tables\_output

David

2/3/2022

Tables for results printing

#knitr::opts\_chunk$set(echo = F)  
options(kableExtra.auto\_format = FALSE)  
library(kableExtra)

## Warning: package 'kableExtra' was built under R version 4.1.2

library(knitr)

## Warning: package 'knitr' was built under R version 4.1.2

# Richness  
Table\_result<- read.table("Table\_Results/Biol\_Rich\_STcon.txt", sep = ",")  
  
knitr::kable(Table\_result, caption = "Taxonomic Richness")%>%  
 kable\_styling(bootstrap\_options = "striped",full\_width = F, position="left")

## Warning in kable\_styling(., bootstrap\_options = "striped", full\_width = F, :  
## Please specify format in kable. kableExtra can customize either HTML or LaTeX  
## outputs. See https://haozhu233.github.io/kableExtra/ for details.

Taxonomic Richness

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Scenario | Dispersion | Fixed.effects | Value | Std.Error | DF | t.value | p.value |
| Scenario A1 | Active | Intercept | 2.365 | 0.306 | 17 | 7.718 | 0.000 |
| Scenario A1 | Active | STconmat | -0.191 | 0.314 | 17 | -0.607 | 0.552 |
| Scenario A2 | Active | Intercept | 2.517 | 0.294 | 17 | 8.555 | 0.000 |
| Scenario A2 | Active | STconmat | -0.049 | 0.030 | 17 | -1.618 | 0.124 |
| Scenario B1 | Active | Intercept | 0.834 | 0.584 | 17 | 1.428 | 0.172 |
| Scenario B1 | Active | STconmat | 0.781 | 0.308 | 17 | 2.538 | 0.021 |
| Scenario B2 | Active | Intercept | 0.788 | 2.350 | 17 | 0.335 | 0.742 |
| Scenario B2 | Active | STconmat | 0.157 | 0.248 | 17 | 0.631 | 0.537 |
| Scenario A1 | Passive | Intercept | 2.654 | 0.218 | 17 | 12.178 | 0.000 |
| Scenario A1 | Passive | STconmat | -0.115 | 0.210 | 17 | -0.545 | 0.593 |
| Scenario A2 | Passive | Intercept | 2.855 | 0.207 | 17 | 13.767 | 0.000 |
| Scenario A2 | Passive | STconmat | -0.050 | 0.018 | 17 | -2.832 | 0.011 |
| Scenario B1 | Passive | Intercept | 1.518 | 0.397 | 17 | 3.820 | 0.001 |
| Scenario B1 | Passive | STconmat | 0.588 | 0.209 | 17 | 2.809 | 0.012 |
| Scenario B2 | Passive | Intercept | 0.426 | 1.648 | 17 | 0.259 | 0.799 |
| Scenario B2 | Passive | STconmat | 0.230 | 0.174 | 17 | 1.324 | 0.203 |

# ShannonWiener  
Table\_result<- read.table("Table\_Results/Biol\_ShaWei\_STcon.txt", sep = ",")  
  
knitr::kable(Table\_result, caption = "Shannon-Wiener diversity")%>%  
 kable\_styling(bootstrap\_options = "striped",full\_width = F, position="left")

## Warning in kable\_styling(., bootstrap\_options = "striped", full\_width = F, :  
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Shannon-Wiener diversity

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Scenario | Dispersion | Fixed.effects | Value | Std.Error | DF | t.value | p.value |
| Scenario A1 | Active | Intercept | 0.821 | 0.129 | 17 | 6.382 | 0.000 |
| Scenario A1 | Active | STconmat | 0.110 | 0.152 | 17 | 0.728 | 0.477 |
| Scenario A2 | Active | Intercept | 0.883 | 0.131 | 17 | 6.727 | 0.000 |
| Scenario A2 | Active | STconmat | 0.000 | 0.016 | 17 | -0.017 | 0.987 |
| Scenario B1 | Active | Intercept | 0.251 | 0.272 | 17 | 0.921 | 0.370 |
| Scenario B1 | Active | STconmat | 0.343 | 0.144 | 17 | 2.389 | 0.029 |
| Scenario B2 | Active | Intercept | 1.528 | 1.025 | 17 | 1.490 | 0.154 |
| Scenario B2 | Active | STconmat | -0.069 | 0.108 | 17 | -0.634 | 0.534 |
| Scenario A1 | Passive | Intercept | 0.867 | 0.105 | 17 | 8.263 | 0.000 |
| Scenario A1 | Passive | STconmat | 0.089 | 0.095 | 17 | 0.940 | 0.360 |
| Scenario A2 | Passive | Intercept | 0.899 | 0.105 | 17 | 8.568 | 0.000 |
| Scenario A2 | Passive | STconmat | 0.003 | 0.010 | 17 | 0.339 | 0.739 |
| Scenario B1 | Passive | Intercept | 0.470 | 0.218 | 17 | 2.155 | 0.046 |
| Scenario B1 | Passive | STconmat | 0.246 | 0.115 | 17 | 2.145 | 0.047 |
| Scenario B2 | Passive | Intercept | 0.705 | 0.776 | 17 | 0.909 | 0.376 |
| Scenario B2 | Passive | STconmat | 0.022 | 0.082 | 17 | 0.274 | 0.788 |

# Trait abund.  
Table\_result<- read.table("Table\_Results/Biol\_TraitAb\_STcon.txt", sep = ",")  
  
knitr::kable(Table\_result, caption = "Trait abundance")%>%  
 kable\_styling(bootstrap\_options = "striped",full\_width = F, position="left")

## Warning in kable\_styling(., bootstrap\_options = "striped", full\_width = F, :  
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## outputs. See https://haozhu233.github.io/kableExtra/ for details.

Trait abundance

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Scenario | Dispersion | Fixed.effects | Value | Std.Error | DF | t.value | p.value |
| Scenario A1 | Active | Intercept | 0.210 | 0.013 | 17 | 15.907 | 0.000 |
| Scenario A1 | Active | STconmat | 0.008 | 0.020 | 17 | 0.378 | 0.710 |
| Scenario A2 | Active | Intercept | 0.192 | 0.012 | 17 | 15.379 | 0.000 |
| Scenario A2 | Active | STconmat | 0.004 | 0.002 | 17 | 2.148 | 0.046 |
| Scenario B1 | Active | Intercept | 0.231 | 0.030 | 17 | 7.607 | 0.000 |
| Scenario B1 | Active | STconmat | -0.009 | 0.016 | 17 | -0.565 | 0.580 |
| Scenario B2 | Active | Intercept | 0.249 | 0.084 | 17 | 2.963 | 0.009 |
| Scenario B2 | Active | STconmat | -0.004 | 0.009 | 17 | -0.418 | 0.681 |
| Scenario A1 | Passive | Intercept | 0.293 | 0.018 | 17 | 15.866 | 0.000 |
| Scenario A1 | Passive | STconmat | 0.015 | 0.021 | 17 | 0.717 | 0.483 |
| Scenario A2 | Passive | Intercept | 0.314 | 0.018 | 17 | 17.070 | 0.000 |
| Scenario A2 | Passive | STconmat | -0.003 | 0.002 | 17 | -1.222 | 0.238 |
| Scenario B1 | Passive | Intercept | 0.203 | 0.043 | 17 | 4.686 | 0.000 |
| Scenario B1 | Passive | STconmat | 0.054 | 0.023 | 17 | 2.362 | 0.030 |
| Scenario B2 | Passive | Intercept | 0.467 | 0.137 | 17 | 3.418 | 0.003 |
| Scenario B2 | Passive | STconmat | -0.018 | 0.014 | 17 | -1.220 | 0.239 |

# Jaccard  
Table\_result<- read.table("Table\_Results/Biol\_BrayC\_STconmat.txt", sep = ",")  
  
knitr::kable(Table\_result, caption = "Jaccard")%>%  
 kable\_styling(bootstrap\_options = "striped",full\_width = F, position="left")

## Warning in kable\_styling(., bootstrap\_options = "striped", full\_width = F, :  
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Jaccard

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Scenario | Dispersion | Fixed.effects | Value | Std.Error | DF | t.value | p.value |
| Scenario A1 | Active | Intercept | 0.631 | 0.080 | 30 | 7.898 | 0.000 |
| Scenario A1 | Active | STconmat | -0.134 | 0.099 | 30 | -1.354 | 0.186 |
| Scenario A2 | Active | Intercept | 0.342 | 0.124 | 30 | 2.759 | 0.010 |
| Scenario A2 | Active | STconmat | 0.027 | 0.015 | 30 | 1.834 | 0.077 |
| Scenario B1 | Active | Intercept | 0.754 | 0.098 | 30 | 7.693 | 0.000 |
| Scenario B1 | Active | STconmat | -0.262 | 0.110 | 30 | -2.380 | 0.024 |
| Scenario B2 | Active | Intercept | 0.244 | 0.130 | 30 | 1.872 | 0.071 |
| Scenario B2 | Active | STconmat | 0.041 | 0.016 | 30 | 2.522 | 0.017 |
| Scenario A1 | Passive | Intercept | 0.443 | 0.038 | 30 | 11.730 | 0.000 |
| Scenario A1 | Passive | STconmat | -0.041 | 0.053 | 30 | -0.775 | 0.444 |
| Scenario A2 | Passive | Intercept | 0.302 | 0.074 | 30 | 4.061 | 0.000 |
| Scenario A2 | Passive | STconmat | 0.015 | 0.010 | 30 | 1.589 | 0.122 |
| Scenario B1 | Passive | Intercept | 0.445 | 0.049 | 30 | 9.067 | 0.000 |
| Scenario B1 | Passive | STconmat | -0.036 | 0.059 | 30 | -0.607 | 0.549 |
| Scenario B2 | Passive | Intercept | 0.283 | 0.083 | 30 | 3.401 | 0.002 |
| Scenario B2 | Passive | STconmat | 0.018 | 0.011 | 30 | 1.657 | 0.108 |

# BrayCurtis  
Table\_result<- read.table("Table\_Results/Biol\_Jacc\_STconmat.txt", sep = ",")  
  
knitr::kable(Table\_result, caption = "Bray-Curtis")%>%  
 kable\_styling(bootstrap\_options = "striped",full\_width = F, position="left")

## Warning in kable\_styling(., bootstrap\_options = "striped", full\_width = F, :  
## Please specify format in kable. kableExtra can customize either HTML or LaTeX  
## outputs. See https://haozhu233.github.io/kableExtra/ for details.

Bray-Curtis

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Scenario | Dispersion | Fixed.effects | Value | Std.Error | DF | t.value | p.value |
| Scenario A1 | Active | Intercept | 0.766 | 0.068 | 30 | 11.221 | 0.000 |
| Scenario A1 | Active | STconmat | -0.119 | 0.085 | 30 | -1.399 | 0.172 |
| Scenario A2 | Active | Intercept | 0.454 | 0.103 | 30 | 4.404 | 0.000 |
| Scenario A2 | Active | STconmat | 0.031 | 0.012 | 30 | 2.575 | 0.015 |
| Scenario B1 | Active | Intercept | 0.833 | 0.084 | 30 | 9.915 | 0.000 |
| Scenario B1 | Active | STconmat | -0.180 | 0.095 | 30 | -1.883 | 0.069 |
| Scenario B2 | Active | Intercept | 0.382 | 0.108 | 30 | 3.538 | 0.001 |
| Scenario B2 | Active | STconmat | 0.042 | 0.013 | 30 | 3.110 | 0.004 |
| Scenario A1 | Passive | Intercept | 0.611 | 0.070 | 30 | 8.680 | 0.000 |
| Scenario A1 | Passive | STconmat | -0.058 | 0.080 | 30 | -0.727 | 0.473 |
| Scenario A2 | Passive | Intercept | 0.305 | 0.098 | 30 | 3.099 | 0.004 |
| Scenario A2 | Passive | STconmat | 0.036 | 0.010 | 30 | 3.563 | 0.001 |
| Scenario B1 | Passive | Intercept | 0.490 | 0.087 | 30 | 5.646 | 0.000 |
| Scenario B1 | Passive | STconmat | 0.105 | 0.094 | 30 | 1.114 | 0.274 |
| Scenario B2 | Passive | Intercept | 0.354 | 0.108 | 30 | 3.259 | 0.003 |
| Scenario B2 | Passive | STconmat | 0.030 | 0.013 | 30 | 2.400 | 0.023 |