

Functional Diversity Data Summary

Grace Pratt

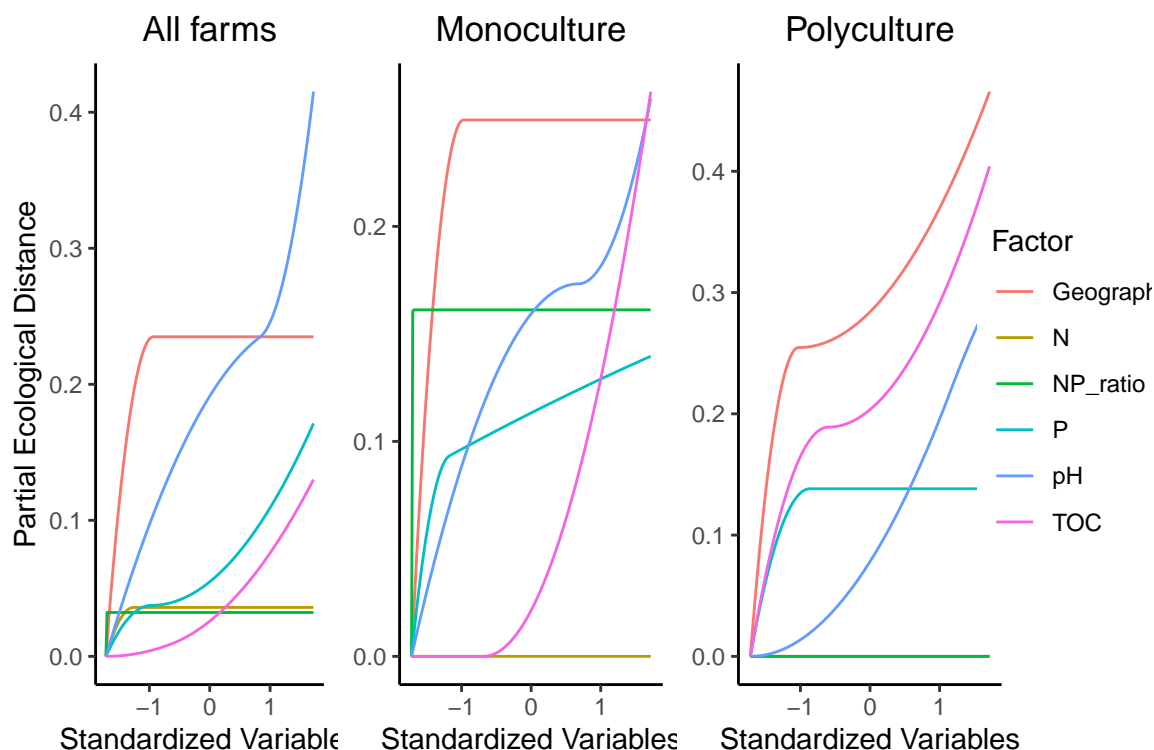
5/21/2020

ALL FUNGI

##	Predictors	Coefficients
## 1	Geographic	0.23493379
## 2	pH	0.42166575
## 3	P	0.17296745
## 4	TOC	0.13144304
## 5	N	0.03599873
## 6	NP_ratio	0.03224491
## 7	Percent Deviance Explained	23.52121049

##	Predictors	Coefficients
## 1	Geographic	0.2494917
## 2	pH	0.2623261
## 3	P	0.1398516
## 4	TOC	0.2664581
## 5	N	0.0000000
## 6	NP_ratio	0.1611733
## 7	Percent Deviance Explained	37.9294239

##	Predictors	Coefficients
## 1	Geographic	0.4683307
## 2	pH	0.2959810
## 3	P	0.1381967
## 4	TOC	0.4072622
## 5	N	0.0000000
## 6	NP_ratio	0.0000000
## 7	Percent Deviance Explained	46.0710622

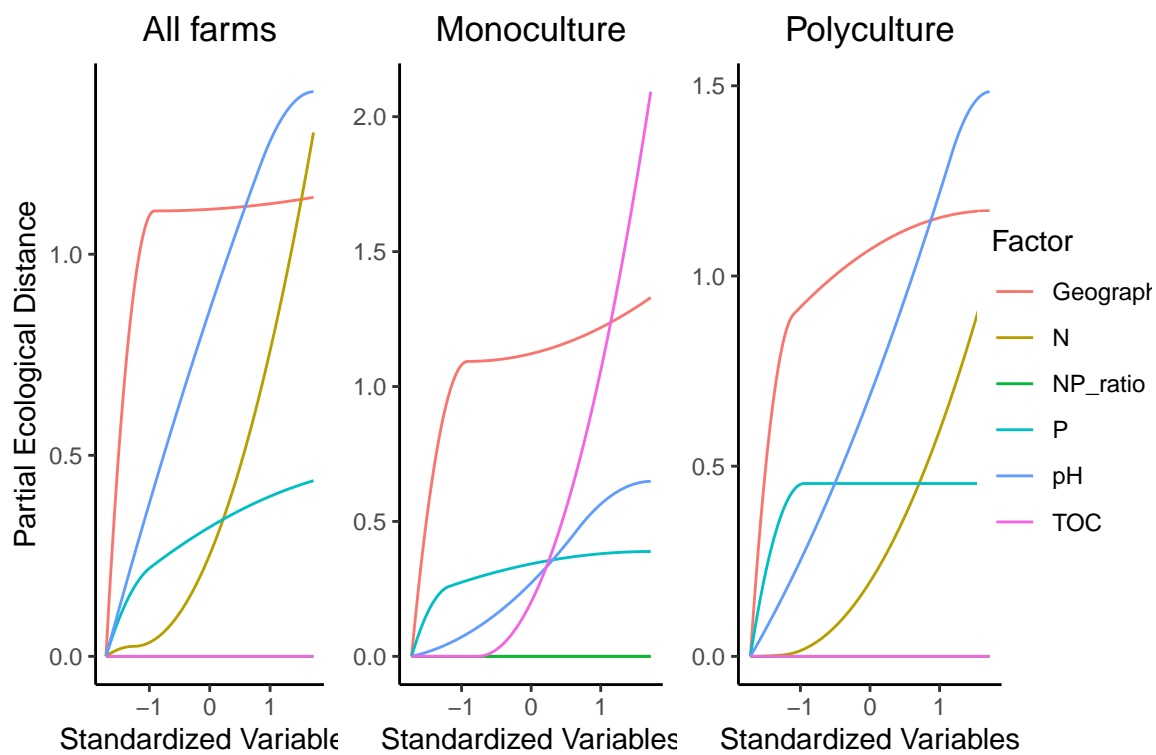


AMF FUNCTIONAL GROUP

```
##          Predictors Coefficients
## 1          Geographic  1.1420410
## 2              pH     1.4044242
## 3              P      0.4376559
## 4              TOC     0.0000000
## 5              N      1.3176671
## 6          NP_ratio    0.0000000
## 7 Percent Deviance Explained  14.3118263

##          Predictors Coefficients
## 1          Geographic  1.3329127
## 2              pH     0.6487356
## 3              P      0.3885961
## 4              TOC     2.1219492
## 5              N      0.0000000
## 6          NP_ratio    0.0000000
## 7 Percent Deviance Explained  15.7222275

##          Predictors Coefficients
## 1          Geographic  1.171523
## 2              pH     1.484823
## 3              P      0.454472
## 4              TOC     0.000000
## 5              N      1.024876
## 6          NP_ratio    0.000000
## 7 Percent Deviance Explained  20.022538
```

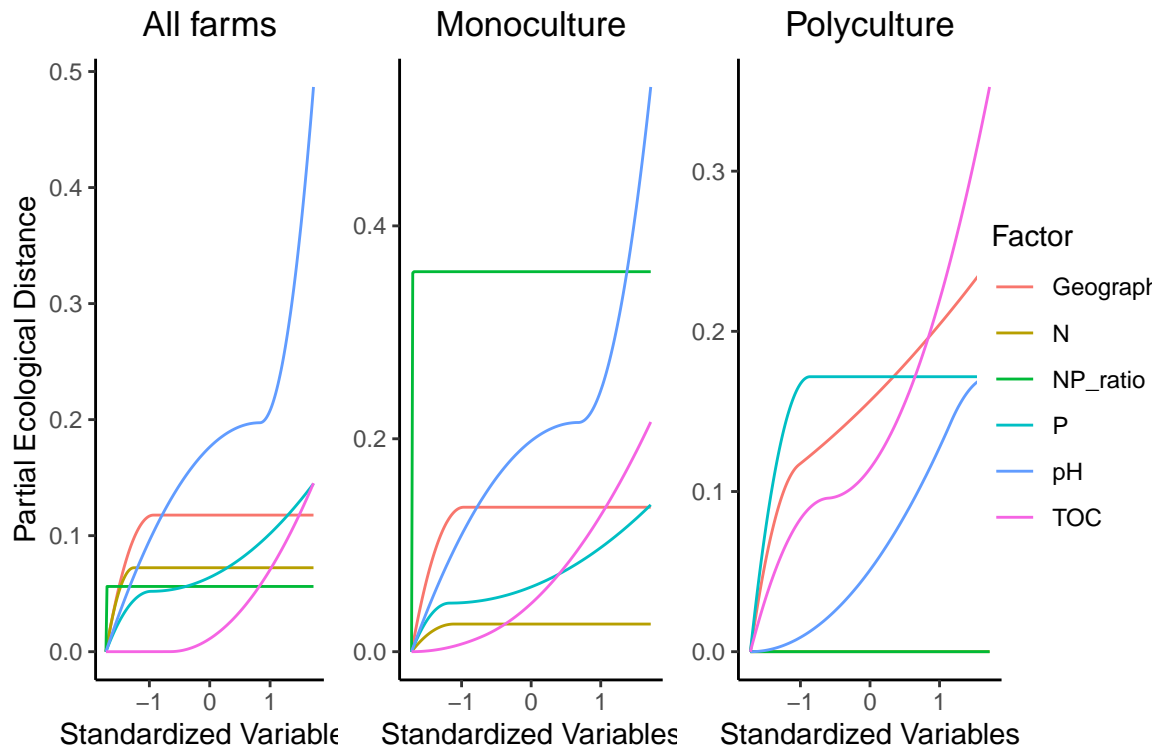


PLANT PATHOGENS

```
## Predictors Coefficients
## 1 Geographic 0.11772271
## 2 pH 0.49805694
## 3 P 0.14597519
## 4 TOC 0.14735548
## 5 N 0.07235028
## 6 NP_ratio 0.05622265
## 7 Percent Deviance Explained 11.14974917
```

```
## Predictors Coefficients
## 1 Geographic 0.13570632
## 2 pH 0.54105479
## 3 P 0.13902491
## 4 TOC 0.21819627
## 5 N 0.02595778
## 6 NP_ratio 0.35694942
## 7 Percent Deviance Explained 33.21564709
```

```
## Predictors Coefficients
## 1 Geographic 0.2450483
## 2 pH 0.1716905
## 3 P 0.1716697
## 4 TOC 0.3563473
## 5 N 0.0000000
## 6 NP_ratio 0.0000000
## 7 Percent Deviance Explained 22.2517718
```

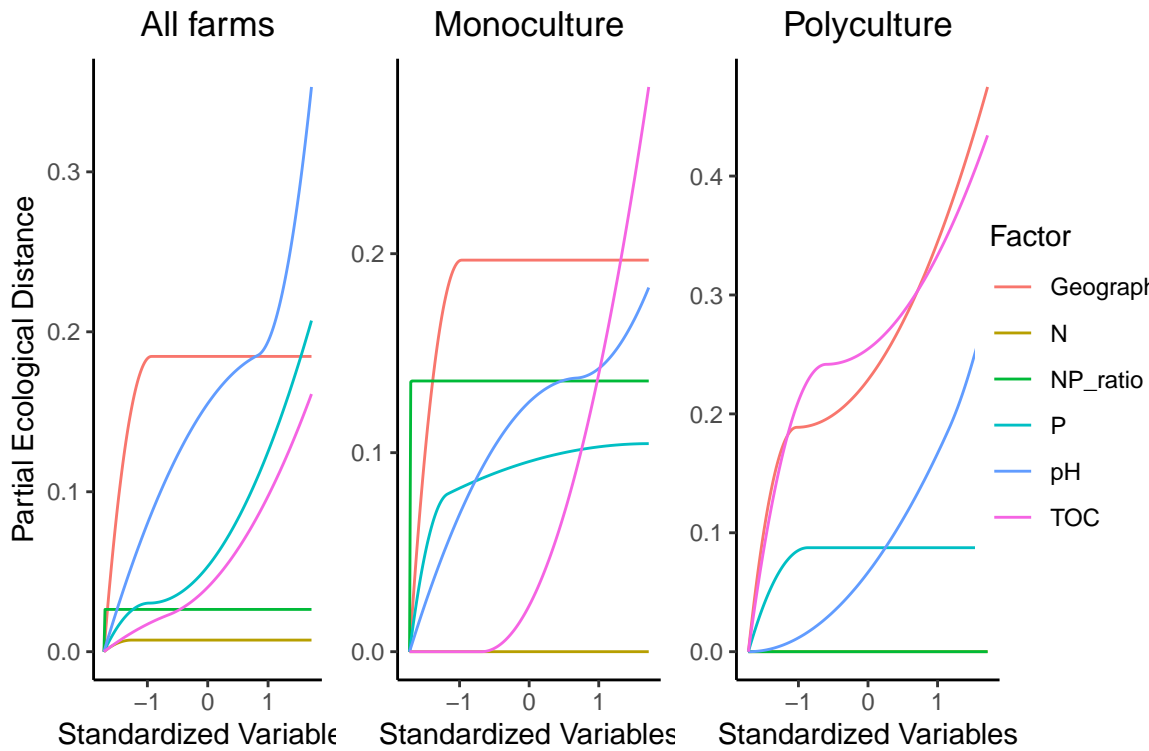


SAPROTROPHS

##	Predictors	Coefficients
## 1	Geographic	0.18460890
## 2	pH	0.35933185
## 3	P	0.20927755
## 4	TOC	0.16285305
## 5	N	0.00725989
## 6	NP_ratio	0.02643250
## 7	Percent Deviance Explained	17.06990738

##	Predictors	Coefficients
## 1	Geographic	0.1967693
## 2	pH	0.1844701
## 3	P	0.1045594
## 4	TOC	0.2878780
## 5	N	0.0000000
## 6	NP_ratio	0.1360407
## 7	Percent Deviance Explained	30.2507243

##	Predictors	Coefficients
## 1	Geographic	0.47854947
## 2	pH	0.29672471
## 3	P	0.08745943
## 4	TOC	0.43711100
## 5	N	0.00000000
## 6	NP_ratio	0.00000000
## 7	Percent Deviance Explained	39.57684189

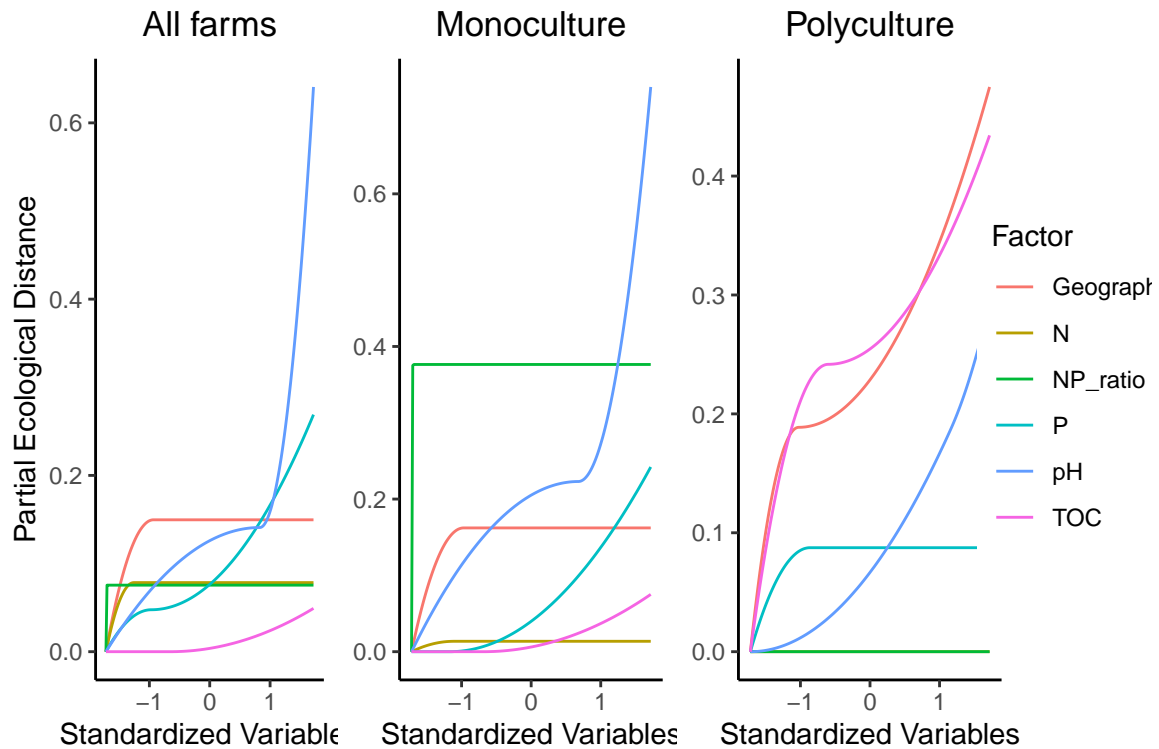


FUNGAL PARASITE

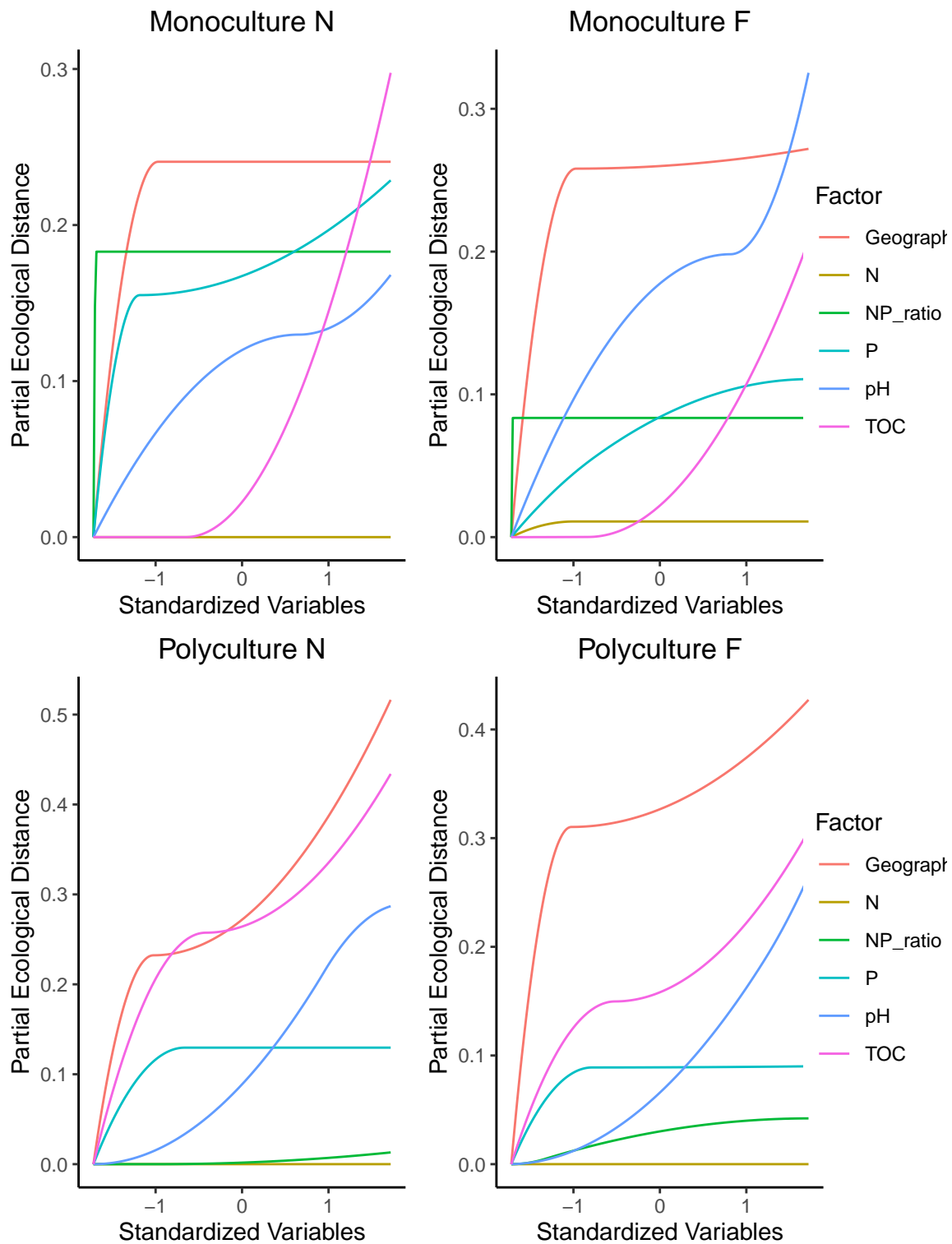
```
## Predictors Coefficients
## 1 Geographic 0.14963239
## 2 pH 0.66033953
## 3 P 0.27182604
## 4 TOC 0.04986160
## 5 N 0.07841128
## 6 NP_ratio 0.07548854
## 7 Percent Deviance Explained 11.23764778
```

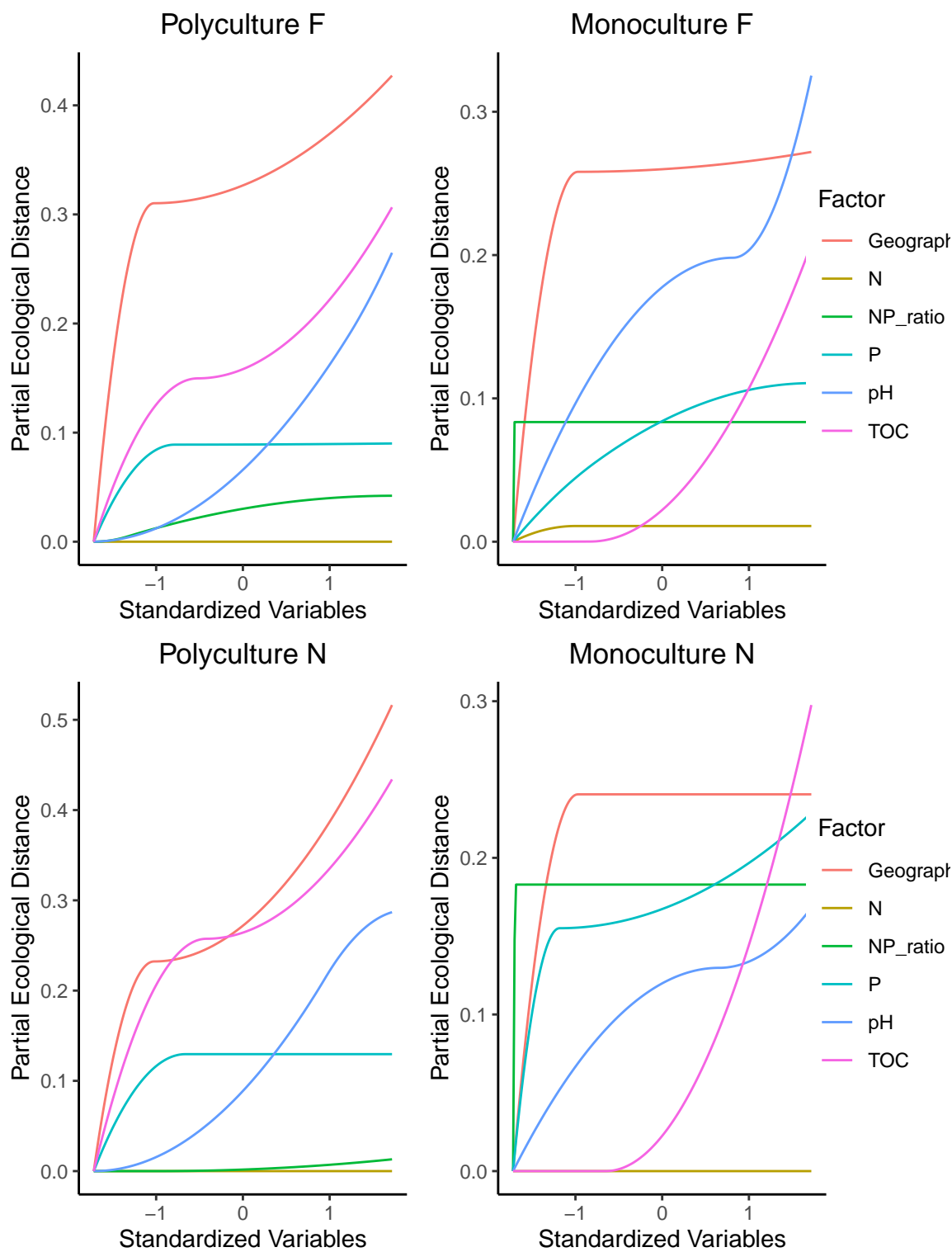
```
## Predictors Coefficients
## 1 Geographic 0.16219013
## 2 pH 0.75741315
## 3 P 0.24496451
## 4 TOC 0.07617834
## 5 N 0.01362458
## 6 NP_ratio 0.37639233
## 7 Percent Deviance Explained 28.87434446
```

```
## Predictors Coefficients
## 1 Geographic 0.35461896
## 2 pH 0.16193637
## 3 P 0.19093089
## 4 TOC 0.29053125
## 5 N 0.01343859
## 6 NP_ratio 0.00000000
## 7 Percent Deviance Explained 13.98470385
```

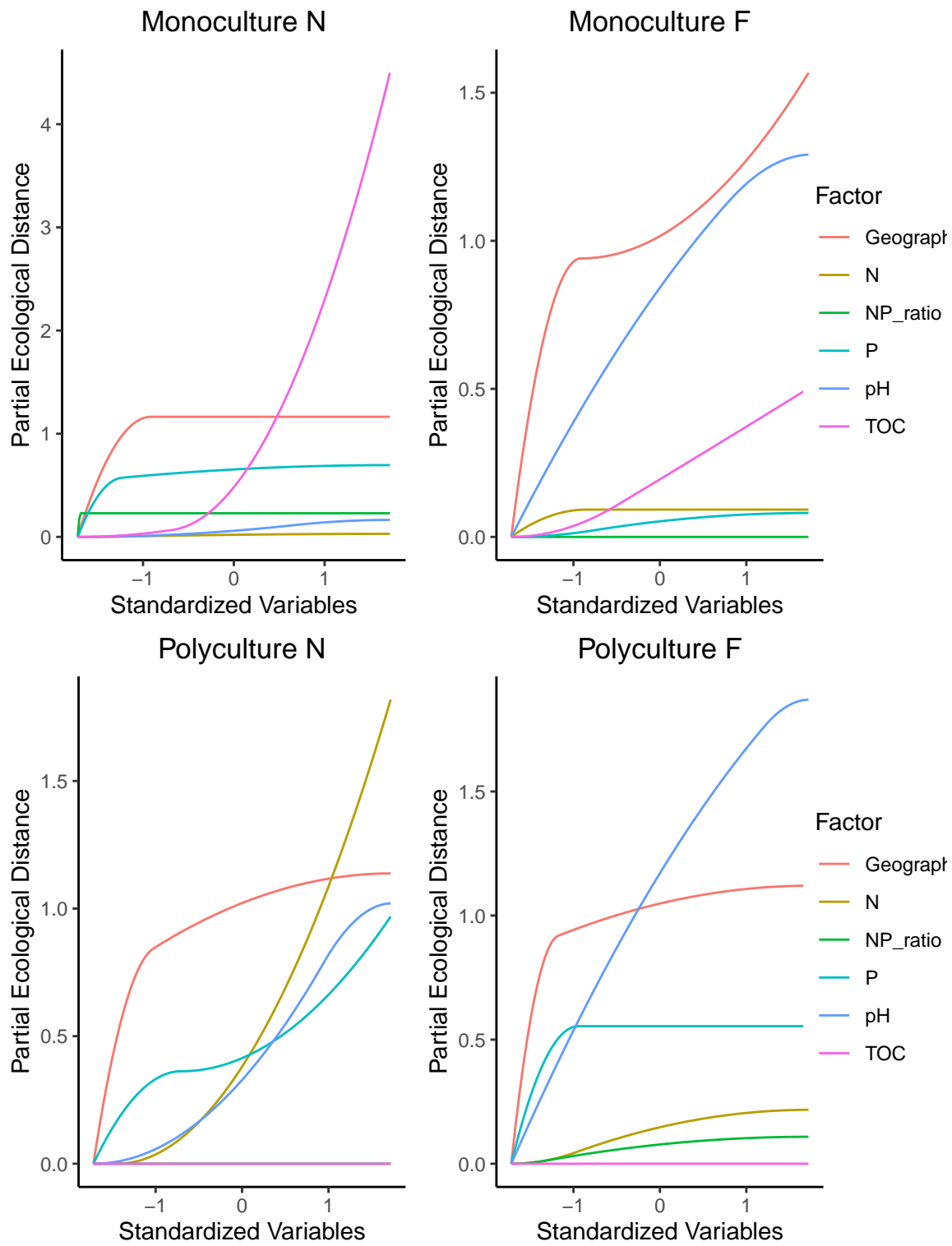


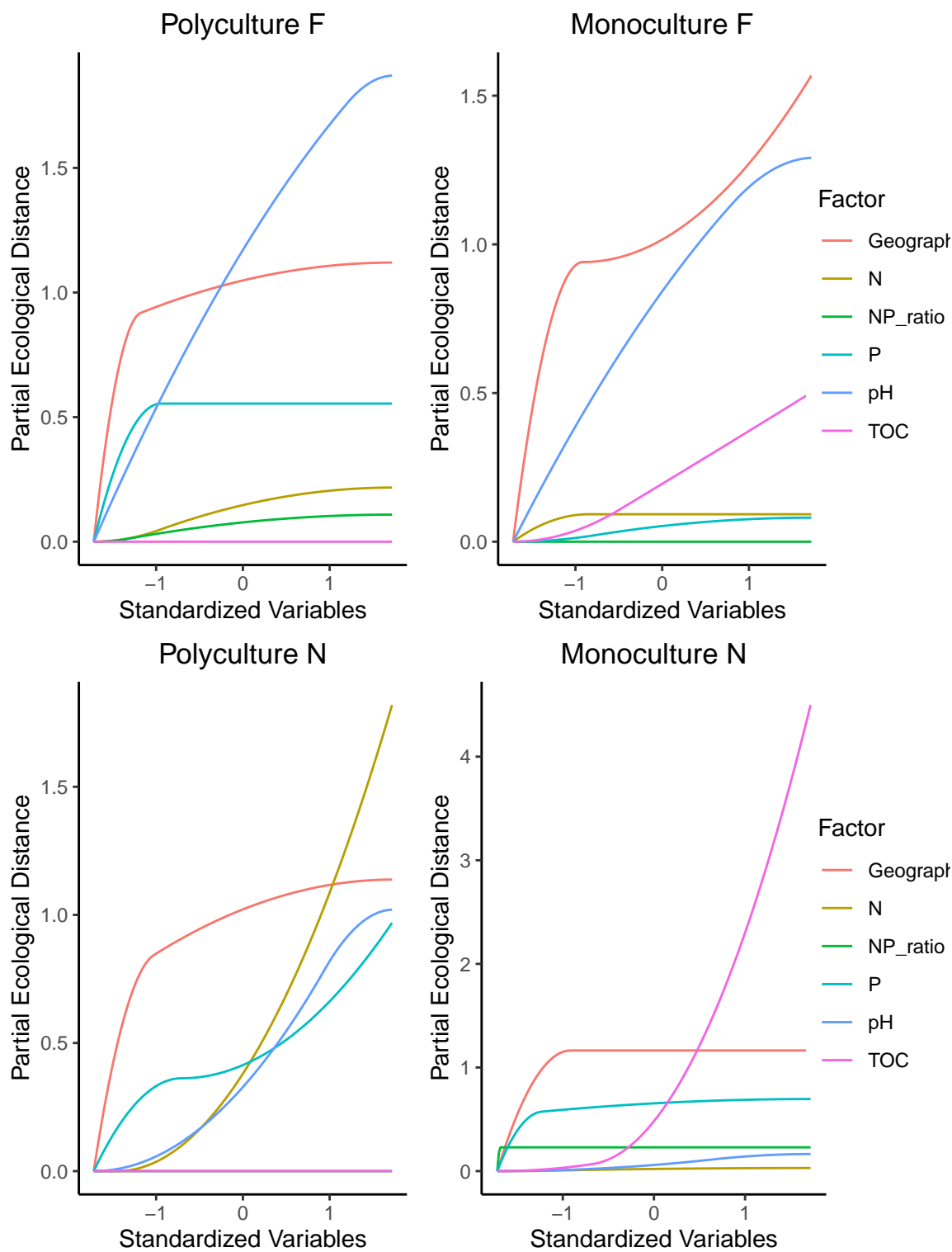
All Fungi FTBL Groups





AMF FTBL Groups

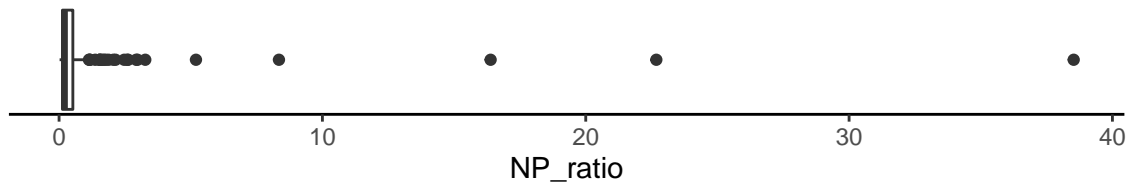




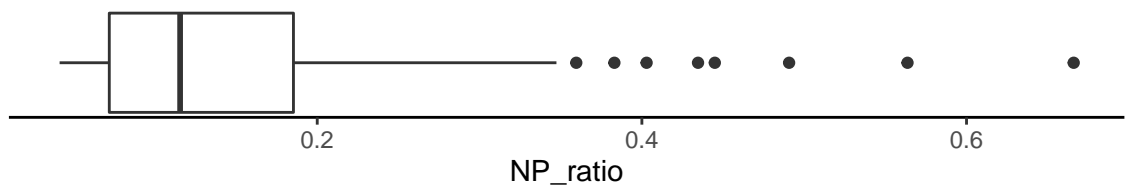
Box Plots of environmental range

NP Ratio

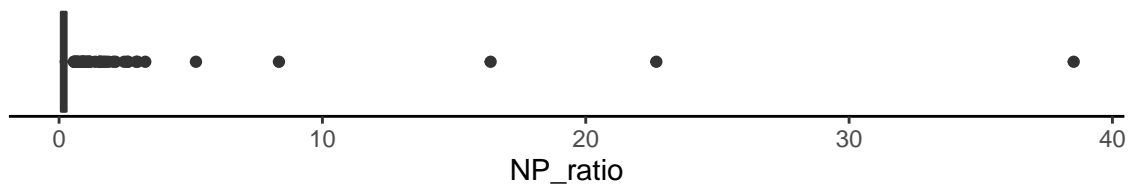
Monocultures



Polycultures

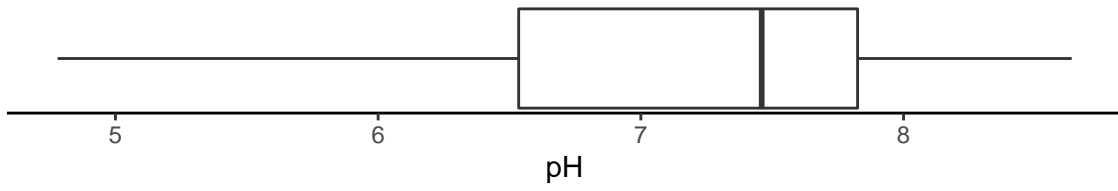


All farms

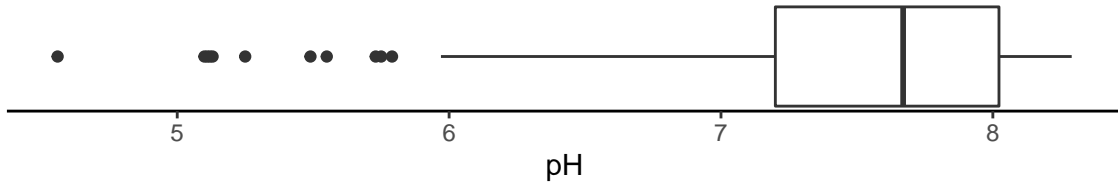


pH

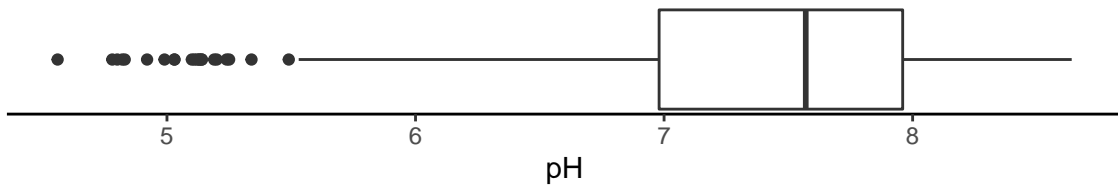
Monocultures



Polycultures

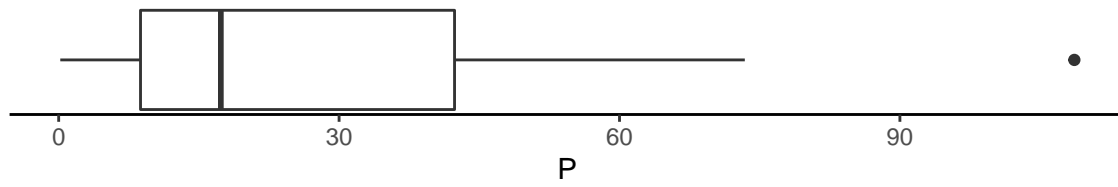


All farms

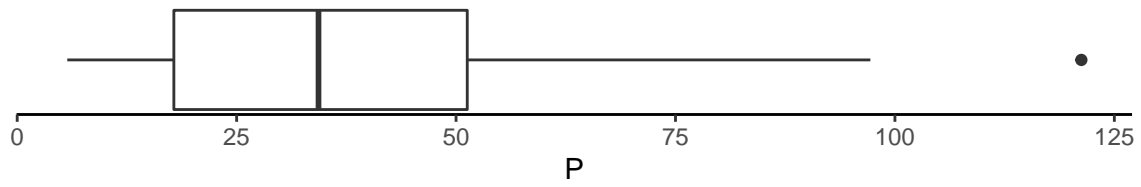


P

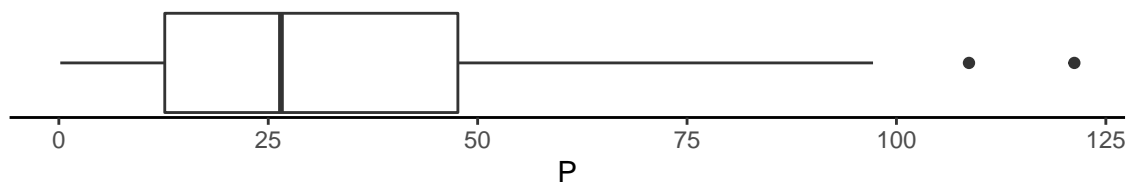
Monocultures



Polycultures

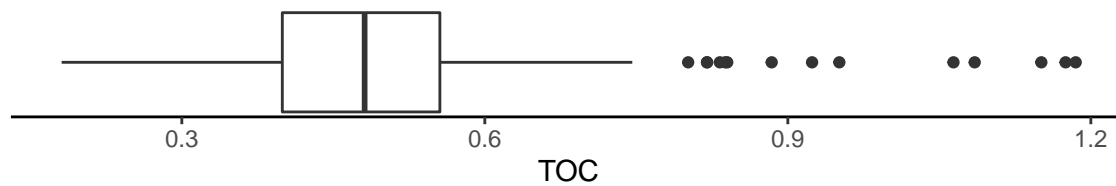


All farms

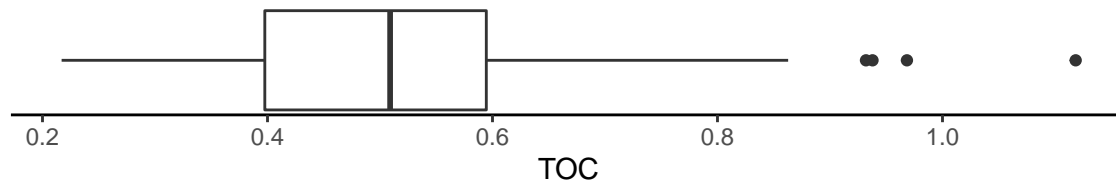


TOC

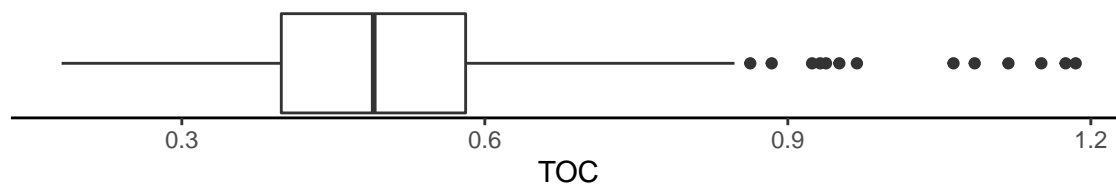
Monocultures



Polycultures

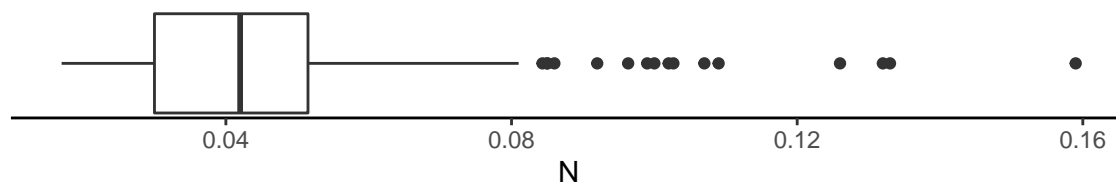


All farms

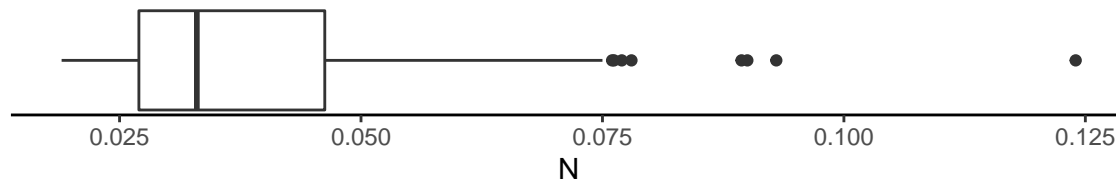


N

Monocultures



Polycultures



All farms

