

Community Analysis Hymenoptera

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Data

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

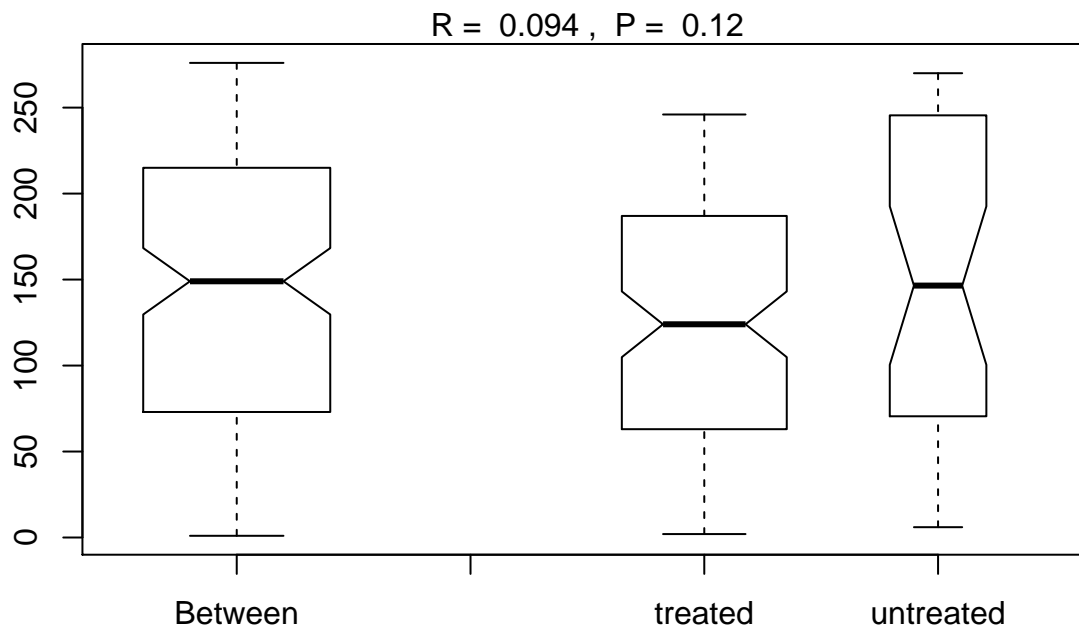


Figure 1: Anosim analysis between Treated and Untreated Fields

NMDS Treated Untreated

NMDS Management Areas

Alpha diversity

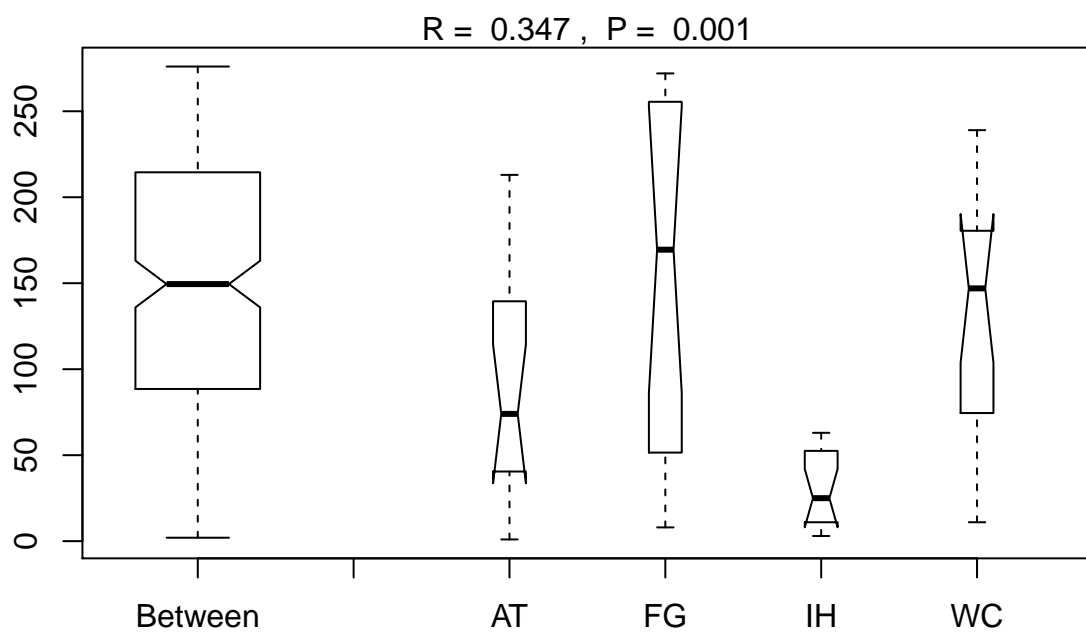


Figure 2: Anosim analysis between different management areas

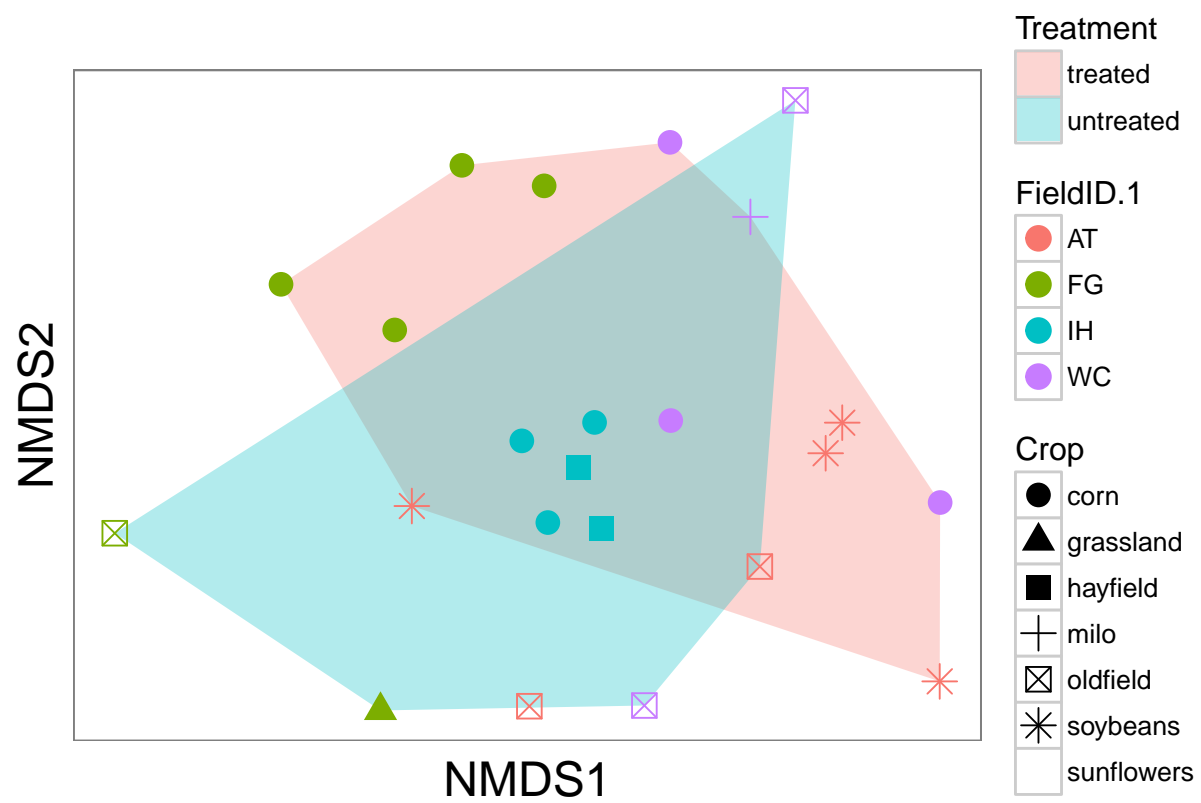


Figure 3: Multidimensional Scaling Showing the Overlap of communities between treated and untreated areas

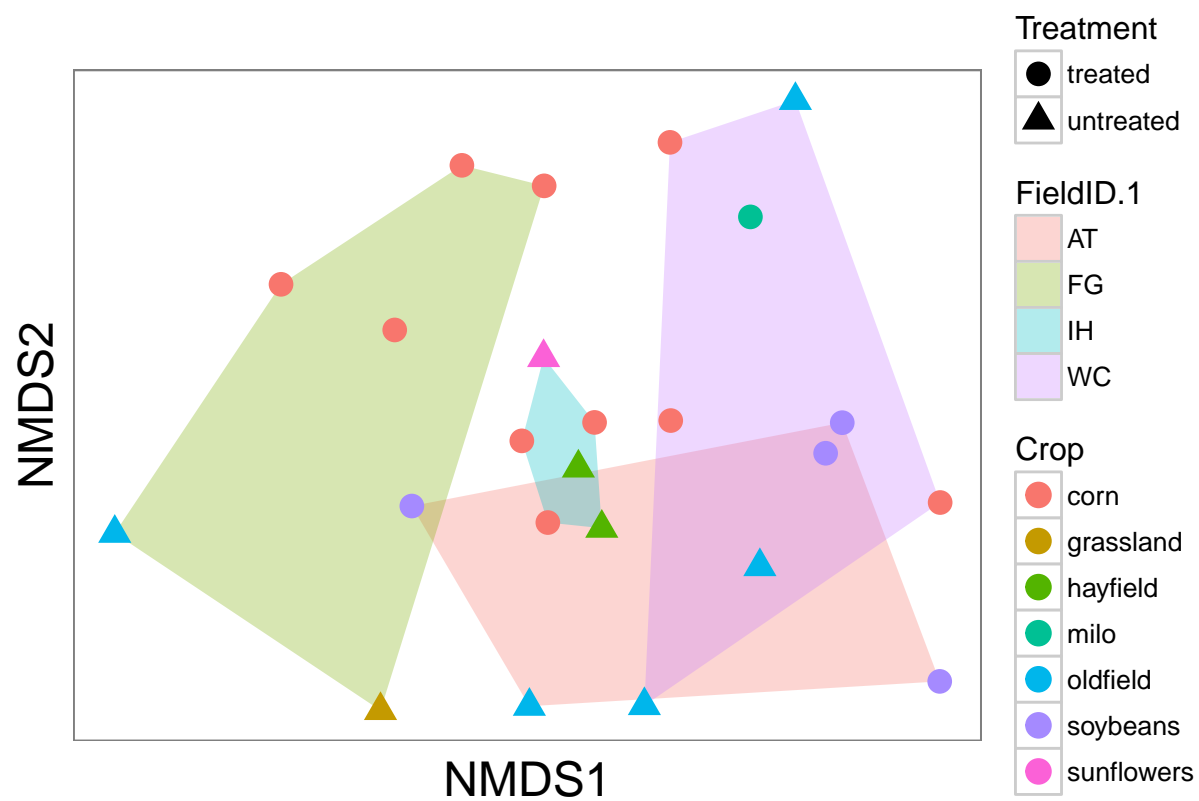


Figure 4: Multidimensional Scaling Showing the Overlap of communities between Management Areas

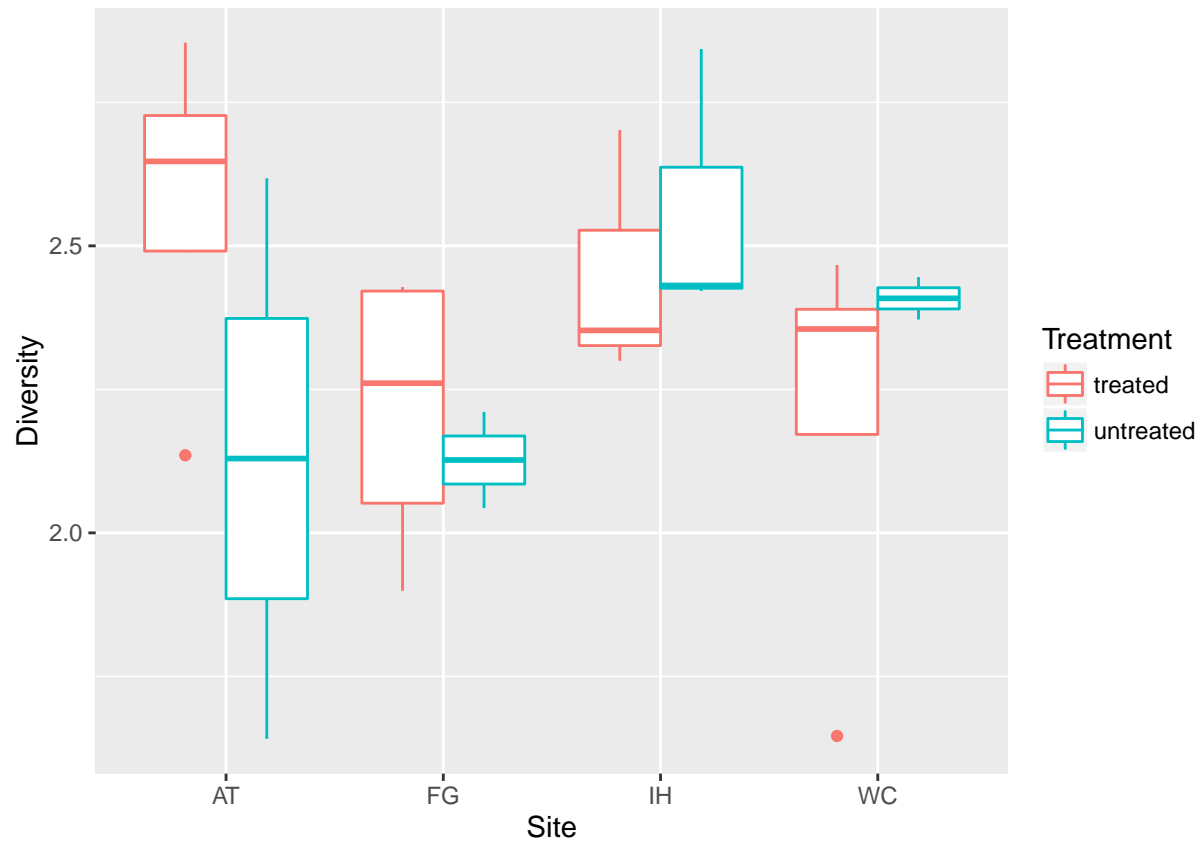


Figure 5: Alpha diversity grouped by site and Treatment

Site	Treatment	Mean	SD
AT	treated	2.570908	0.3079648
AT	untreated	2.129469	0.6904591
FG	treated	2.212195	0.2578896
FG	untreated	2.126911	0.1183964
IH	treated	2.451415	0.2184106
IH	untreated	2.565135	0.2406546
WC	treated	2.205809	0.3768459
WC	untreated	2.408595	0.0521983

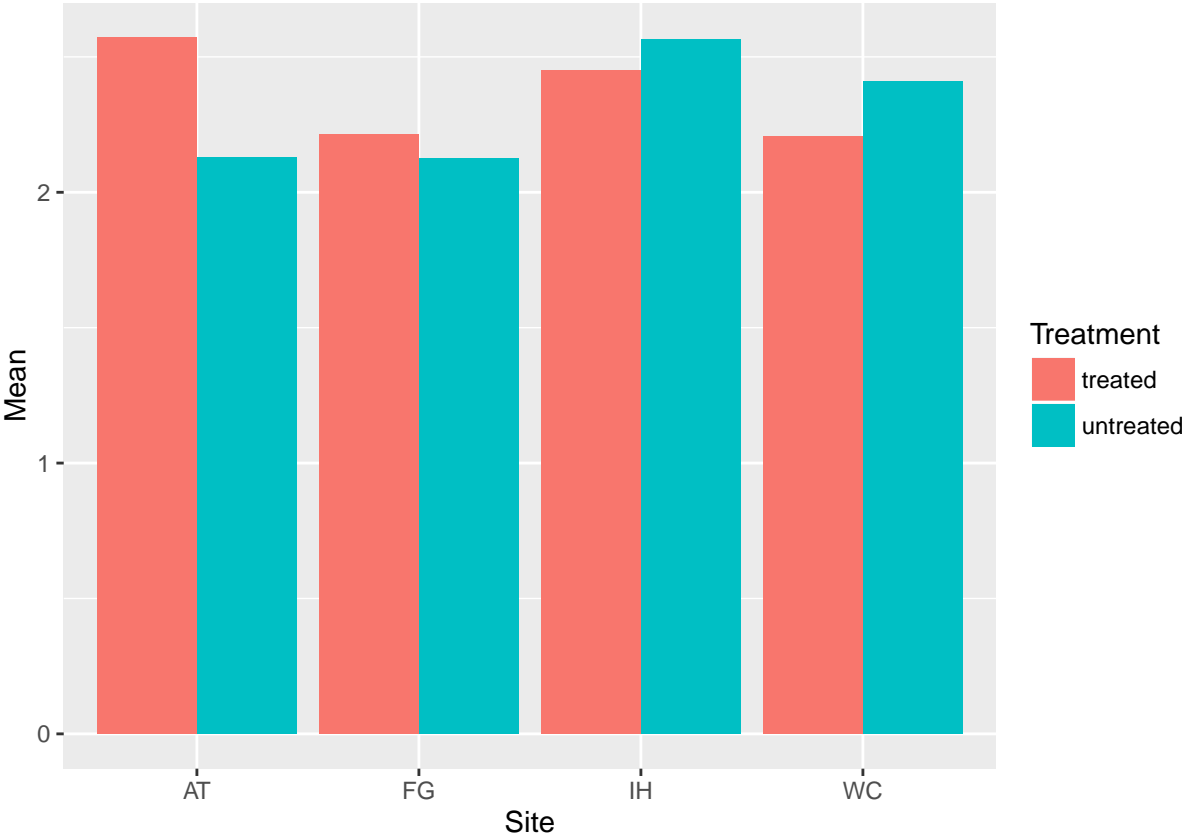


Figure 6: Alpha diversity grouped by site and Treatment

```
## Initialization...
## TASK: Exhaustive screening of candidate set.
## Fitting...
## Completed.
```

model	aicc	weights
Diversity ~ 1	16.83466	0.7135032
Diversity ~ 1 + Treatment	19.44487	0.1934615
Diversity ~ 1 + Site	21.30197	0.0764419
Diversity ~ 1 + Site + Treatment	24.75716	0.0135845

model	aicc	weights
Diversity ~ 1 + Crop	30.05238	0.0009621
Diversity ~ 1 + Treatment + Crop	30.05238	0.0009621
Diversity ~ 1 + Treatment + Crop + Crop:Treatment	30.05238	0.0009621
Diversity ~ 1 + Site + Treatment + Treatment:Site	34.19394	0.0001213
Diversity ~ 1 + Site + Crop	45.49101	0.0000004
Diversity ~ 1 + Site + Treatment + Crop	45.49101	0.0000004
Diversity ~ 1 + Site + Treatment + Crop + Crop:Treatment	45.49101	0.0000004
Diversity ~ 1 + Site + Crop + Crop:Site	52.17588	0.0000000
Diversity ~ 1 + Site + Treatment + Crop + Crop:Site	52.17588	0.0000000
Diversity ~ 1 + Site + Treatment + Crop + Crop:Site + Crop:Treatment	52.17588	0.0000000
Diversity ~ 1 + Site + Treatment + Crop + Treatment:Site	52.17588	0.0000000
Diversity ~ 1 + Site + Treatment + Crop + Treatment:Site + Crop:Site	52.17588	0.0000000
Diversity ~ 1 + Site + Treatment + Crop + Treatment:Site + Crop:Treatment	52.17588	0.0000000
Diversity ~ 1 + Site + Treatment + Crop + Treatment:Site + Crop:Site + Crop:Treatment	52.17588	0.0000000

% Table created by stargazer v.5.2 by Marek Hlavac, Harvard University. E-mail: hlavac at fas.harvard.edu
 % Date and time: Wed, Oct 05, 2016 - 3:18:15 PM

Table 3:

	<i>Dependent variable:</i>
	Diversity
Treatmentuntreated	−0.031 (0.171)
Constant	2.390*** (0.118)
Observations	24
Log Likelihood	−8.758
Akaike Inf. Crit.	27.516
Bayesian Inf. Crit.	33.406
<i>Note:</i>	*p<0.1; **p<0.05; ***p<0.01