Table_S2

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R Markdown

This is an R Markdown document.

You can embed an R code chunk like this:

```
summary(cars)
```

```
##      speed           dist
##  Min.   : 4.0   Min.   :  2.00
##  1st Qu.:12.0   1st Qu.: 26.00
##  Median :15.0   Median : 36.00
##  Mean   :15.4   Mean   : 42.98
##  3rd Qu.:19.0   3rd Qu.: 56.00
##  Max.   :25.0   Max.   :120.00
```

Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.

Table 1: A simple longtable example

Datum (column header)	**Description**
sim	Unique identifier for the n^{th} simulation
time	computer clock time
ct	m^{th} time step of the n^{th} simulation
immigration.rate	Probability of an individual immigrating per time step
inflowing.res.dens	Number of resource particles inflowing per time step
N.types	Number of resource types
max.res.val	Greatest size of any inflowing resource particle
max.growth.rate	Maximum intrinsic growth rate for any species
max.met.maint	Maximum fraction of individual endogenous resources lost to metabolic maintanence per time step. A species-specific parameter.
max.active.dispersal	Maximum amount of distance traveled by any individual againt the direction of flow. A species-specific parameter.
starting.seed	Number of individuals that initially occupy the system. Default = 1.
V	Length of the environment
flow.rate	Units of V moved per time step
total.abundance	Number of individual organisms in the system.
active.total.abundance	Number of active individual organisms in the system.

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Datum (column header)	**Description**
dormant.total.abundance	Number of dormant individual organisms in the system.
ind.production	Number of individual organisms produced in the m^{th} time step.
resource.particles	Number of resource particles in the system.
resource.concentration	Number of resource particles for every unit of V.
resource.richness	Number of resource types present.
species.richness	Number of species present.
simpson.e	Simpson's measure of species evenness. Equitability of species abundances.
avg.pop.size	Mean population size among species.
pop.var	Variance in population size among species.
N.max	Abundance of the most abundant species.
logmod.skew	Log-modulo skewness of the frequency distribution of species abundances. A measure of species rarity.
whittakers.turnover	Whittaker's measure of species turnover between two time points, quantifying the percent turnover in species membership. Does not consider species abundances.
total.biomass	Mean biomass of individual organisms (i.e., size + endogenous resources).
avg.per.capita.growth	Mean per capita rate of intrinsic individual growth.
avg.per.capita.maint	Mean per capita rate of mass-specific active basal metabolic rate (BMR). Portion of individual endogenous resources lost per unit size, per time step.
avg.per.capita.efficiency	Mean per capita variance in resource efficiency. Resource efficiencies are species-specific.
avg.per.capita.active.dispersal	Mean per capita rate of active dispersal, i.e., portion of a unit of V that individuals can move against the direction of flow. Active dispersal rates are species-specific.
avg.per.capita.rpf	Mean per capita probability of randomly resuscitating from a metabolically dormant state. A species-specific trait.
avg.per.capita.mf	Mean per capita percent by which active BMR is decreased when individuals enter a metabolically dormant state. A species-specific trait.
avg.per.capita.size	Mean per capita body size. Does not include individuals' endogenous resources.
active.species.richness	Number of species in the metabolically active portion of the community.
active.simpson.e	Simpson's measure of species evenness within the metabolically active portion of the community.
active.avg.pop.size	Mean population size among species within the metabolically active portion of the community.

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Table 1 – *Continued from previous page*

Datum (column header)	**Description**
active.pop.var	Variance in population size among species within the metabolically active portion of the community.
active.N.max	Abundance of the most abundant species within the metabolically active portion of the community.
active.logmod.skew	Log-modulo skewness of the frequency distribution of species abundances within the metabolically active portion of the community. A measure of species rarity.
active.whittakers.turnover	Whittaker's measure of species turnover between two time points, quantifying the percent turnover in species membership within the metabolically active portion of the community. Does not consider species abundances.
active.total.biomass	Mean biomass of individual organisms (i.e., size + endogenous resources) within the metabolically active portion of the community.
active.avg.per.capita.growth	Mean per capita rate of intrinsic individual growth within the metabolically active portion of the community.
active.avg.per.capita.maint	Mean per capita rate of mass-specific active basal metabolic rate (BMR) within the metabolically active portion of the community. Portion of individual endogenous resources lost per unit size, per time step.
active.avg.per.capita.efficiency	Mean per capita variance in resource efficiency within the metabolically active portion of the community. Resource efficiencies are species-specific.
active.avg.per.capita.dispersal	Mean per capita rate of active dispersal within the metabolically active portion of the community, i.e., portion of a unit of V that active individuals can move against the direction of flow.
active.avg.per.capita.rpf	Mean per capita probability of randomly resuscitating from a metabolically dormant state for species within the metabolically active portion of the community. A species-specific trait.
active.avg.per.capita.mf	Mean per capita percent by which active BMR is decreased when individuals enter a metabolically dormant state. With respect to species within the metabolically active portion of the community. A species-specific trait.
active.avg.per.capita.size	Mean per capita body size within the metabolically active portion of the community. Does not include individuals' endogenous resources.
dormant.species.richness	Number of species in the dormant portion of the community.
dormant.simpson.e	Simpson's measure of species evenness within the dormant portion of the community.
dormant.avg.pop.size	Mean population size among species within the dormant portion of the community.
dormant.pop.var	Variance in population size among species within the dormant portion of the community.

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Table 1 – *Continued from previous page*

Datum (column header)	**Description**
dormant.N.max	Abundance of the most abundant species within the dormant portion of the community.
dormant.logmod.skew	Log-modulo skewness of the frequency distribution of species abundances within the dormant portion of the community. A measure of species rarity.
dormant.whittakers.turnover	Whittaker's measure of species turnover between two time points, quantifying the percent turnover in species membership within the dormant portion of the community. Does not consider species abundances.
dormant.total.biomass	Mean biomass of individual organisms (i.e., size + endogenous resources) within the dormant portion of the community.
dormant.avg.per.capita.growth	Mean per capita rate of intrinsic individual growth within the dormant portion of the community.
dormant.avg.per.capita.maint	Mean per capita rate of mass-specific active basal metabolic rate (BMR) within the dormant portion of the community. Portion of individual endogenous resources lost per unit size, per time step.
dormant.avg.per.capita.efficiency	Mean per capita variance in resource efficiency within the dormant portion of the community. Resource efficiencies are species-specific.
dormant.avg.per.capita.dispersal	Mean per capita rate of active dispersal within the dormant portion of the community, i.e., portion of a unit of V that active individuals can move against the direction of flow.
dormant.avg.per.capita.rpf	Mean per capita probability of randomly resuscitating from a metabolically dormant state for species within the dormant portion of the community. A species-specific trait.
dormant.avg.per.capita.mf	Mean per capita percent by which active BMR is decreased when individuals enter a metabolically dormant state. With respect to species within the dormant portion of the community. A species-specific trait.
dormant.avg.per.capita.size	Mean per capita body size within the dormant portion of the community. Does not include individuals' endogenous resources.
percent.dormant	Percent of individuals in the model that are in a metabolically inactive state of zero growth, zero active dispersal, zero reproduction, and decreased metabolic rate.
inflowing.res.rich	Number of resource types that can flow into the n^{th} model.
total.res	Sum of all resource particle sizes in the model.
efficiency	Mean variance in resource efficiency among species. Resource efficiencies are species-specific.
growth	Mean rate of intrinsic individual growth among species.
maint	Mean rate of mass-specific active basal metabolic rate (BMR) among species. The portion of endogenous resources lost per unit mass of an active individual, per unit time.

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Table 1 – *Continued from previous page*

Datum (column header)	**Description**
mf	Mean percent by which BMR is decreased when individuals transition to a dormant state.
rpf	Mean species-specific probability of dormant individuals randomly resuscitating to a metabolically active state.
dispersal	Mean fraction of a unit of V that individuals can move against the direction of flow.
active.efficiency	Mean variance in resource efficiency among species within the metabolically active portion of the community. Resource efficiencies are species-specific.
active.growth	Mean rate of intrinsic individual growth among species within the metabolically active portion of the community.
active.maint	Mean rate of mass-specific active basal metabolic rate (BMR) among species within the metabolically active portion of the community. The portion of endogenous resources lost per unit mass of an active individual, per unit time.
active.mf	Mean percent by which BMR is decreased when individuals within the metabolically active portion of the community transition to a dormant state.
active.rpf	Mean species-specific probability of dormant individuals randomly resuscitating to a metabolically active state. Here, with respect to individuals within the metabolically active portion of the community.
active.dispersal	Mean fraction of a unit of V that active individuals can move against the direction of flow. Here, with respect to individuals within the metabolically active portion of the community.
dormant.efficiency	Mean variance in resource efficiency among species within the dormant portion of the community. Resource efficiencies are species-specific.
dormant.growth	Mean rate of intrinsic individual growth among species within the dormant portion of the community.
dormant.mf	Mean percent by which BMR is decreased when active individuals transition to a dormant state. Here, with respect to individuals within the dormant portion of the community.
dormant.maint	Mean rate of mass-specific basal metabolic rate (BMR) among species within the dormant portion of the community. For each species, active BMR is decreased by a species-specific factor. The portion of endogenous resources lost per unit mass of a dormant individual, per unit time.
dormant.rpf	Mean species-specific probability of dormant individuals randomly resuscitating to a metabolically active state. Here, with respect to individuals within the dormant portion of the community.
dormant.dispersal	Mean fraction of a unit of V that active individuals can move against the direction of flow. Here, with respect to individuals within the dormant portion of the community.