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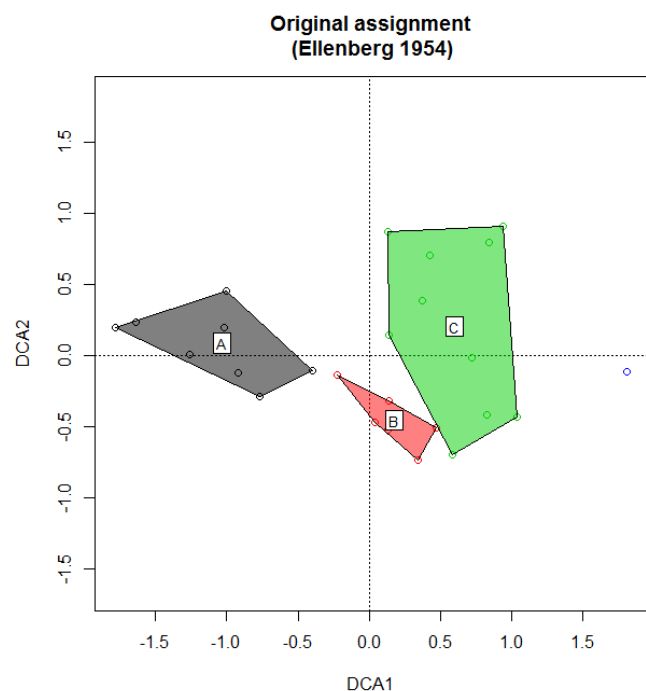
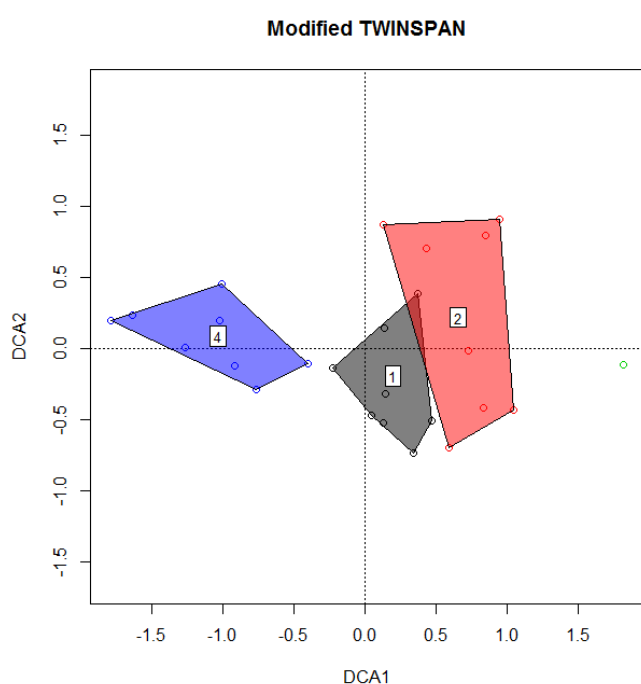
TWINSPAN (hierarchical divisive classification)

Theory R functions **Examples** [Exercise](#) 

Example

Run TWINSPAN example¹⁾, which shows modified TWINSPAN on traditional Ellenberg's Danube meadow dataset, projected on DCA ordination diagram and compared with original classification into three vegetation types (plus one not-classified releve) made by tabular sorting:

```
library (twinspanR)
library (vegan)
data (danube)
res <- twinspan (danube$spe, modif = TRUE, clusters = 4)
k <- cut (res)
dca <- decorana (danube$spe)
par (mfrow = c(1,2))
ordiplot (dca, type = 'n', display = 'si', main = 'Modified TWINSPAN')
points (dca, col = k)
for (i in c(1,2,4)) ordihull (dca, groups = k, show.group = i, col = i,
  draw = 'polygon', label = TRUE)
ordiplot (dca, type = 'n', display = 'si', main = 'Original assignment\n(
  Ellenberg 1954)')
points (dca, col = danube$env$veg.type)
for (i in c(1:3)) ordihull (dca, groups = danube$env$veg.type,
  show.group = unique (danube$env$veg.type)[i], col = i,
  draw = 'polygon', label = TRUE)
```





Video



Video

¹⁾

You would get the same result as the script below if you run `example` (`twinspan`) - this will run the example which comes with the help file of `twinspan` function (see the section *Examples* in `?twinspan`).

From:

<https://anadat-r.davidzeleny.net/> - **Analysis of community ecology data in R**

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