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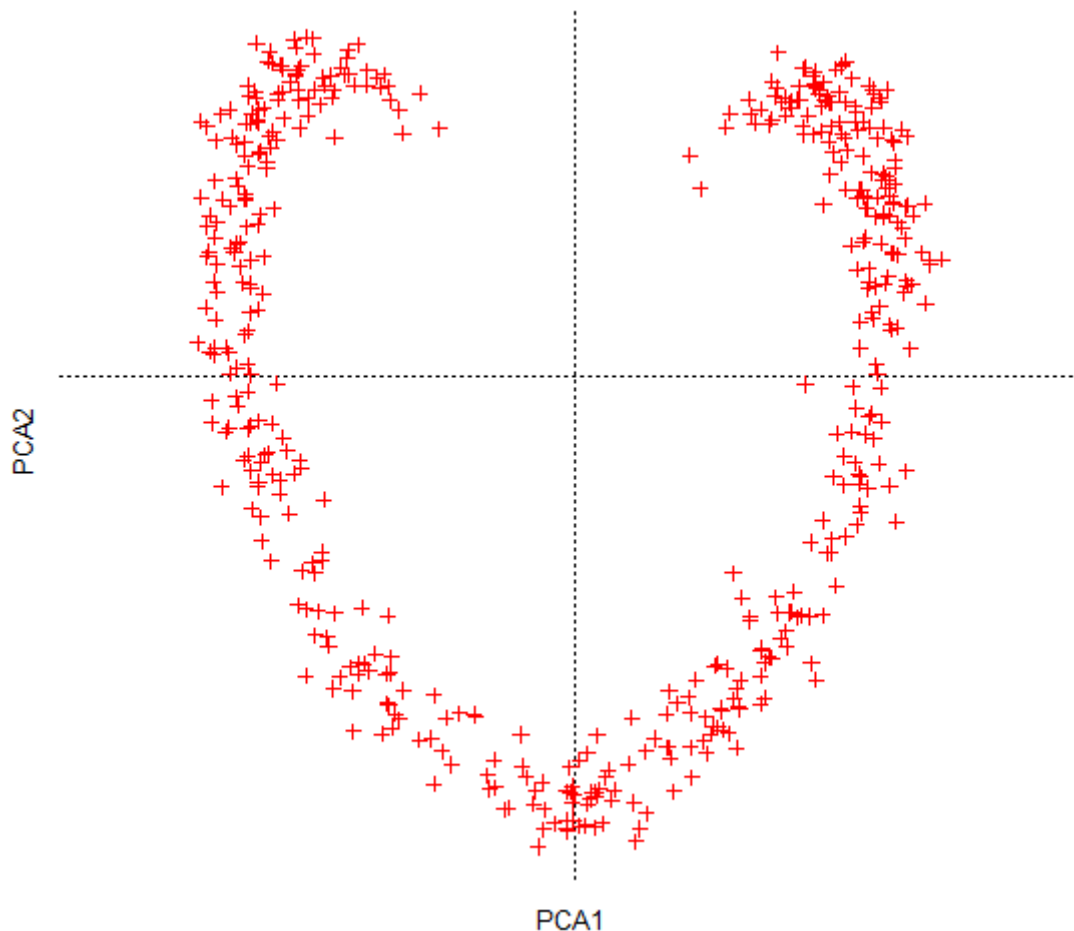
Logo (of heart) on the top of this website 1

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This is just simple horseshoe artefact, which arises from linear ordination analysis (PCA in this case) when applied on heterogeneous data. I used [simulated community dataset](#), structured by one artificial “environmental” gradient, and applied [principal component analysis \(PCA\)](#) on it. The R code which I used to generate this figure is below:

```
library (vegan)
simull.spe <- read.delim
('https://raw.githubusercontent.com/zdealveindy/anadat-r/master/data/simull-
spe.txt', row.names = 1)
#png (width = 128, height = 98, bg = NA)
par (mar = c (2,2,1,1))
ordiplot (rda (log1p (simull.spe)), display = 'si', axes = F, type = 'n')
points (rda (log1p(simull.spe)), bg= 'white', pch = 3, col = 'red', cex =
.7)
title (xlab = 'PCA1', line = .5, ylab = 'PCA2', cex.lab = 0.8)
#dev.off ()
```

(you may remove # to get *.png file with the exact size of logo and without white background)



From:

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

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<https://www.davidzeleny.net/anadat-r/doku.php/en:mix:logo>

Last update: **2018/03/30 23:04**