

Spatial insurance in multi-trophic metacommunities

Romana Limberger, Alexandra Pitt, Martin W. Hahn, Stephen A. Wickham

File: diversity_biomass.csv

Columns are:

Day: Day of experiment

Dispersal: level of Dispersal treatment (with or without dispersal)

pH: level of pH treatment (ambient or low pH)

Block: ID of experimental block (1-4)

Variable and Value: Response variables with corresponding values

Bac richness: Diversity of bacteria (Number of OTUs)

Ciliate abundance: Abundance of ciliates (cells mL⁻¹)

Edible phyto: relative biovolume of edible phytoplankton

Macrozoo richness: Diversity of macrozooplankton (Number of taxa)

Macrozoo ind biomass: mean individual zooplankton biomass (µg)

Macrozoo total biomass: Total biomass of macrozooplankton (µg L⁻¹)

Phyto richness: Diversity of phytoplankton (Number of taxa)

Phyto total biomass: Total biovolume of phytoplankton (10⁶ µm³ mL⁻¹)

Zoo:Phyto: ratio of macrozooplankton biomass to phytoplankton biomass

File: phytoplankton_composition.csv

Day: Day of experiment

Dispersal: level of Dispersal treatment (with or without dispersal)

pH: level of pH treatment (ambient or low pH)

Block: ID of experimental block (1-4)

Biovolume data of phytoplankton taxa (unit: 10⁶ µm³ mL⁻¹)

File: zooplankton_composition.csv

Day: Day of experiment

Dispersal: level of Dispersal treatment (with or without dispersal)

pH: level of pH treatment (ambient or low pH)

Block: ID of experimental block (1-4)

Biomass data of zooplankton taxa (unit: µg L⁻¹)

File: bacteria_composition.csv

Day: Day of experiment

Dispersal: level of Dispersal treatment (with or without dispersal)

pH: level of pH treatment (ambient or low pH)

Block: ID of experimental block (1-4)

Bacterial OTUs (unit: relative peak area)