Appendix F-9.3

Plot 4
June 20-22, 2000

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:
SPECIES$ (8 levels)
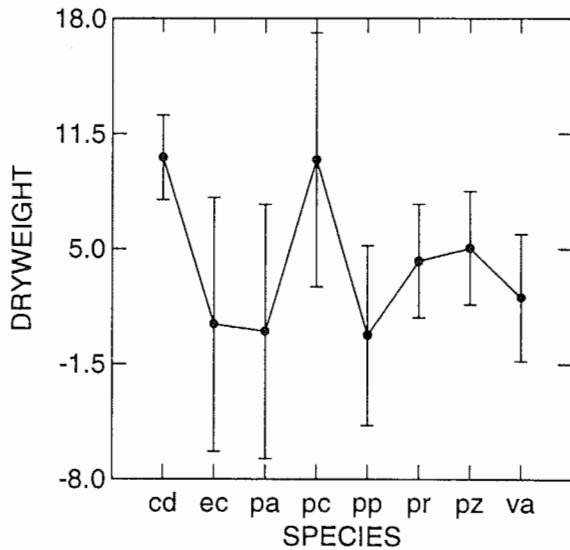   cd, ec, pa, pc, pp, pr, pz, va

Dep Var: DRYWEIGHT   N: 28   Multiple R: 0.516   Squared multiple R: 0.266

                        Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
SPECIES$	372.536	7	53.219	1.035	0.438
Error	1028.091	20	51.405		

Least Squares Means

*** WARNING ***
Case   1 is an outlier   (Studentized Residual =   8.760)

Durbin-Watson D Statistic   1.329
First Order Autocorrelation   -0.021

Appendix F-9.5

Plot 3

June 20-22, 2000

IMPORT successfully completed.

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:
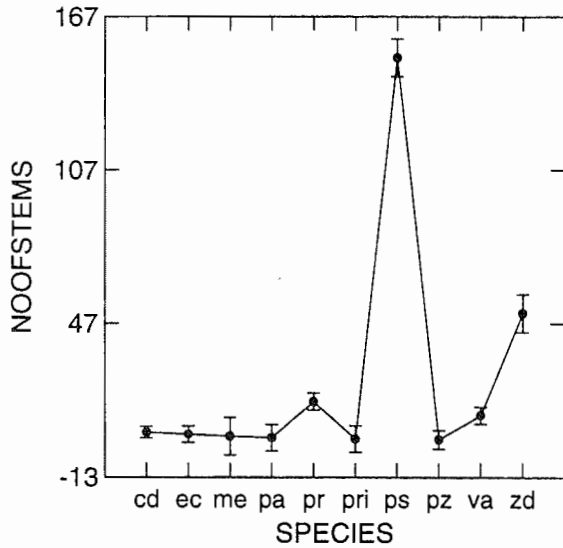SPECIES$ (10 levels)
    cd, ec, me, pa, pr, pri, ps, pz, va, zd
26 case(s) deleted due to missing data.

Dep Var: NOOFSTEMS   N: 37   Multiple R: 0.969   Squared multiple R: 0.940

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
SPECIES$	22774.142	9	2530.460	46.707	0.000
Error	1462.777	27	54.177		

Least Squares Means

*** WARNING ***
Case   13 is an outlier   (Studentized Residual =   4.782)

First Order Autocorrelation -0.093

Effects coding used for categorical variables in model.

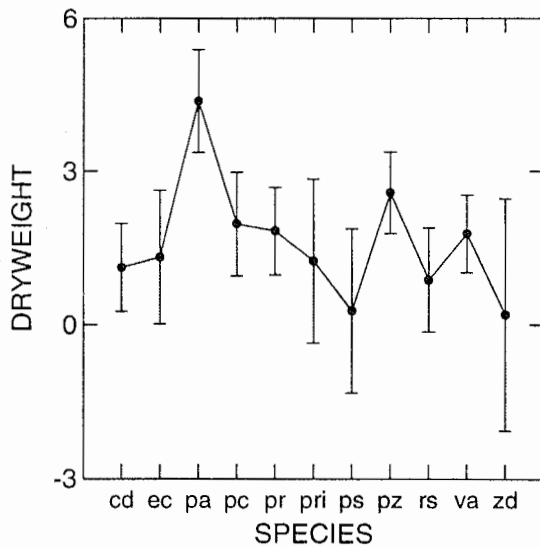Categorical values encountered during processing are:
SPECIES$ (11 levels)
    cd, ec, pa, pc, pr, pri, ps, pz, rs, va, zd

Dep Var: DRYWEIGHT   N: 54   Multiple R: 0.444   Squared multiple R: 0.197

                         Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
SPECIES$	54.058	10	5.406	1.056	0.415
Error	220.043	43	5.117		

Least Squares Means

*** WARNING ***
| Case | 23 is an outlier | (Studentized Residual = | 3.938) |
| Case | 41 is an outlier | (Studentized Residual = | 5.403) |

Durbin-Watson D Statistic   1.893
First Order Autocorrelation   0.034

Appendix F-9.6

Plot 7
June 20-22, 2000

IMPORT successfully completed.

Effects coding used for categorical variables in model.

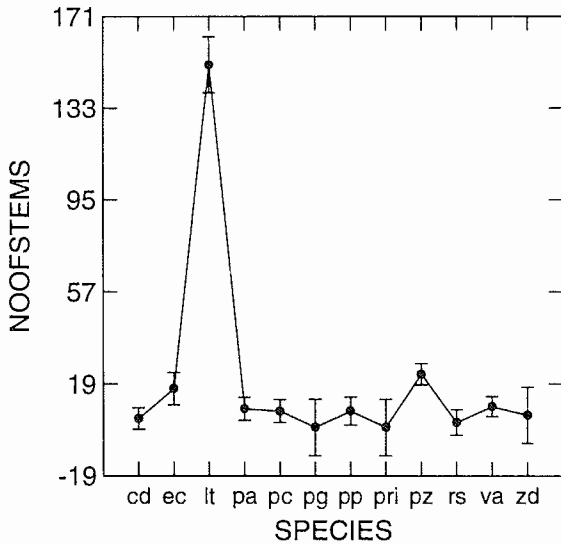Categorical values encountered during processing are:
SPECIES$ (12 levels)
    cd, ec, lt, pa, pc, pg, pp, pri, pz, rs, va, zd

Dep Var: NOOFSTEMS   N: 50   Multiple R: 0.898   Squared multiple R: 0.807

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
SPECIES$	21597.474	11	1963.407	14.434	0.000
Error	5169.006	38	136.026		

Least Squares Means

*** WARNING ***
Case   1 is an outlier   (Studentized Residual =   3.301)
Case   36 is an outlier   (Studentized Residual =   3.201)

```
Durbin-Watson D Statistic      1.659
First Order Autocorrelation    0.095
```

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:
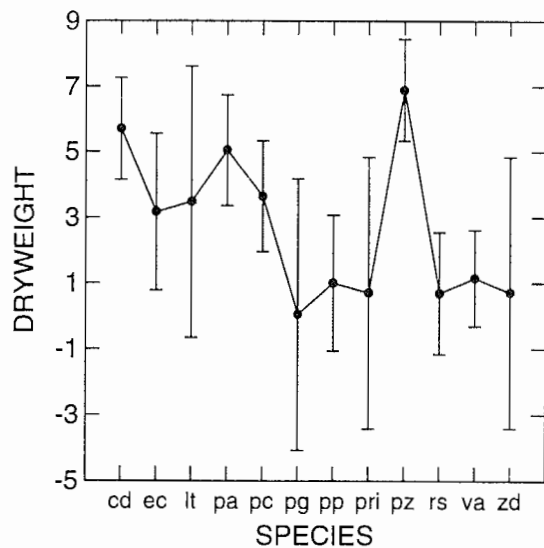SPECIES$ (12 levels)
    cd, ec, lt, pa, pc, pg, pp, pri, pz, rs, va, zd

Dep Var: DRYWEIGHT   N: 50   Multiple R: 0.539   Squared multiple R: 0.290

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
SPECIES$	265.424	11	24.129	1.414	0.207
Error	648.527	38	17.067		

Least Squares Means


```
*** WARNING ***
Case            20 is an outlier      (Studentized Residual =      3.609)

Durbin-Watson D Statistic      1.923
First Order Autocorrelation    0.013
```

Appendix F-10.1

Plot 2
July 24-25, 2000

IMPORT successfully completed.

Effects coding used for categorical variables in model.

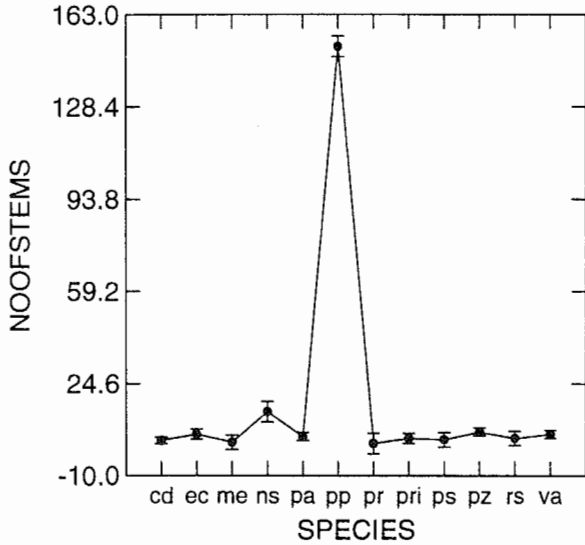Categorical values encountered during processing are:
SPECIES$ (12 levels)
    cd, ec, me, ns, pa, pp, pr, pri, ps, pz, rs, va

Dep Var: NOOFSTEMS   N: 45   Multiple R: 0.989   Squared multiple R: 0.977

                        Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
SPECIES$	21069.897	11	1915.445	128.972	0.000
Error	490.103	33	14.852		

Least Squares Means

*** WARNING ***
Case   22 is an outlier   (Studentized Residual =   2.987)

Durbin-Watson D Statistic   2.073

IMPORT successfully completed.

Effects coding used for categorical variables in model.

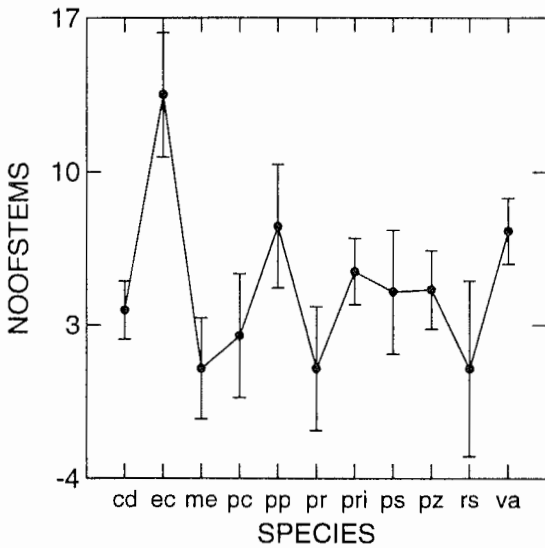Categorical values encountered during processing are:
SPECIES$ (11 levels)
    cd, ec, me, pc, pp, pr, pri, ps, pz, rs, va

Dep Var: NOOFSTEMS   N: 42   Multiple R: 0.626   Squared multiple R: 0.392

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
SPECIES$	320.443	10	32.044	2.001	0.068
Error	496.343	31	16.011		

Least Squares Means

*** WARNING ***
Case   33 is an outlier   (Studentized Residual =   4.876)

Durbin-Watson D Statistic   2.231

First Order Autocorrelation   -0.121

Effects coding used for categorical variables in model.

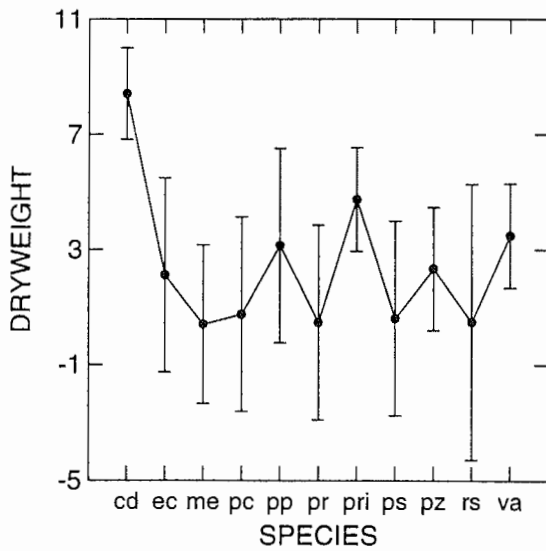Categorical values encountered during processing are:
SPECIES$ (11 levels)
    cd, ec, me, pc, pp, pr, pri, ps, pz, rs, va

Dep Var: DRYWEIGHT   N: 42   Multiple R: 0.559   Squared multiple R: 0.313

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
SPECIES$	321.452	10	32.145	1.413	0.221
Error	705.451	31	22.756		

Least Squares Means

*** WARNING ***
Case   21 is an outlier   (Studentized Residual =   5.792)

Durbin-Watson D Statistic   2.425
First Order Autocorrelation   -0.213

Plot 2

August 28-30, 2000

Effects coding used for categorical variables in model.

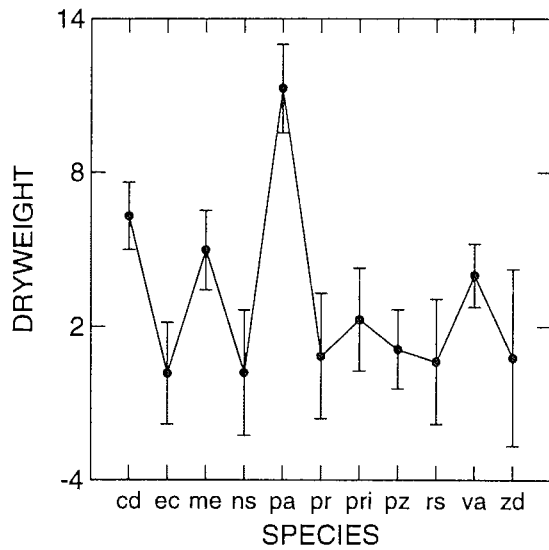Categorical values encountered during processing are:
SPECIES$ (11 levels)
    cd, ec, me, ns, pa, pr, pri, pz, rs, va, zd

Dep Var: DRYWEIGHT   N: 42   Multiple R: 0.732   Squared multiple R: 0.536

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
SPECIES$	428.258	10	42.826	3.582	0.003
Error	370.583	31	11.954		

Least Squares Means

*** WARNING ***
Case   14 is an outlier   (Studentized Residual =   3.025)
Case   41 is an outlier   (Studentized Residual =   -3.994)

Durbin-Watson D Statistic   2.033
First Order Autocorrelation   -0.017

Appendix F-11.2

Plot 6
August 28-30, 2000

IMPORT successfully completed.

Effects coding used for categorical variables in model.

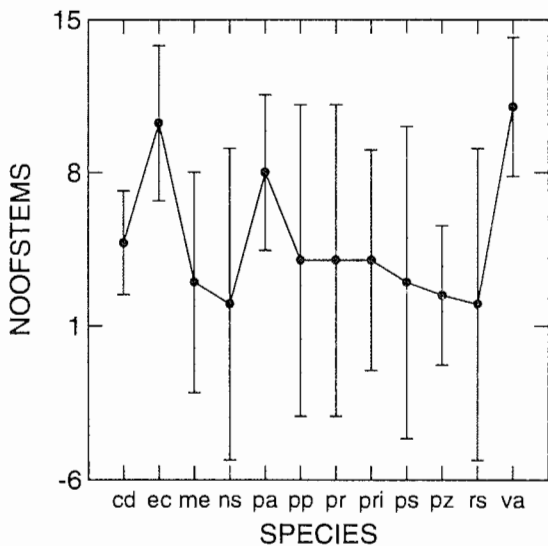Categorical values encountered during processing are:
SPECIES$ (12 levels)
    cd, ec, me, ns, pa, pp, pr, pri, ps, pz, rs, va

Dep Var: NOOFSTEMS   N: 36   Multiple R: 0.482   Squared multiple R: 0.232

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
SPECIES$	366.050	11	33.277	0.660	0.760
Error	1209.506	24	50.396		

Least Squares Means

*** WARNING ***
Case   19 is an outlier   (Studentized Residual =   6.149)

Durbin-Watson D Statistic   1.817

First Order Autocorrelation   0.087

Effects coding used for categorical variables in model.

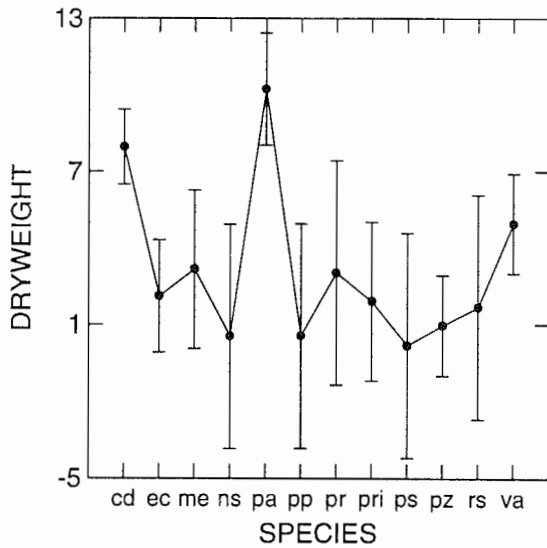Categorical values encountered during processing are:
SPECIES$ (12 levels)
    cd, ec, me, ns, pa, pp, pr, pri, ps, pz, rs, va

Dep Var: DRYWEIGHT   N: 36   Multiple R: 0.682   Squared multiple R: 0.465

                        Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
SPECIES$	401.650	11	36.514	1.894	0.092
Error	462.620	24	19.276		

Least Squares Means

Durbin-Watson D Statistic   2.058
First Order Autocorrelation -0.060

Appendix F-11.3

Plot 4

August 28-30, 2000

IMPORT successfully completed.

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:
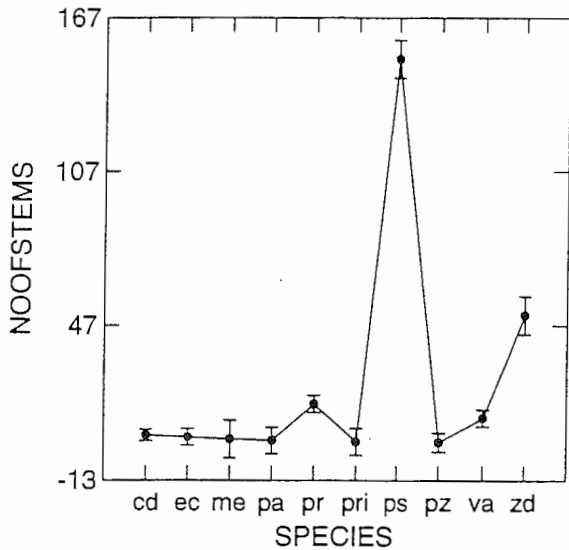SPECIES$ (10 levels)
    cd, ec, me, pa, pr, pri, ps, pz, va, zd
26 case(s) deleted due to missing data.

Dep Var: NOOFSTEMS   N: 37   Multiple R: 0.969   Squared multiple R: 0.940

                            Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
SPECIES$	22774.142	9	2530.460	46.707	0.000
Error	1462.777	27	54.177		

Least Squares Means


```
*** WARNING ***
Case             13 is an outlier       (Studentized Residual =       4.782)
```

```
Durbin-Watson D Statistic      1.666
First Order Autocorrelation    0.103
```

Effects coding used for categorical variables in model.

Categorical values encountered during processing are:
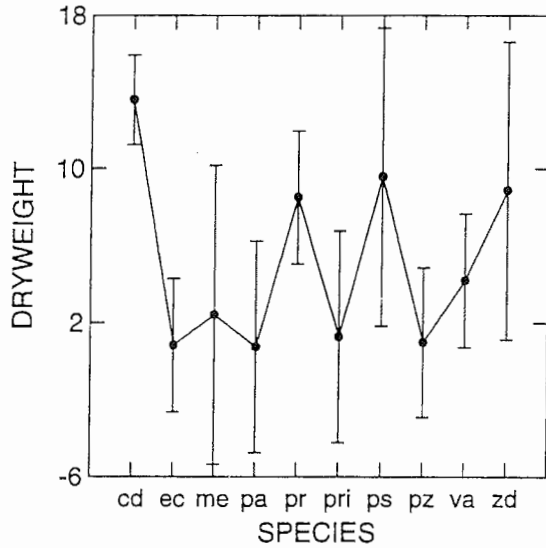SPECIES$ (10 levels)
    cd, ec, me, pa, pr, pri, ps, pz, va, zd
26 case(s) deleted due to missing data.

Dep Var: DRYWEIGHT   N: 37   Multiple R: 0.624   Squared multiple R: 0.389

Analysis of Variance

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
SPECIES$	1034.997	9	115.000	1.912	0.093
Error	1623.790	27	60.140		

Least Squares Means


```
*** WARNING ***
Case            8 is an outlier        (Studentized Residual =       4.149)

Durbin-Watson D Statistic      1.613
First Order Autocorrelation    0.184
```

Appendix F-11.5

Plot 3
August 28-30, 2000