Řešení úlohy

```
# read data
library (labdsv)
data (bryceveg)
data (brycesite)

cca.bryce <- cca (bryceveg ~ elev + slope + av, data = brycesite)
cca.bryce
```

```
Call: cca(formula = bryceveg ~ elev + slope + av, data = brycesite)

              Inertia Proportion Rank
Total         10.8656     1.0000
Constrained    0.6976     0.0642    3
Unconstrained 10.1680     0.9358  147
Inertia is mean squared contingency coefficient

Eigenvalues for constrained axes:
   CCA1    CCA2    CCA3
0.51942 0.11098 0.06715

Eigenvalues for unconstrained axes:
   CA1    CA2    CA3    CA4    CA5    CA6    CA7    CA8
0.6912 0.5571 0.5278 0.4311 0.3752 0.3487 0.2900 0.2605
(Showed only 8 of all 147 unconstrained eigenvalues)
```

Všechny tři proměnné vysvětlí dohromady 6,4% variability (informace ve sloupečku `Proportion`, řádek `Constrained`).

Variance zachycená první, druhou a třetí osou (CCA1, CCA2, CCA3): 4.8, 1.0 a 0.6%. Variance zachycená první osou bez omezení (CA1) je 6.3%.

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

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