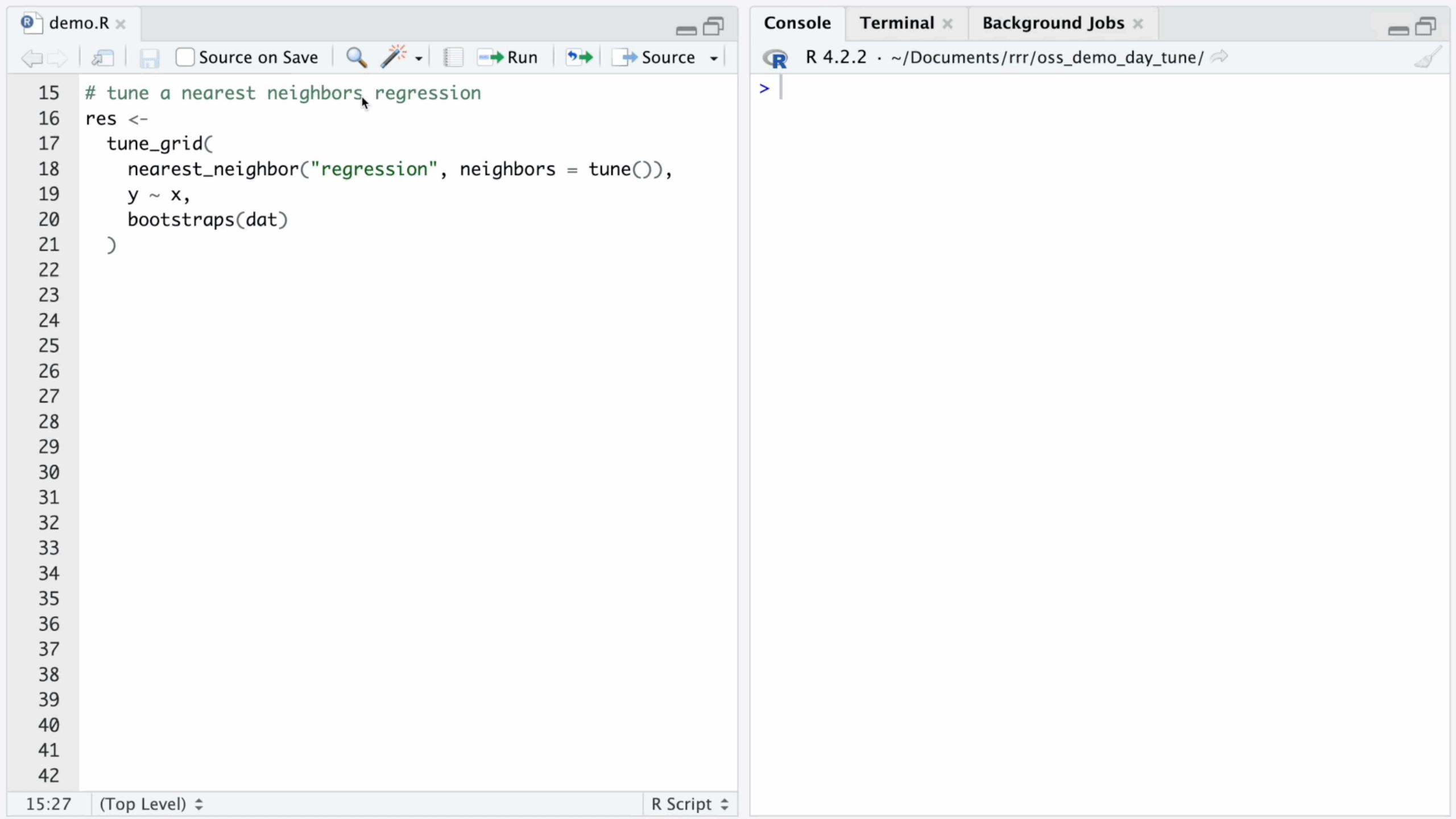


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rlang::trace back()







- 1. Last.tune.result
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Slides and source code:

github.com/simonpcouch/oss demo day tune

Install dev tune with:

pak::pak("tidymodels/tune")