

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

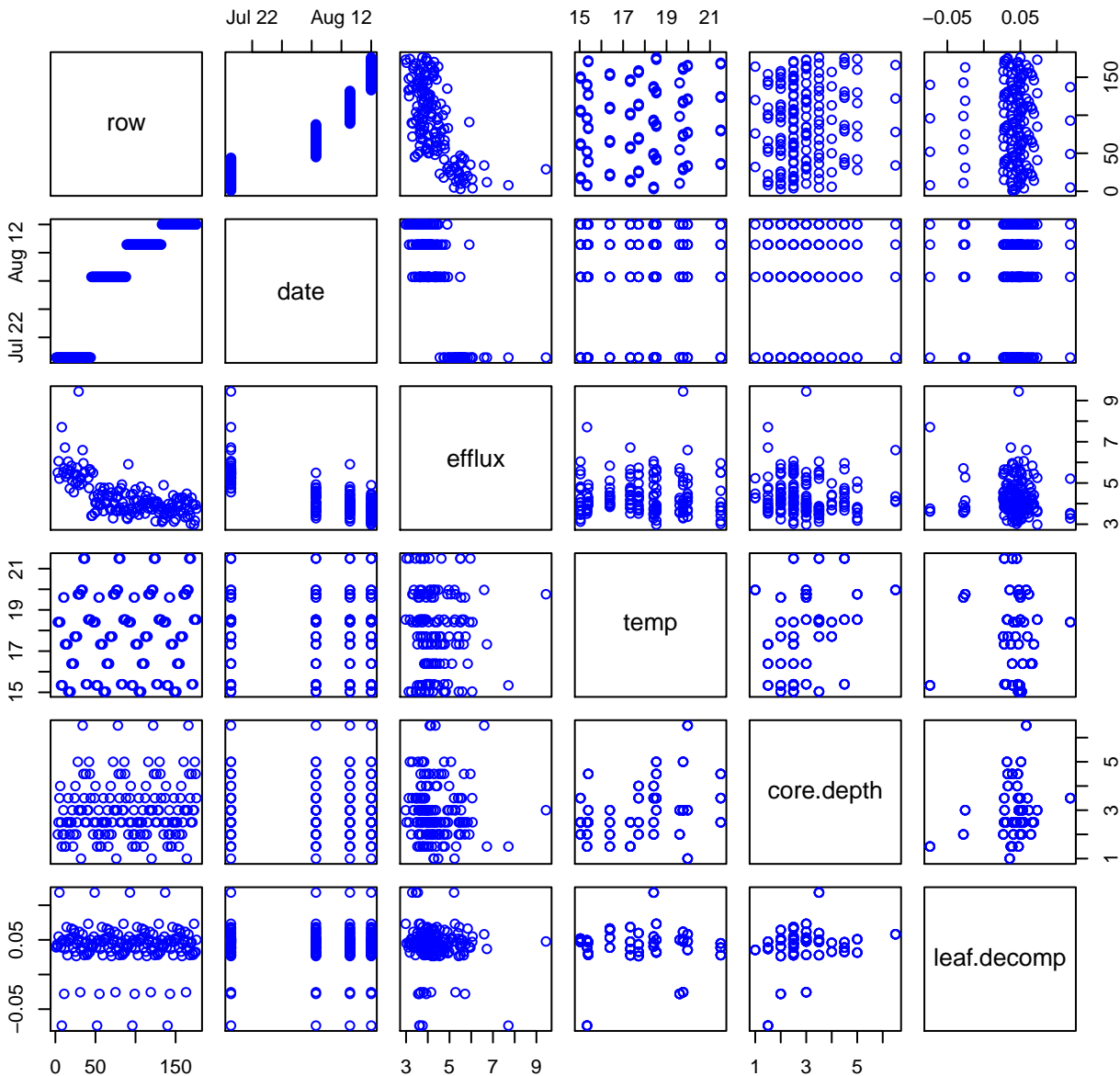
mesocosm (number)

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

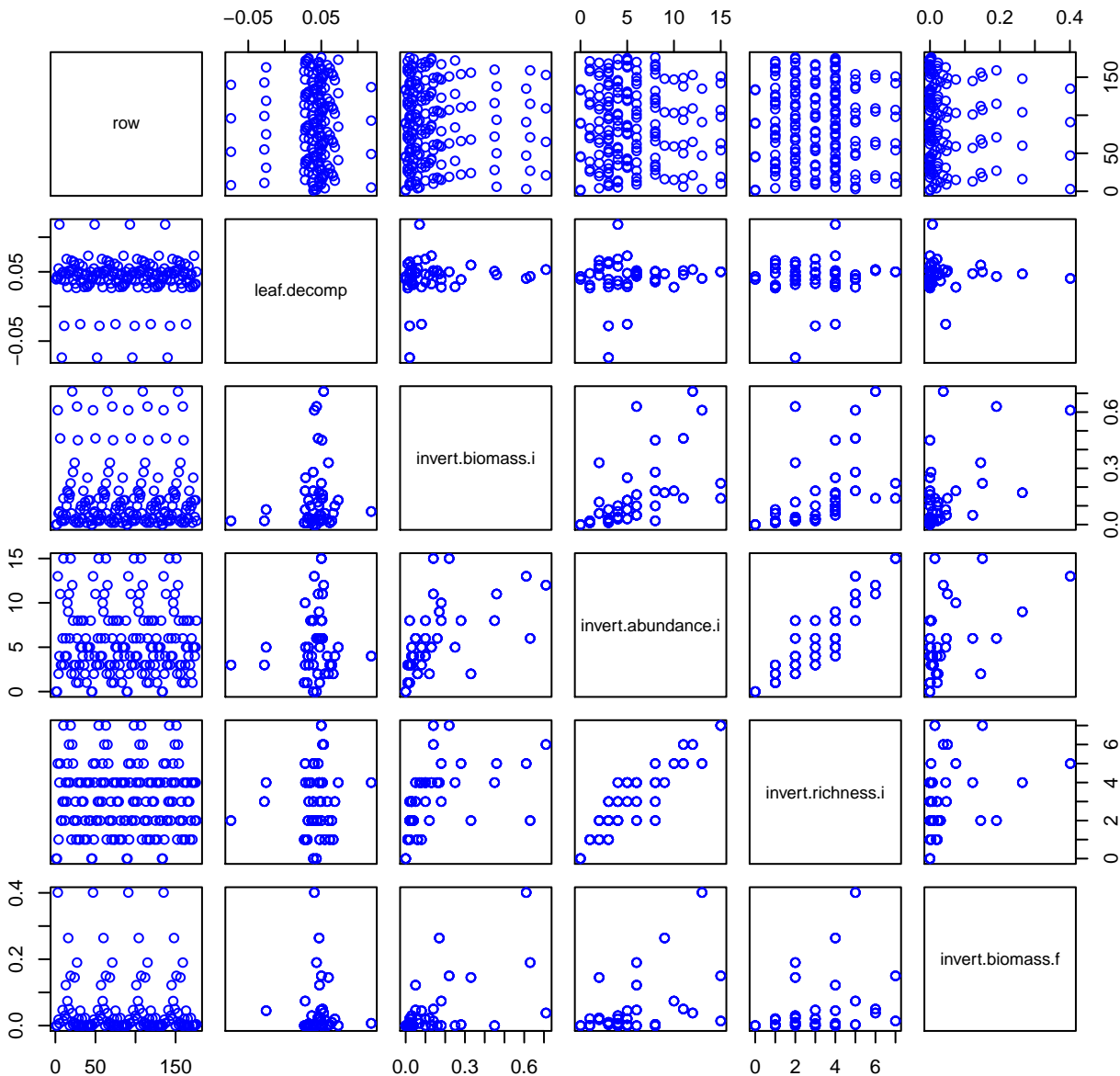
mesocosm (number)

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

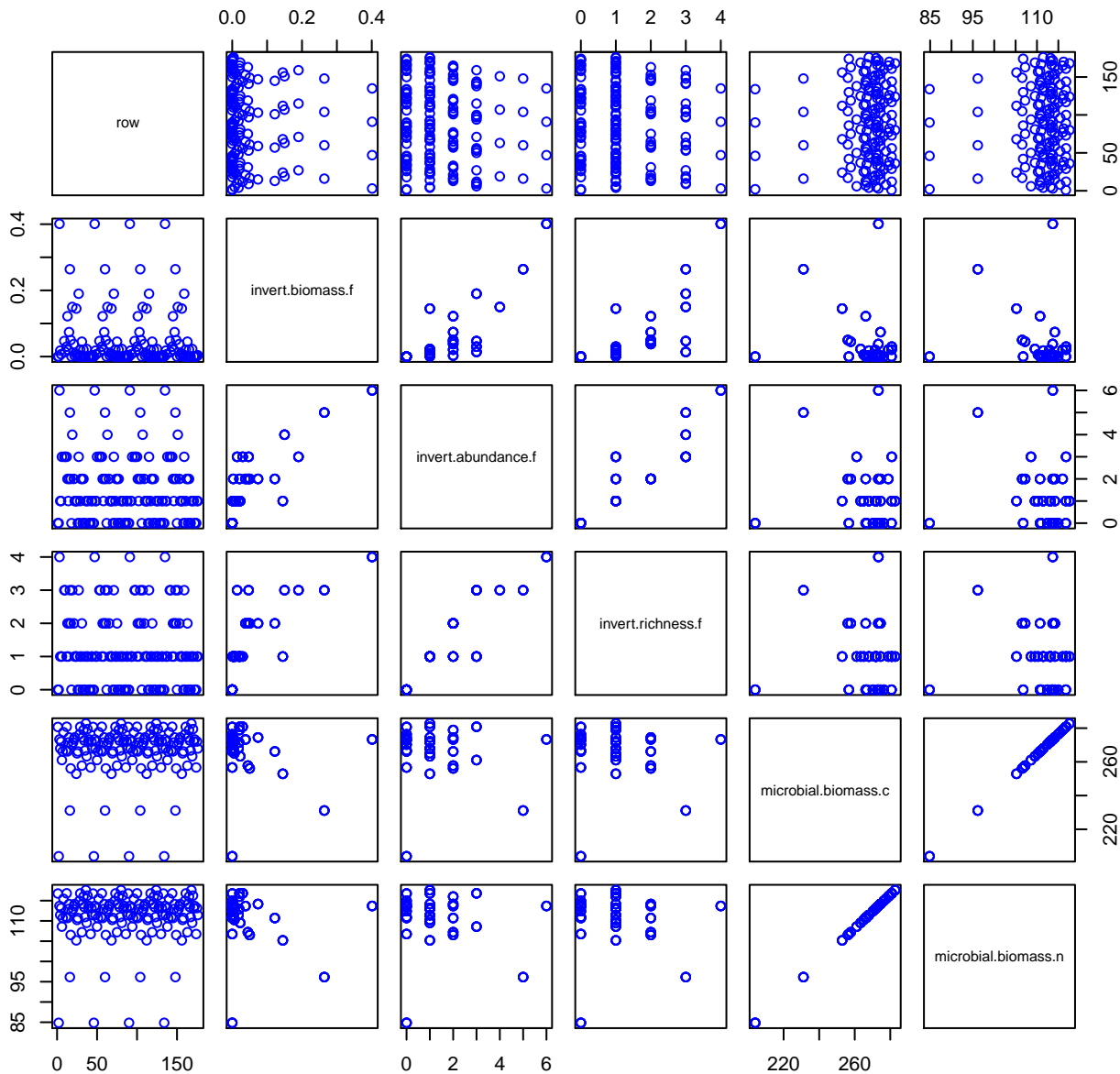
HF276-01 Plot 1



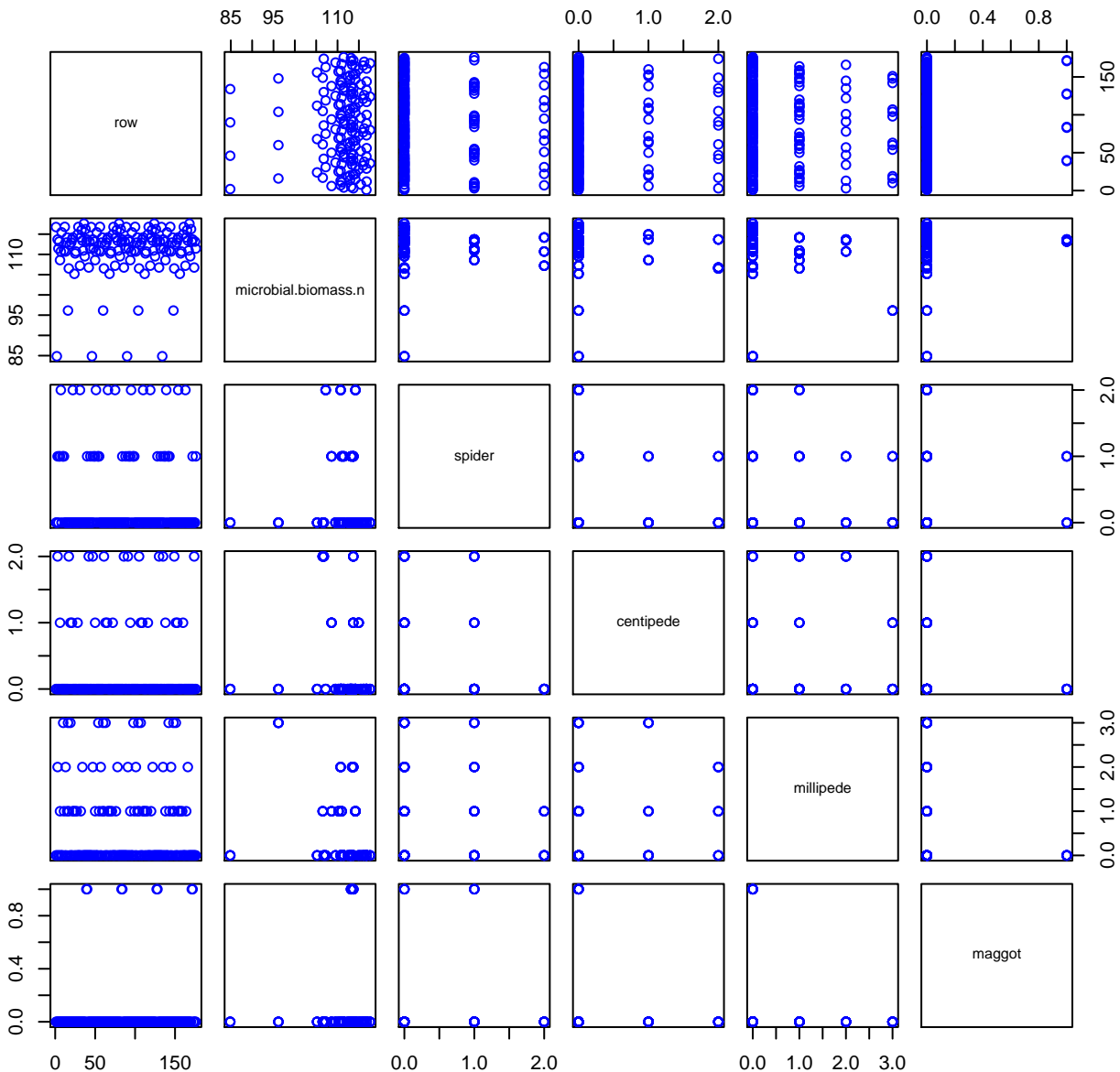
HF276-01 Plot 2



HF276-01 Plot 3



HF276-01 Plot 4



HF276-01 Plot 5

