

Harvard Forest Data Archive HF143-01

Data File:

Name = hf143-01-soil-prop.csv

Description = soil properties

Rows = 420 Columns = 23

MD5 checksum = 4aee894e5cf07be8b6d3e9e5272d1e19

Variables:

ff.thickness = forest floor thickness (millimeter)

bulk.density = bulk density (gramsPerCubicCentimeter)

soil.mass = mass of soil (kilogramsPerSquareMeter)

ph.h2o = pH in water extract (dimensionless)

ph.cacl2 = pH in CaCl₂ extract (dimensionless)

c = percent carbon (dimensionless)

n = percent nitrogen (dimensionless)

om = percent organic matter (dimensionless)

p = percent phosphorous ugP/gsoil (microgramsPerGram)

nh4 = available NH₄ mgN/gsoil (milligramPerGram)

no3 = available NO₃ mgN/gsoil (milligramPerGram)

n.min = net nitrogen mineralization mgN/gsoil (milligramPerGram)

nitr = net nitrification (milligramPerGram)

cec = cation exchange capacity (meq/100g) (number)

ca = calcium (milligramPerGram)

mg = magnesium (milligramPerGram)

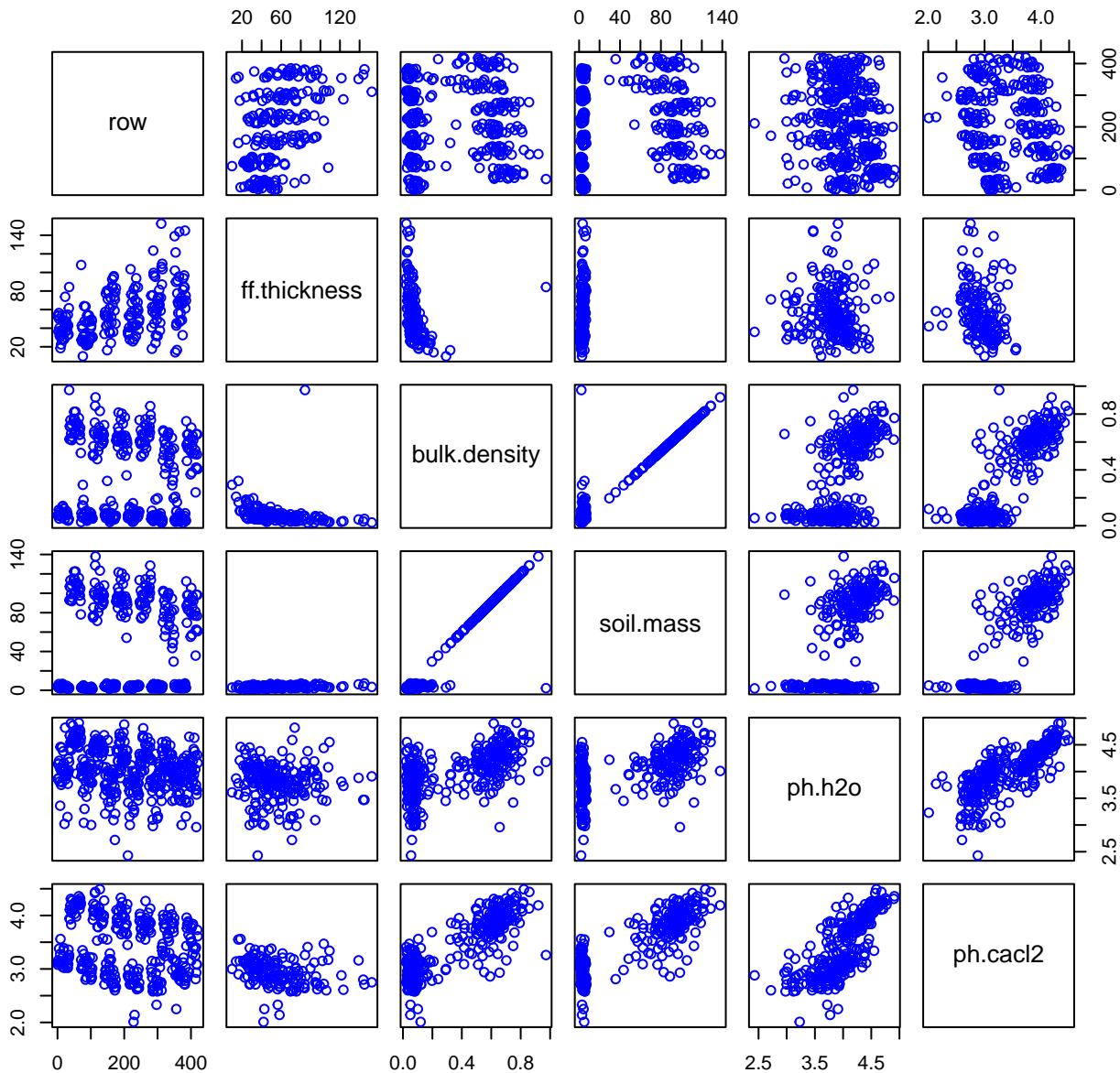
k = potassium (milligramPerGram)

soil.moisture = soil moisture, forest floor gravimetric gH₂O/gsoil
(gramsPerGram)

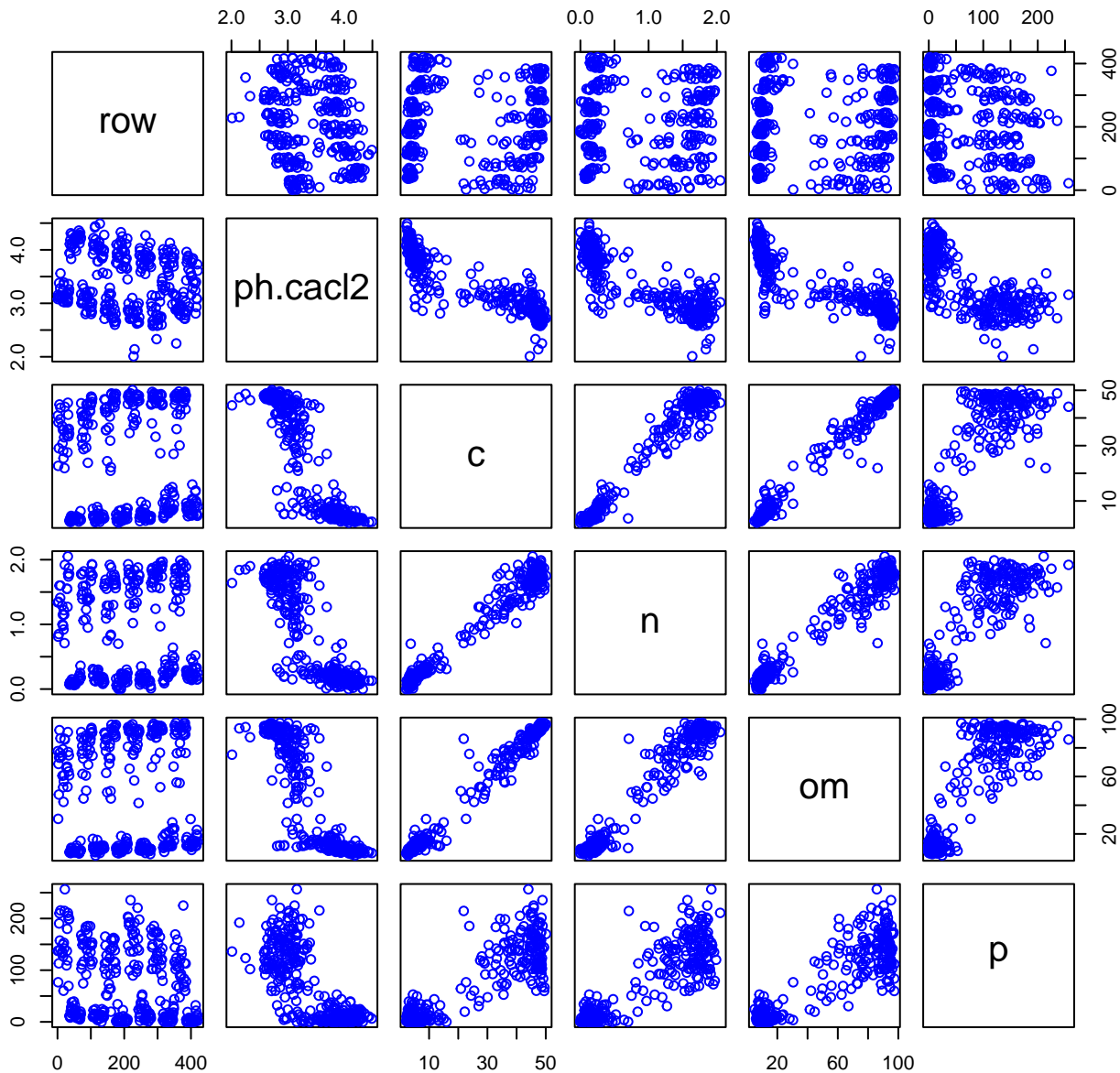
soil.moisture.capacity = soil moisture capacity gH₂O/gsoil
(milligramPerGram)

Variable	Min	Median	Mean	Max	NAs
ff.thickness	9.800	52.650	56.583	152.500	210
bulk.density	0.022	0.291	0.347	0.972	96
soil.mass	1.280	18.355	47.605	137.950	96
ph.h2o	2.430	4.045	4.046	4.910	0
ph.cacl2	2.010	3.280	3.398	4.490	96
c	2.160	20.900	23.834	50.080	109
n	0.000	0.710	0.888	2.050	109
om	4.970	36.010	46.751	97.410	96
p	0.000	42.090	72.418	256.520	96
nh4	0.000	7.405	16.485	357.620	96
no3	0.000	0.190	0.651	25.450	96
n.min	-140.050	24.205	82.782	864.740	96
nitr	-22.500	0.245	0.907	44.400	96
cec	0.280	3.465	4.627	14.880	0
ca	0.000	0.210	0.797	4.280	0
mg	0.000	0.100	0.329	1.160	0
k	0.040	0.305	0.581	2.070	0
soil.moistur	0.240	0.770	0.894	2.650	0
soil.moistur	0.250	1.095	1.546	6.290	0

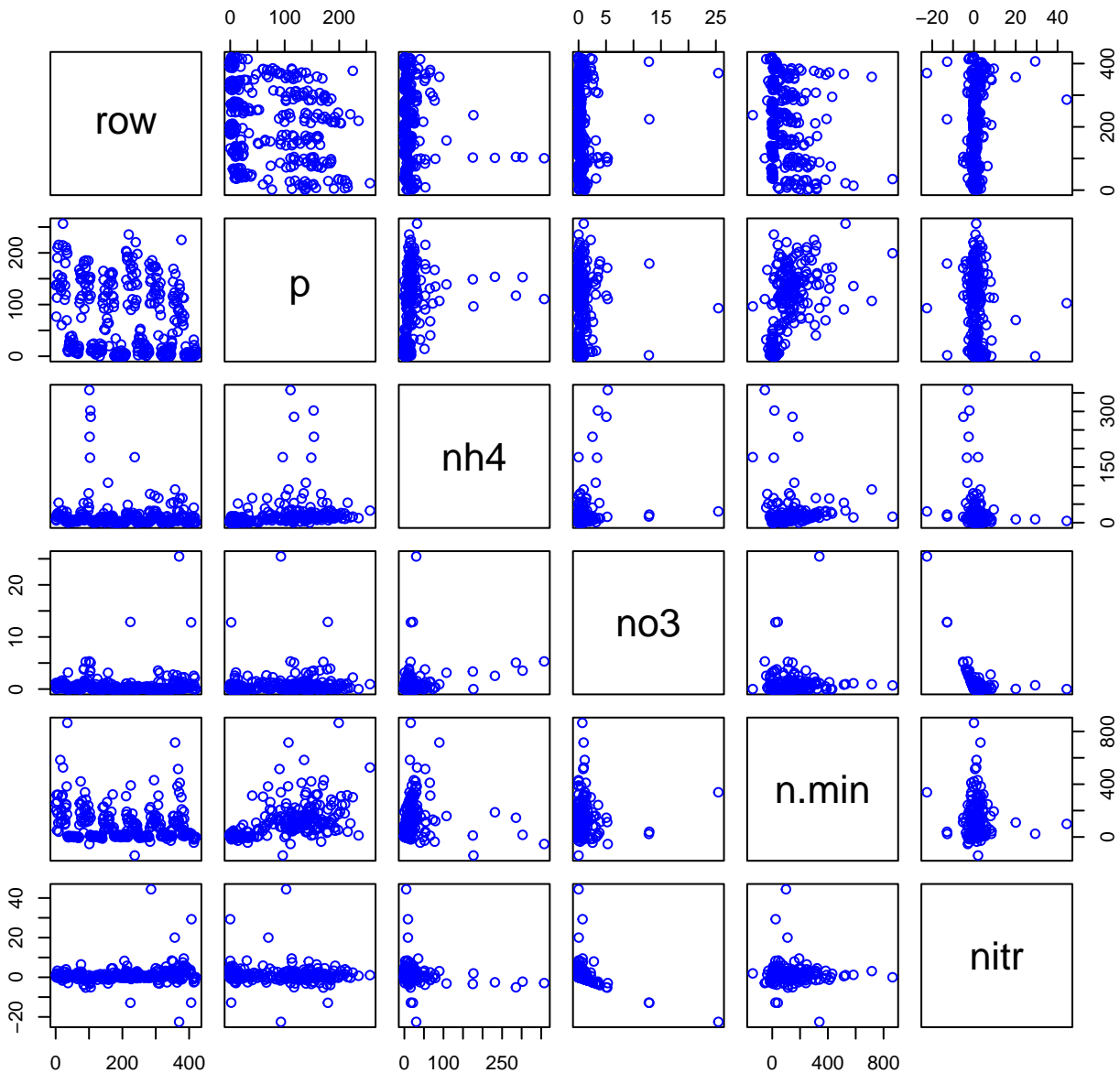
HF143-01 Plot 1



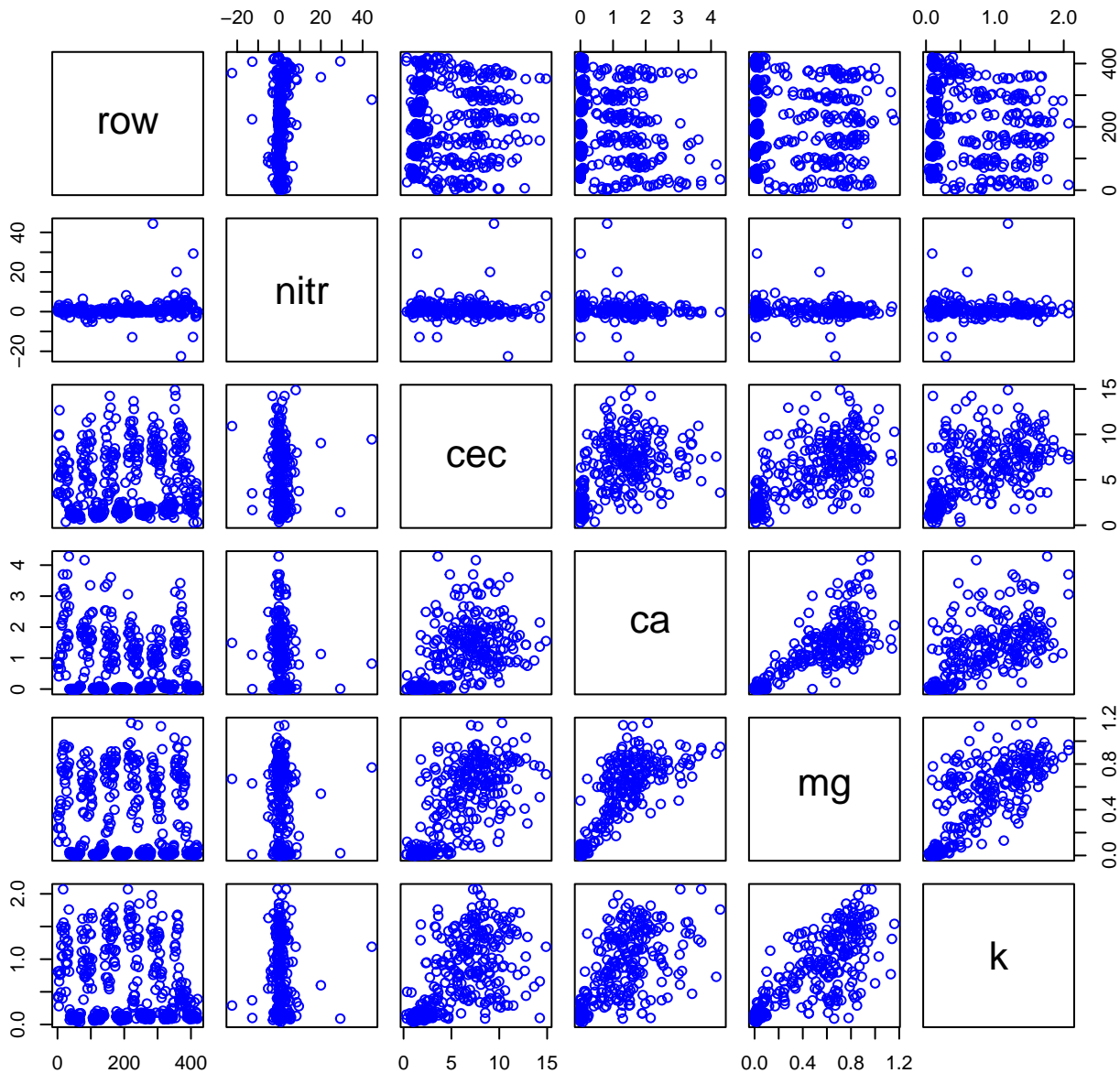
HF143-01 Plot 2



HF143-01 Plot 3



HF143-01 Plot 4



HF143-01 Plot 5

