Demonstration

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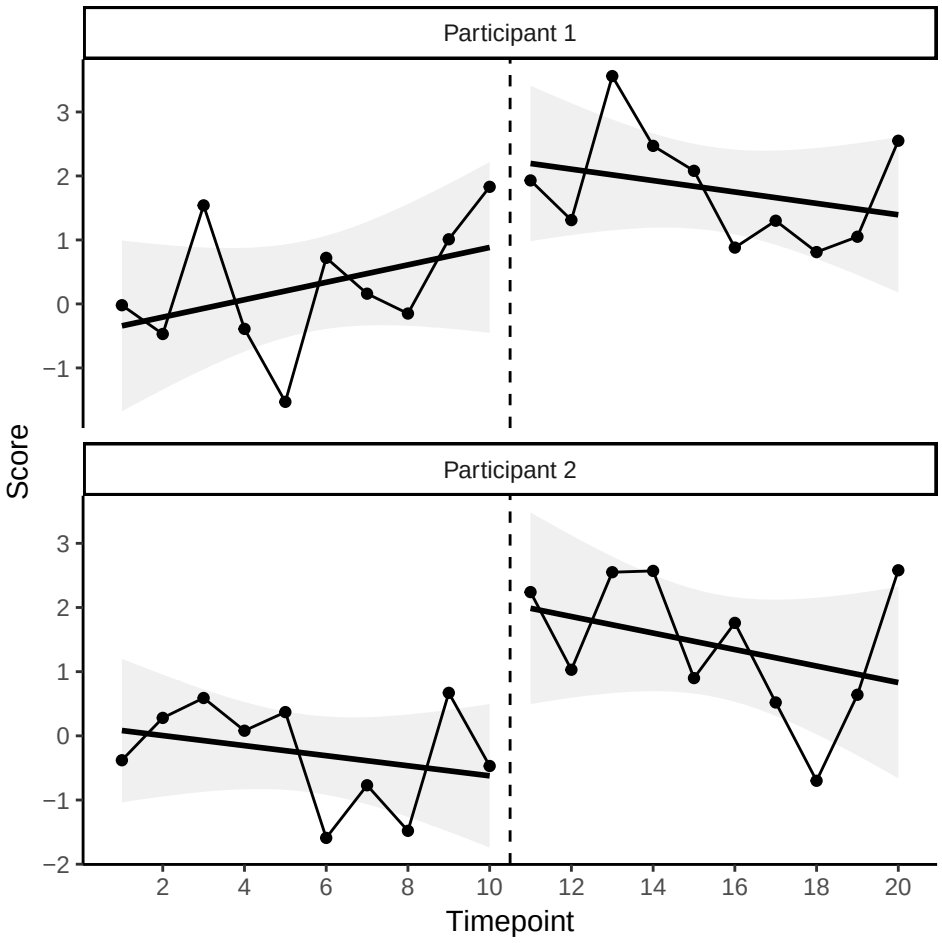
```
# dependencies
library(SCED)
library(knitr)
library(tidyverse)

# dependencies required by SCED
library(broom)
library(coin)
library(survival)
library(effsize)
library(bootES)
library(boot)
library(stringr)
library(timesavers)  # from github/ianhussey

# simulate data
data <- simulate_data(participants = 2,    # two participants
                      timepoints_a = 10,   # 10 timepoints pre
                      timepoints_b = 10,   # 10 post intervention
                      cohens_d = 1.5) %>%  # Cohen's d = 1.5
  mutate(Participant = paste("Participant", Participant))

# analyse
results <- sced_analysis(data = data)

# summarise results in a table
sced_summary(results = results) %>%
  kable()
```

Participant	Median difference	Ruscio's A	Hedges' g	p
Participant 1	1.550	0.893 [0.69, 1]	1.53 [0.64, 2.4]	0.00222
Participant 2	1.545	0.912 [0.725, 1]	1.65 [0.61, 2.63]	0.00152

```
# plot
sced_plot(data = data)
```


Participant 1
Participant 2
Score
Timepoint
3
2
1
0
−1
−2
2
4
6
8
10
12
14
16
18
20