

Harvard Forest Data Archive HF276-01

Data File:

Name = hf276-01-DF-invertebrate.csv  
Description = Duke Forest common garden experiment -invertebrate  
Rows = 176 Columns = 26  
MD5 checksum = 811b98ddd166a45e1655b000b1930dd8

Variables:

date = date of CO2 efflux measurement  
efflux = soil efflux ( $\mu\text{mol CO}_2 \text{ mol}^{-1}$ ) measured using LI-6400  
(dimensionless)  
temp = mean air temperature delta (difference between chamber and  
average of 3  
ambient reference stations) of Duke Forest warming chambers  
between April 2010 and July 2013  
from which soil cores/invertebrates  
were extracted (celsius)  
core.depth = depth of extracted soil core (centimeter)  
leaf.decomp = percent leaf mass lost from decomposition bag  
(dimensionless)  
invert.biomass.i = total mass of macroinvertebrates extracted from  
soil core and placed in  
mesocosm (gram)  
invert.abundance.i = total number of macroinvertebrate individuals  
extracted from soil core and  
placed in mesocosm (number)  
invert.richness.i = total richness, at a broad morphological/order  
scale, of  
macroinvertebrates extracted from soil core and placed in  
mesocosm (number)  
invert.biomass.f = total mass of macroinvertebrates that survived to  
the end of the mesocosm  
experiment (gram)  
invert.abundance.f = total number of macroinvertebrate individuals  
that survived to the end of  
the mesocosm experiment (number)  
invert.richness.f = total richness, at a broad morphological/order  
scale, of  
macroinvertebrates that survived to the end of the mesocosm  
experiment (number)  
microbial.biomass.c = microbial biomass (organic) carbon, using  
chloroform fumigation method in  
the lab of M Weintraub. TOC  $\mu\text{g-C/g dry}$ ,  
calculated as difference between fumigated and K2S04  
extracted sample  
(dimensionless)  
microbial.biomass.n = microbial biomass nitrogen, using chloroform  
fumigation method in the lab  
of M Weintraub. TN  $\mu\text{g-N/g dry}$ , calculated as  
difference between fumigated and K2S04 extracted  
sample. (dimensionless)  
spider = number of spiders extracted from soil core and placed in  
mesocosm (number)  
centipede = number of centipedes extracted from soil core and placed  
in  
mesocosm (number)  
millipede = number of millipedes extracted from soil core and placed  
in  
mesocosm (number)  
maggot = number of diptera larva extracted from soil core and placed  
in  
mesocosm (number)

caterpillar = number of caterpillars extracted from soil core and  
placed in

mesocosm (number)

earthworm = number of earthworms extracted from soil core and placed  
in

mesocosm (number)

ant = number of ants extracted from soil core and placed in

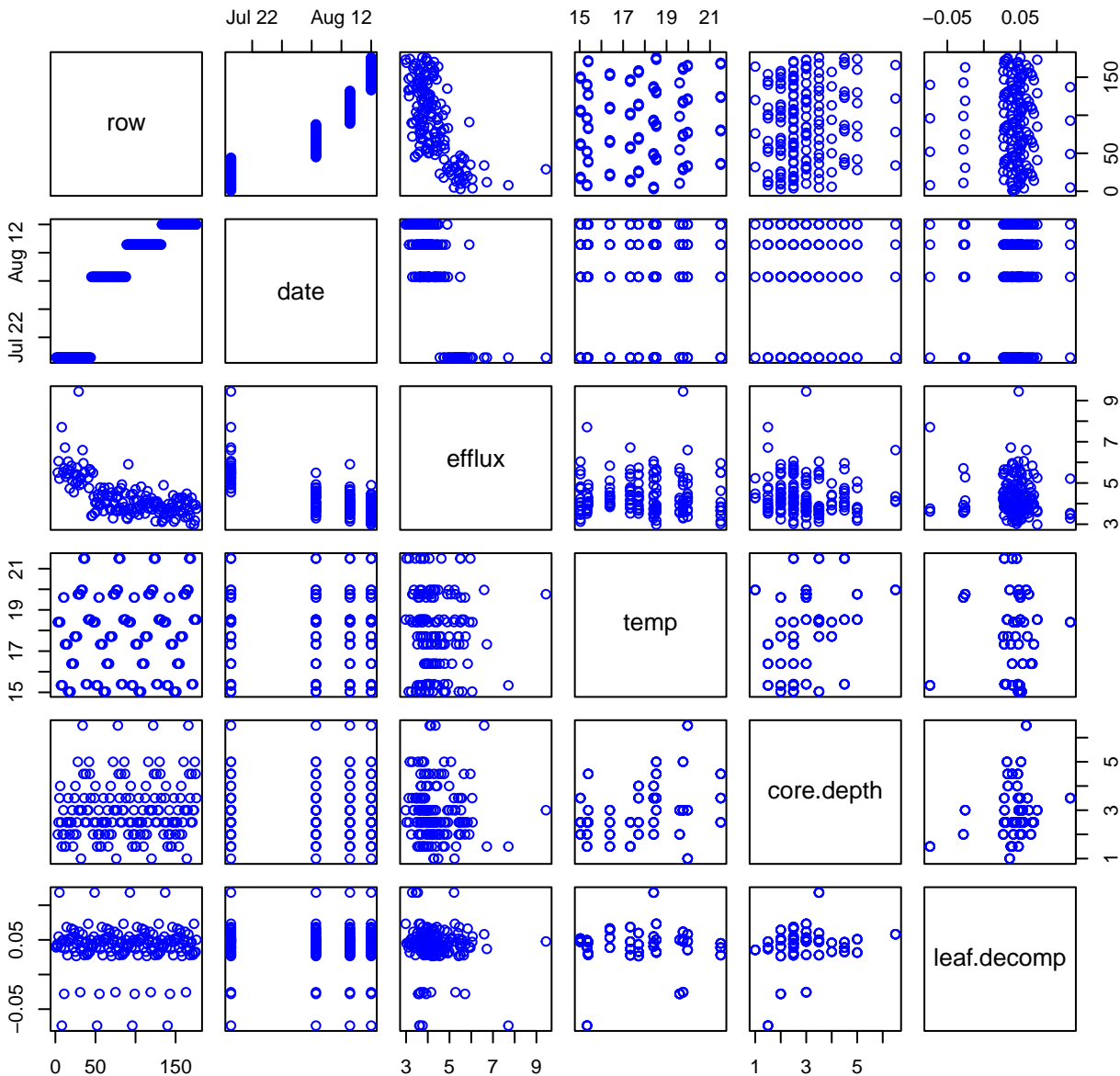
mesocosm (number)

beetle = number of beetles extracted from soil core and placed in

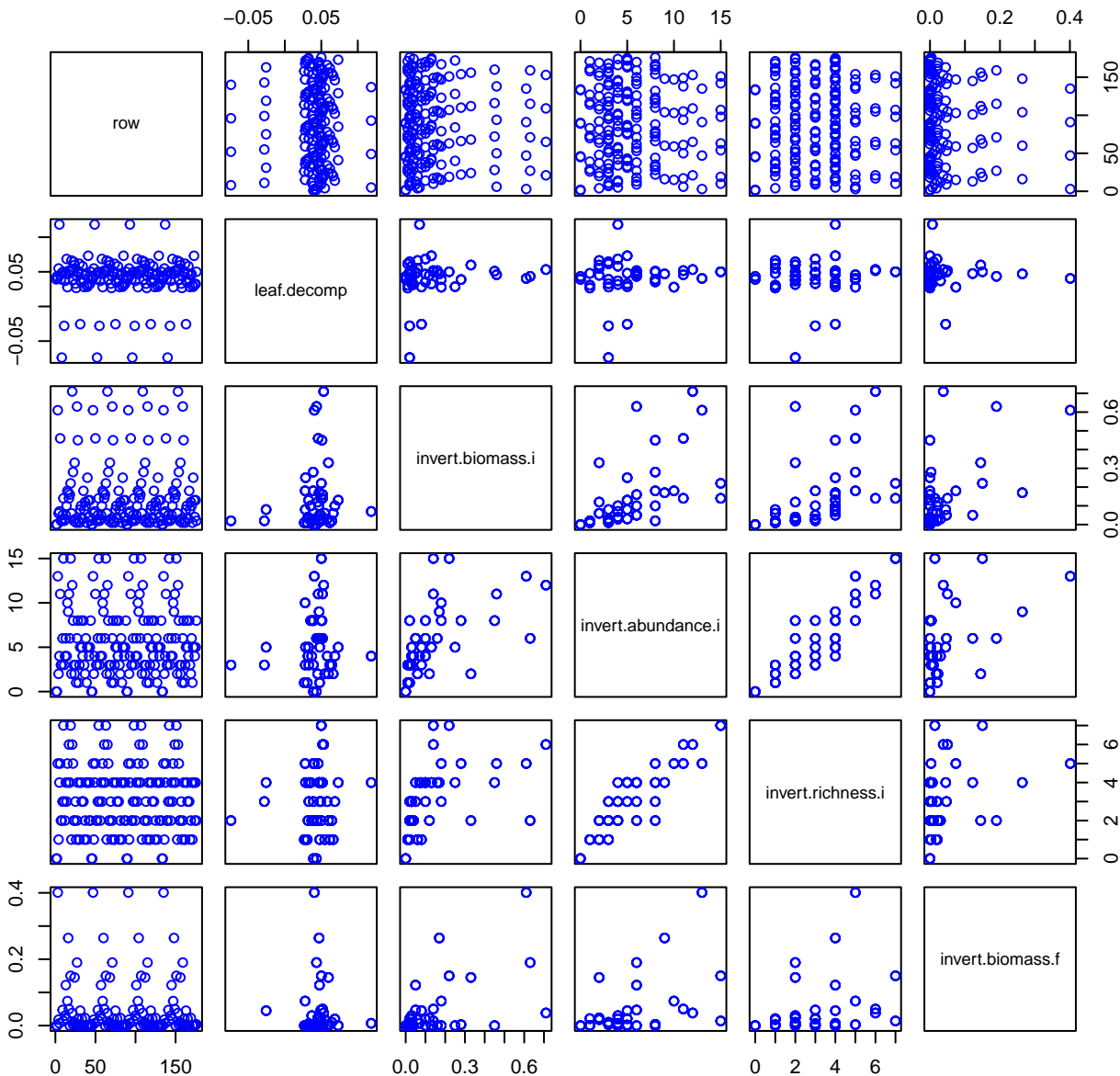
mesocosm (number)

Variable	Min	Median	Mean	Max	NAs
date	2013-07-17	2013-08-10	2013-08-06	2013-08-19	0
efflux	2.983	4.047	4.306	9.440	9
temp	15.037	17.711	17.820	21.493	8
core.depth	1.000	2.750	2.940	6.500	8
leaf.decomp	-0.074	0.046	0.042	0.118	0
invert.bioma	0.000	0.080	0.144	0.710	0
invert.abund	0.000	5.000	5.523	15.000	0
invert.richn	0.000	3.000	3.091	7.000	0
invert.bioma	0.000	0.010	0.046	0.401	28
invert.abund	0.000	1.000	1.462	6.000	20
invert.richn	0.000	1.000	1.179	4.000	20
microbial.bi	204.000	271.474	267.536	282.723	28
microbial.bi	84.855	112.921	111.283	117.600	28
spider	0.000	0.000	0.318	2.000	0
centipede	0.000	0.000	0.227	2.000	0
millipede	0.000	0.000	0.545	3.000	0
maggot	0.000	0.000	0.045	1.000	0
caterpillar	0.000	0.000	0.159	2.000	0
earthworm	0.000	1.000	1.227	7.000	0
ant	0.000	0.000	0.932	7.000	0
beetle	0.000	2.000	1.955	6.000	0

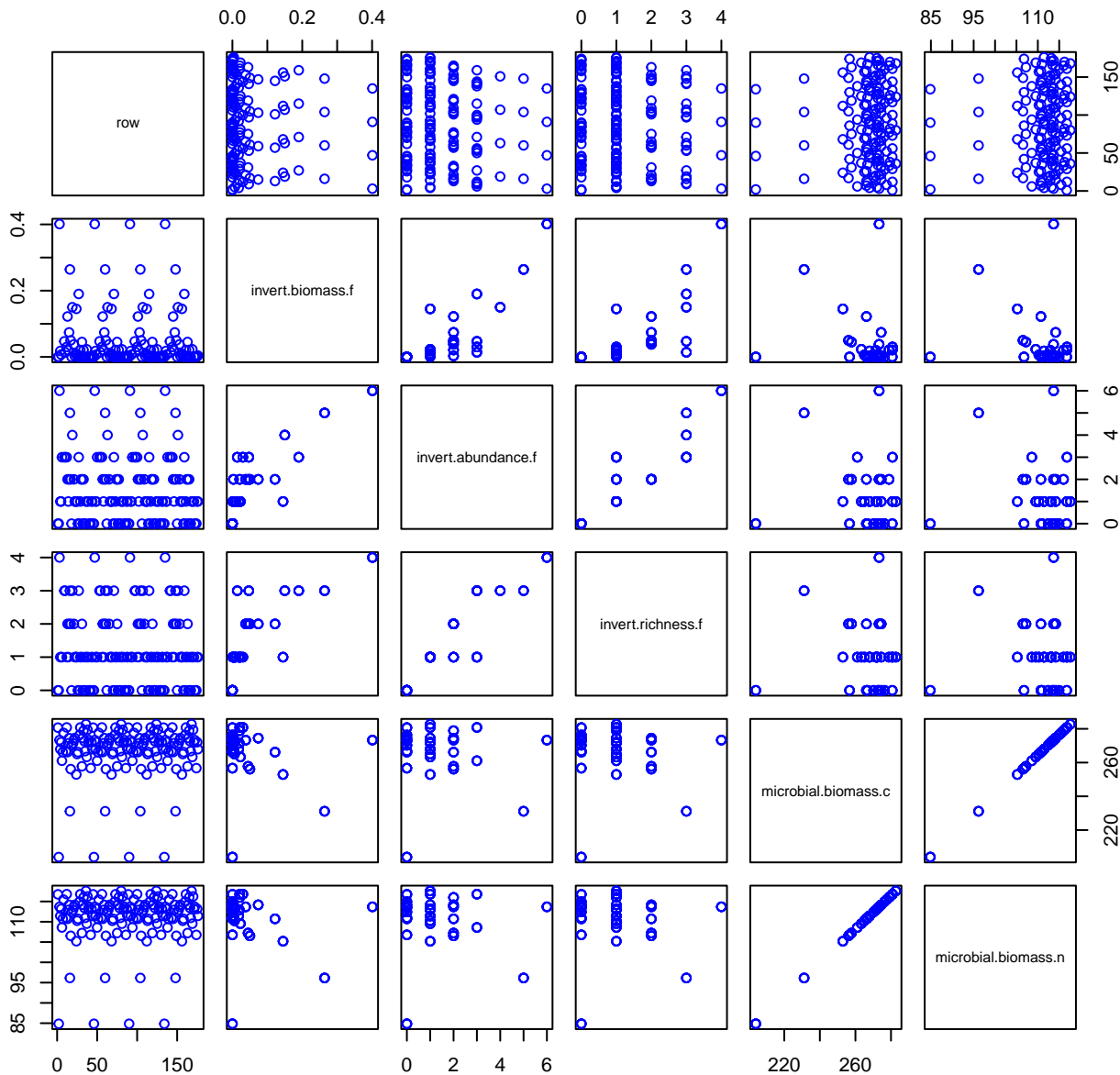
# HF276-01 Plot 1



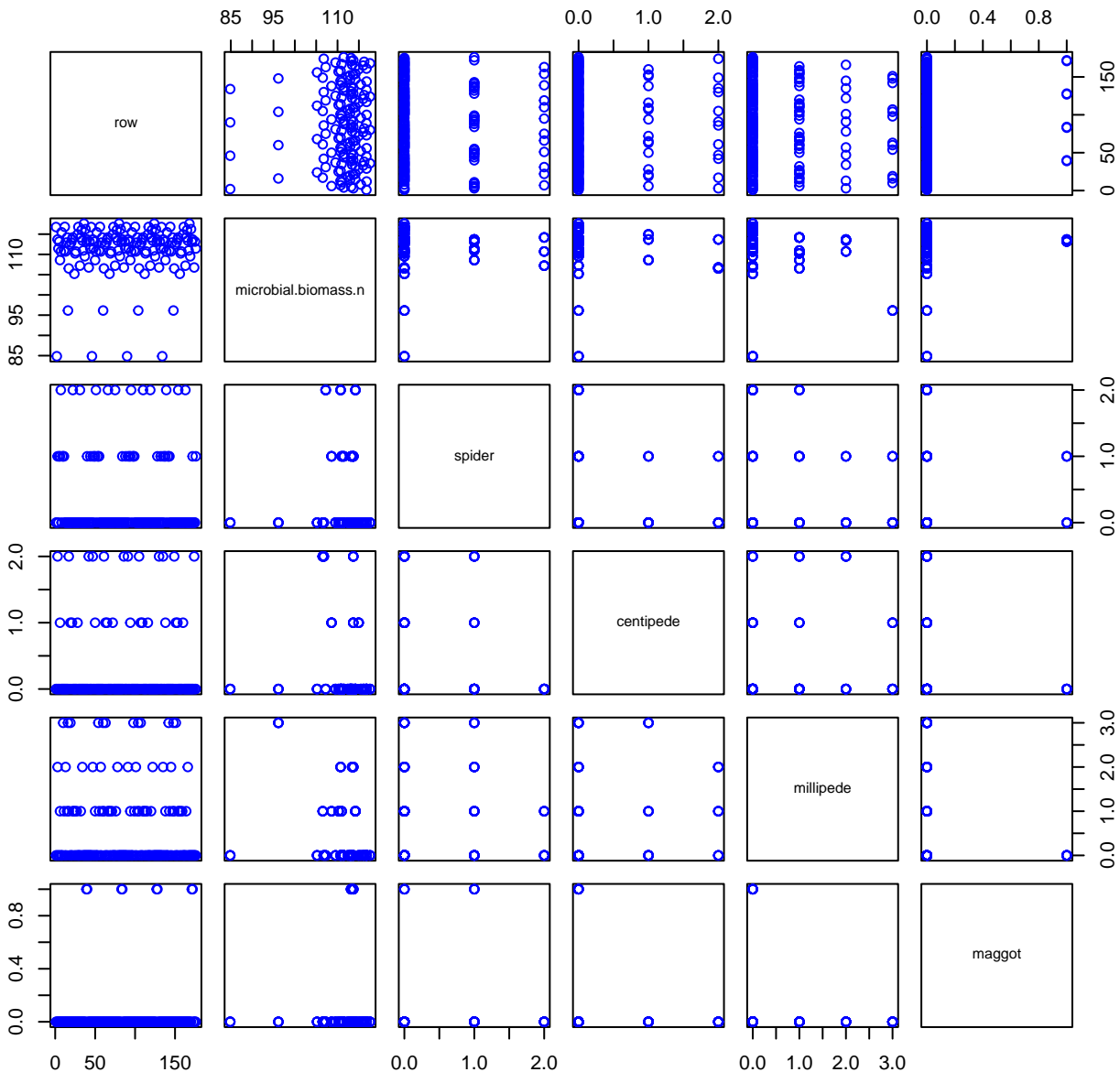
# HF276-01 Plot 2



# HF276-01 Plot 3



# HF276-01 Plot 4



# HF276-01 Plot 5

