Introduction

- Introduction
- About R program
- Links to other materials
- Courses & workshops

Theory, R functions & Examples

- Overview of analyses
- Data types and import into R
- Preparation of data for analysis
- Sampling design
- Ecological resemblance
- **Ordination analysis**
    - PCA & tb-PCA
    - CA & DCA
    - PCoA & NMDS
    - RDA, tb-RDA, CCA & db-RDA
    - Ordination diagrams
    - Supplementary variables
    - Explained variation
    - Permutation test
    - Variable selection
    - Variation partitioning
- **Numerical classification**
    - Cluster analysis
    - TWINSPAN
    - K-means
    - Evaluation of classification
- **Diversity analysis**
    - Diversity indices
    - Comparing diversity
- **Species attributes**
    - CWM & fourth corner
    - CWM-RDA & RLQ
- References

Data & Functions

- **Example data**
- Functions from NumEcol with R
- Custom-built functions

Others

- Common confusions & mistakes

- Animation of ordination
- Artefacts in ordinations
- Logo (of heart)

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

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Last update: **2023/05/20 15:37**