

testingPower

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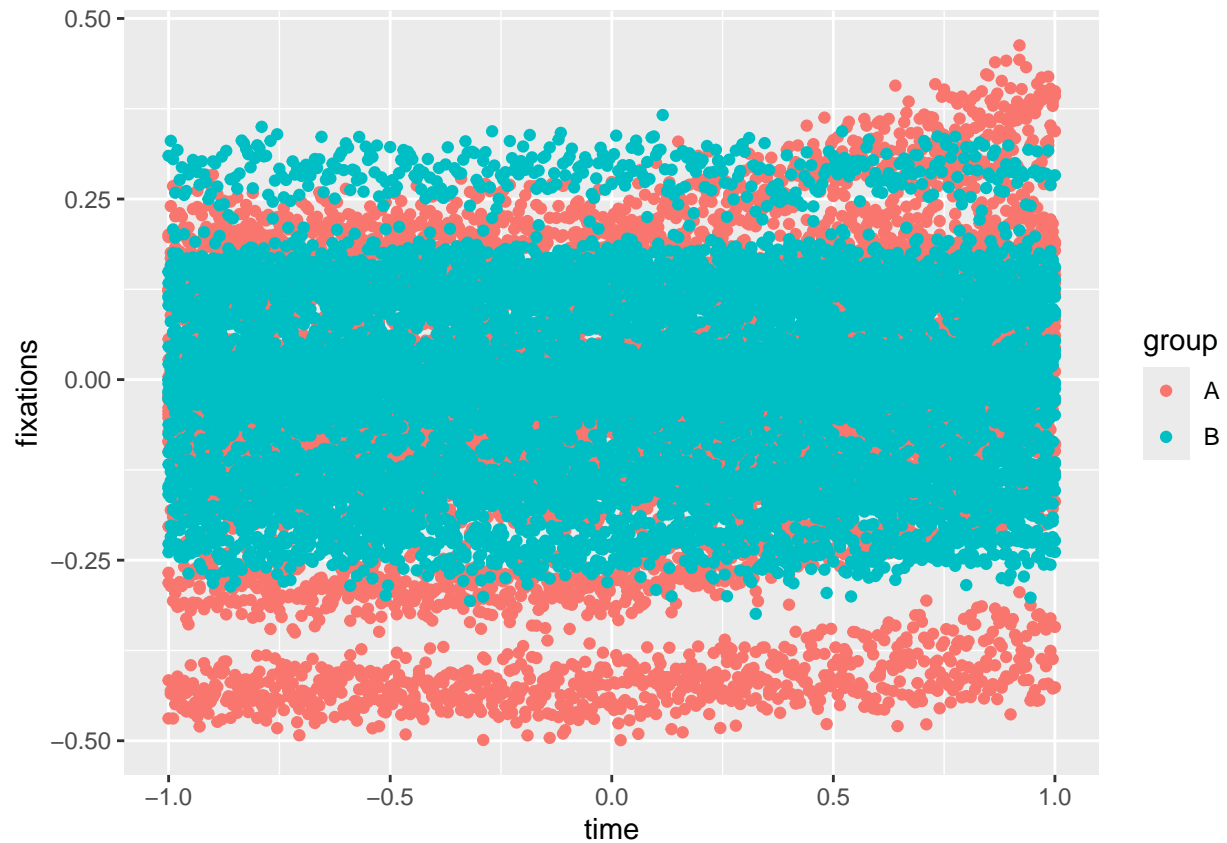
2025-07-01

For any given index

```
idx <- 1
sidx <- sds[idx,]
slp <- sidx$slope
ppars <- c(0, slp)
dat <- createPlineData(manymeans = sidx$mm,
                       ar1 = FALSE,
                       distSig = sidx$sigVal,
                       paired = FALSE,
                       pars = ppars,
                       TIME = seq(-1,1, by = 0.005))
```

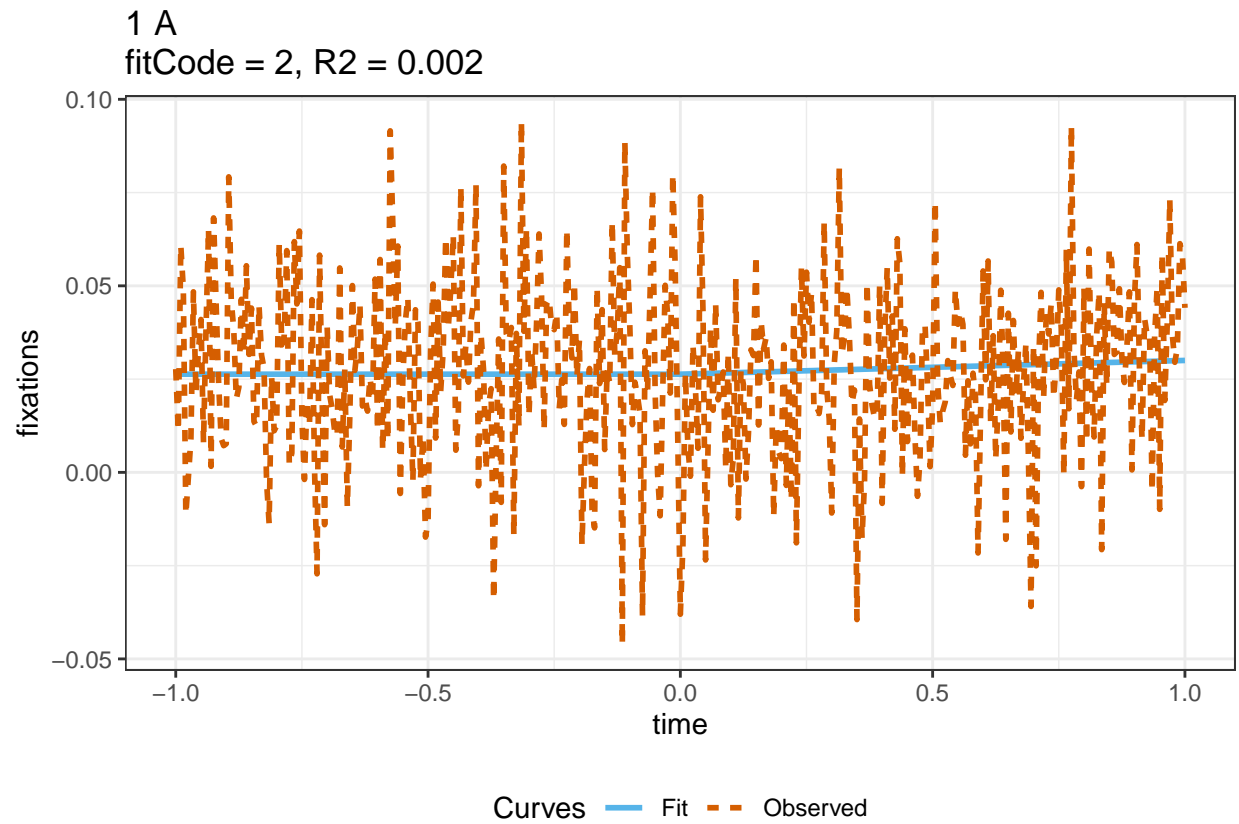
Check the data

```
ggplot(dat, aes(time, fixations, color = group)) + geom_point()
```



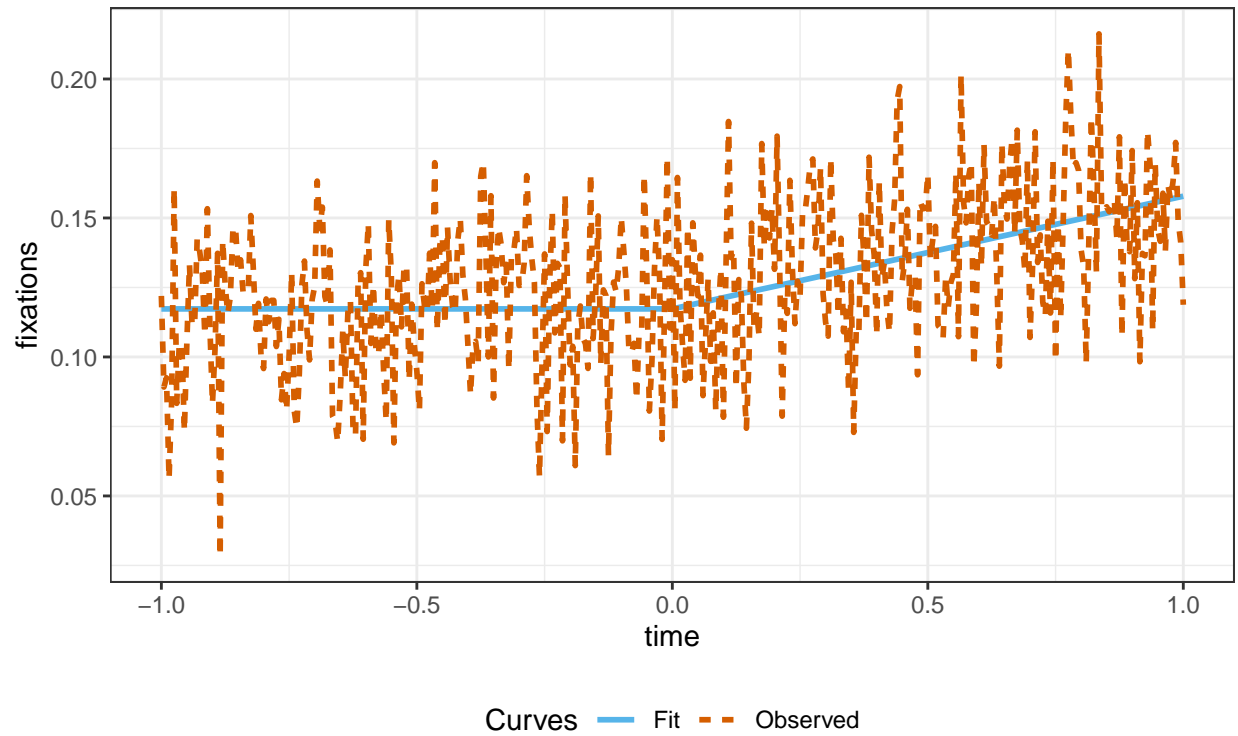
See if the generated line looks good

```
fit <- bfit(data = dat,
  y = "fixations",
  group = "group",
  subject = "id",
  time = "time",
  curveFun = plinePars(),
  cores = detectCores() - 1L,
  cor = FALSE)
# they look quite different among different
# trials
# GROUP A
plot(fit[1,])
```



```
plot(fit[2,])
```

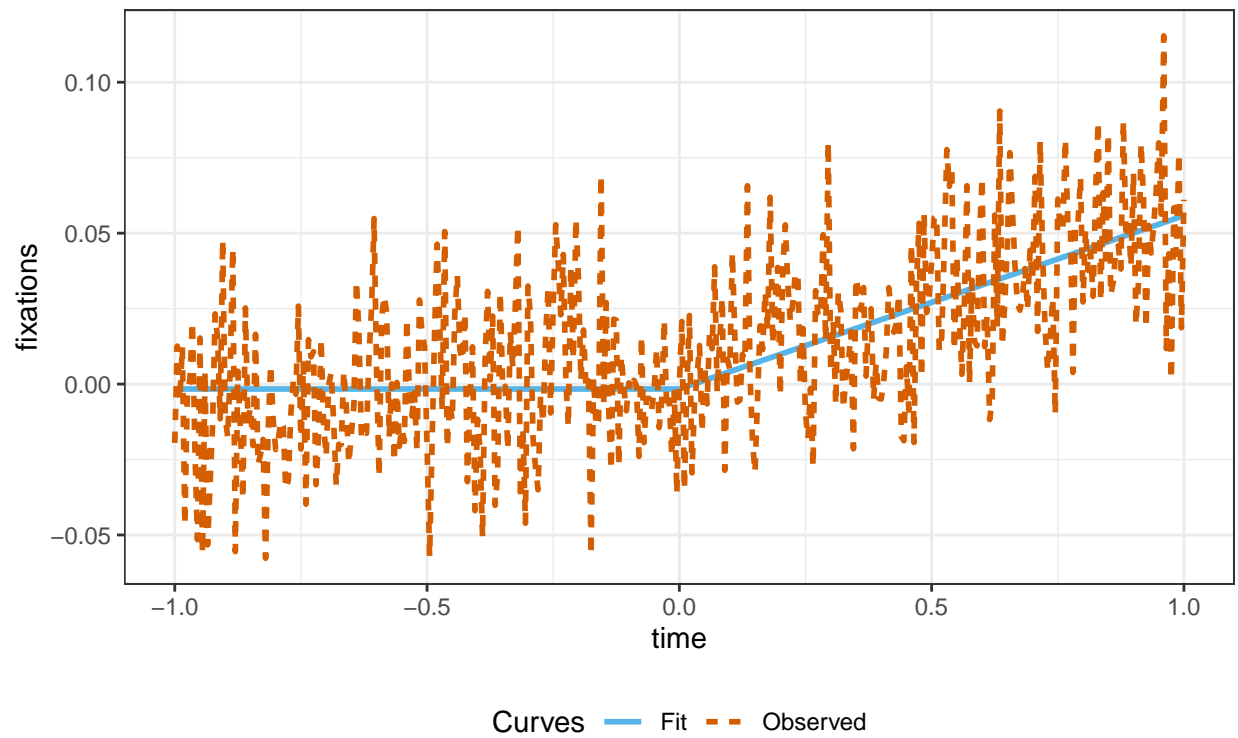
2 A
fitCode = 2, R2 = 0.205



```
plot(fit[3,])
```

3 A

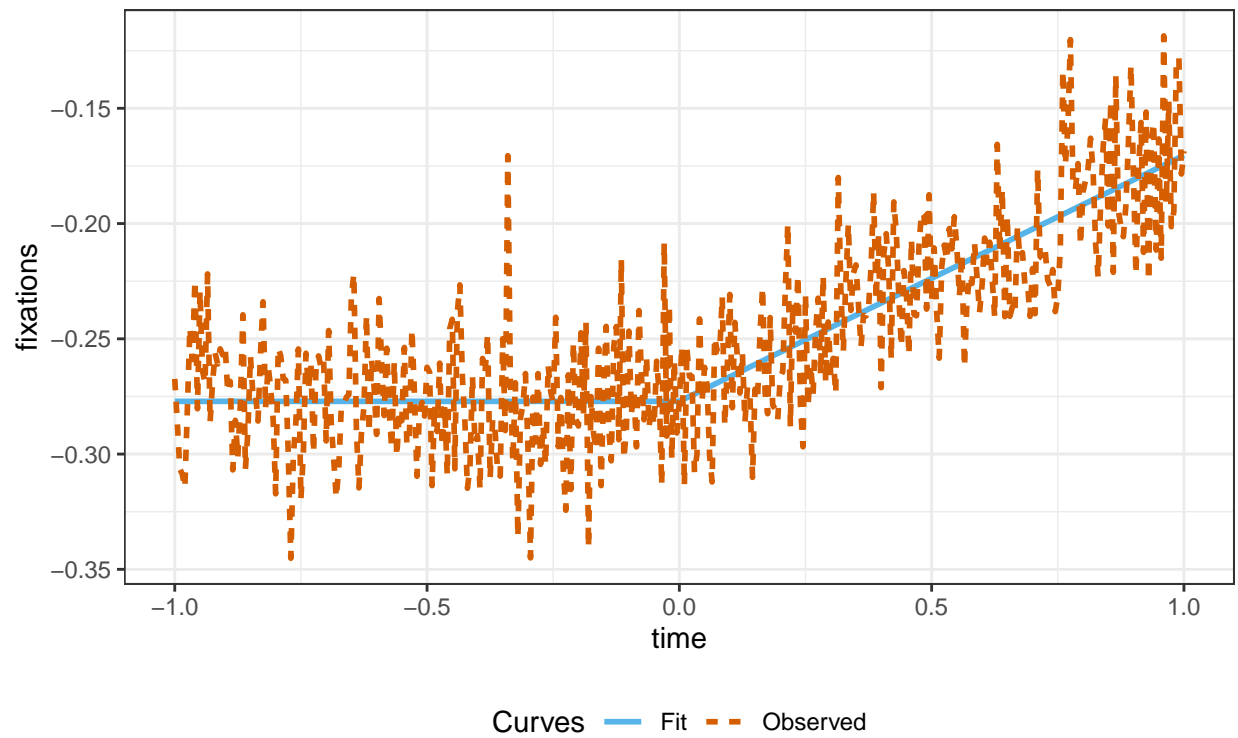
fitCode = 2, R2 = 0.373



```
plot(fit[4,])
```

4 A

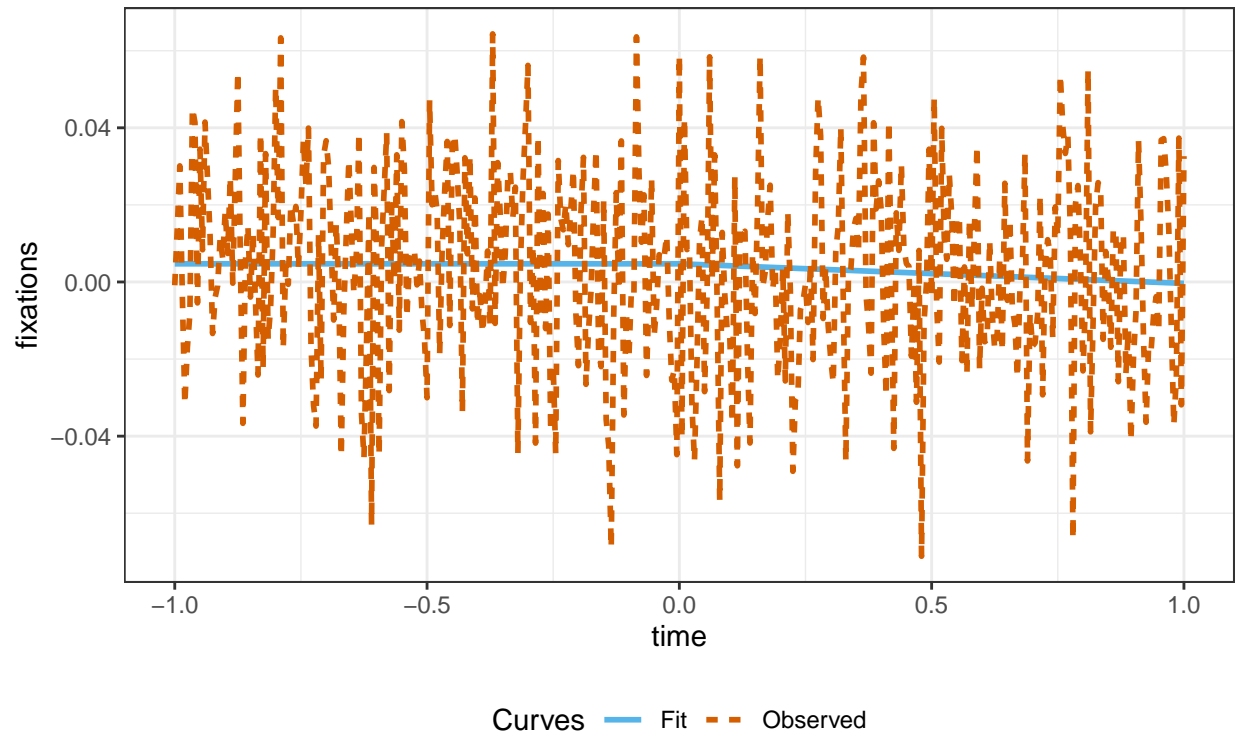
fitCode = 2, R2 = 0.643



```
# GROUP B  
plot(fit[26,])
```

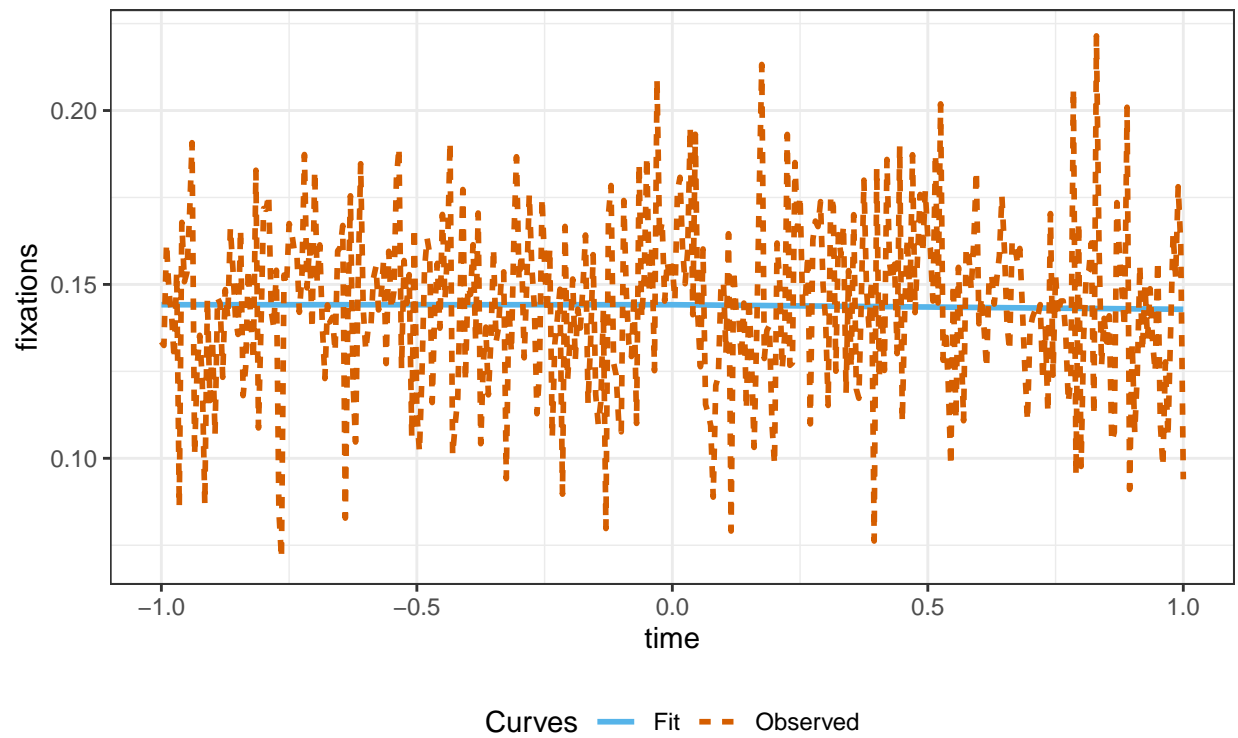
26 B

fitCode = 2, R2 = 0.004



```
plot(fit[28,])
```

28 B
fitCode = 2, R2 = 0



all the B's kinda look the same