Continuous variables → Manhattan distance matrix

Permutational multivariate analysis of variance (adonis)

Continuous variables, $P \leq 0.05$

OTU abundances → continuous variables

Spearman’s rank correlation tests

Pairwise correlation between continuous variables

OTU abundances ↔ continuous & categorical variables

Sparse partial least squares (sPLS) regression

OTUs with a correlation $>0.2$/$<0.2$

Canonical correspondence analysis (CCpNA)

Multi-table analyses & Clustering

Changes in individual continuous variables over time

Friedman tests & Kendall’s $W$

Supplemental univariate analyses

Jensen-Shannon distance matrix:
Partitioning around medoid (PAM) clustering into
Community state types (CSTs)

Supplemental clustering approach