

Harvard Forest Data Archive HF007-10

Data File:

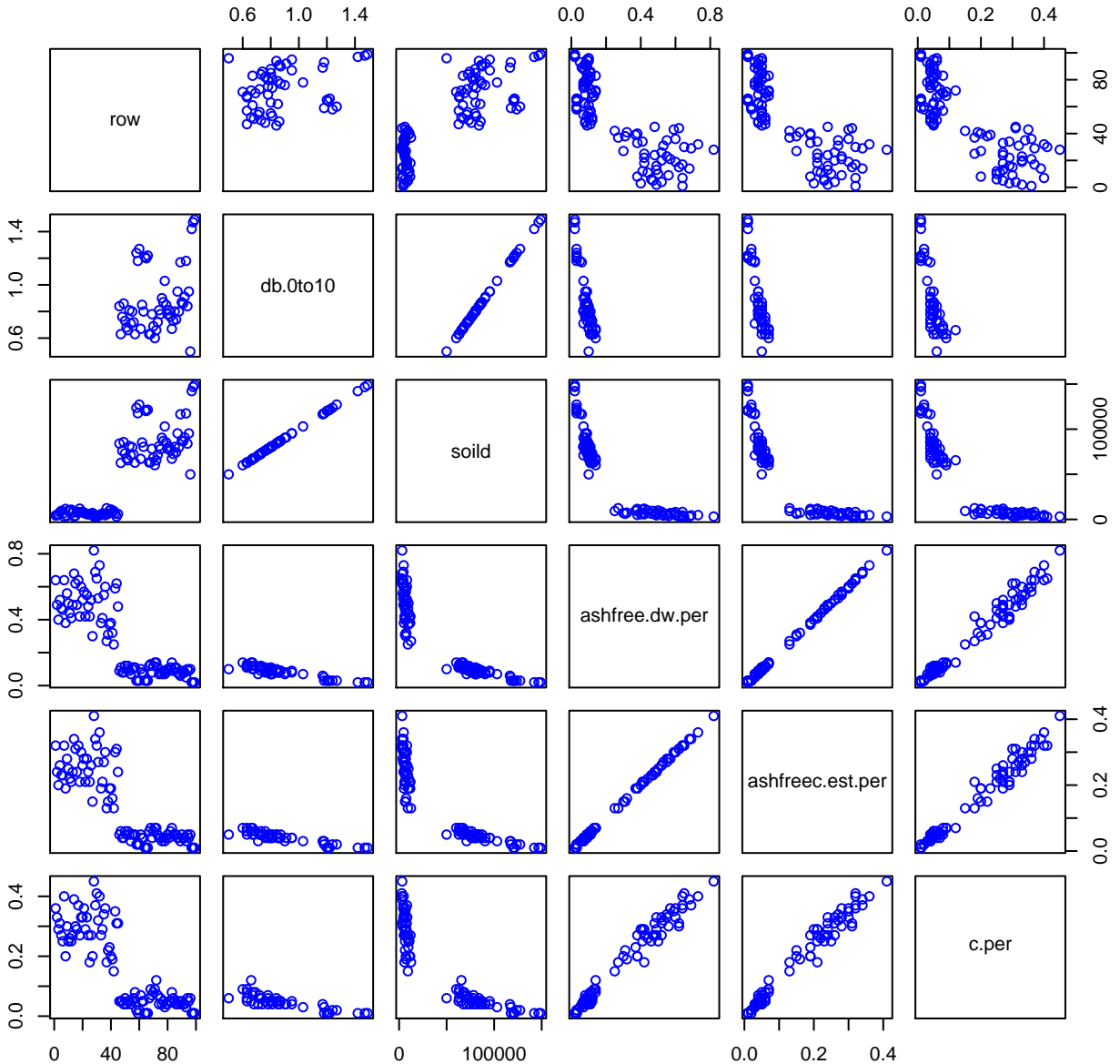
Name = hf007-10-soil-prop-1995.csv
Description = soil properties - 1995
Rows = 99 Columns = 26
MD5 checksum = 5dd697c8453496d1da0a2987e66479fe

Variables:

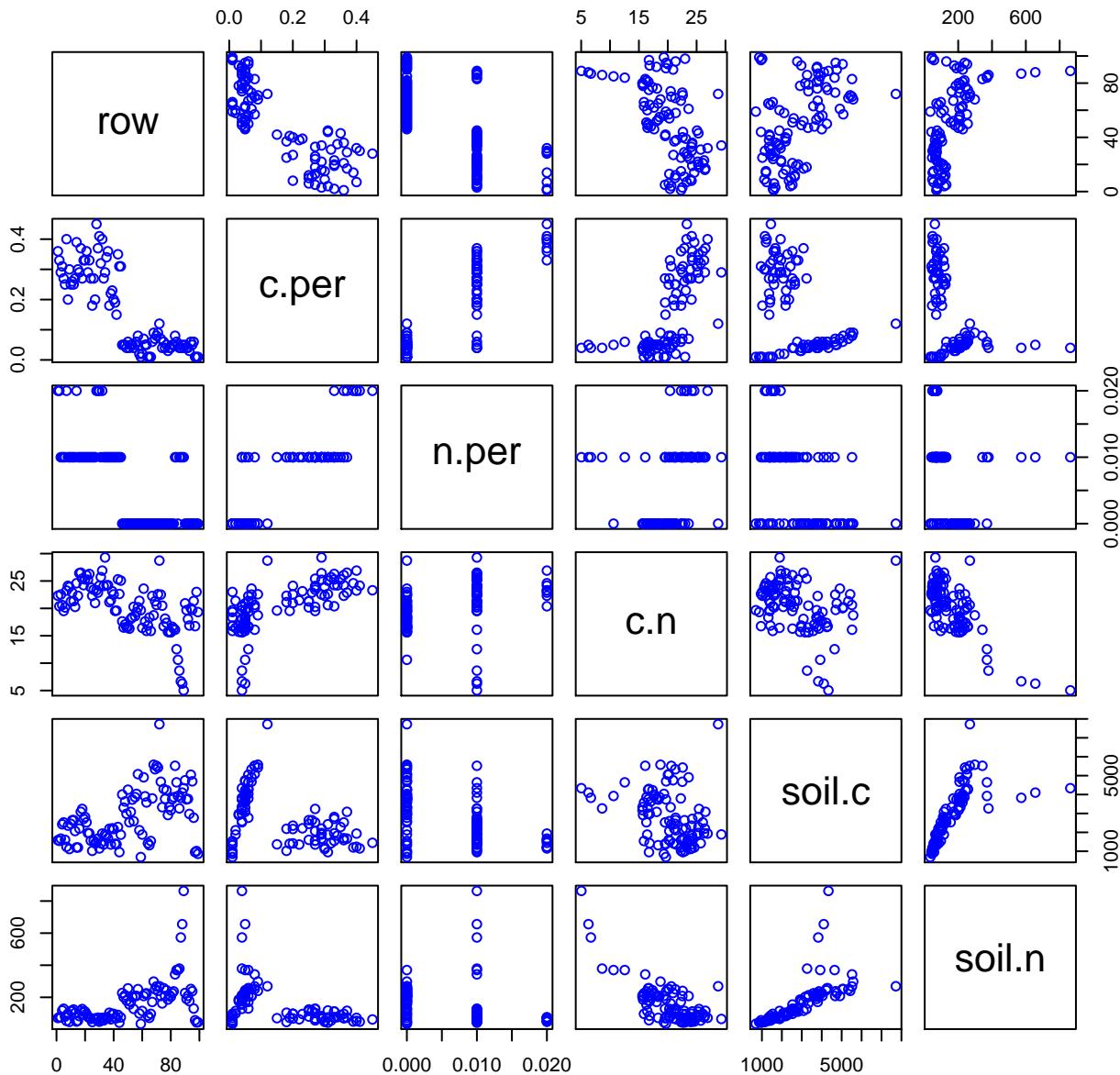
db.0to10 = bulk density (gramsPerCubicCentimeter)
soild = soil weight per meter squared. Used sample weight to
calculate mass/area for Oea soils, because Db was not measured directly.
Mineral soil: soil mass is calculated as Db * 105
(kilogramsPerSquareMeter)
ashfree.dw.per = % ash-free dry weight (number)
ashfreec.est.per = estimated % ash-free % carbon; calculated as (%
ash free dry weight)/2 (number)
c.per = % C determined by Elemental Analyzer (number)
n.per = % N determined by Elemental Analyzer (number)
c.n = ratio of %C/%N (number)
soil.c = soil carbon content, g C per m2 ground area
(gramsPerSquareMeter)
soil.n = Soil nitrogen content, g N per m2 ground area
(gramsPerSquareMeter)
exch.ca = exchangeable calcium, centimoles of charge per kg dry
weight soil (centimolePerKilogram)
exch.mg = exchangeable magnesium, centimoles of charge per kg dry
weight soil (centimolePerKilogram)
exch.k = exchangeable potassium, centimoles of charge per kg dry
weight soil (centimolePerKilogram)
exch.na = exchangeable sodium, centimoles of charge per kg dry
weight soil (centimolePerKilogram)
exch.bases = sum of exchangeable cations, centimoles of charge per
kg dry weight soil (centimolePerKilogram)
exch.al = exchangeable aluminum, centimoles of charge per kg dry
weight soil (centimolePerKilogram)
exch.h = exchangeable acidity (H+), centimoles of charge per kg dry
weight soil (centimolePerKilogram)
total.acidity = exchangeable acidity + exchangeable aluminum
(centimolePerKilogram)
cec = sum of exchangeable bases and acidity (centimolePerKilogram)
base.sat = (Exchangeable bases* 100)/CEC (number)
ph = see method for pH (number)
h = [H+], the inverse log of pH (number)

Variable	Min	Median	Mean	Max	NAs
db.0to10	0.500	0.805	0.873	1.490	45
soild	2803.000	63158.000	50671.354	148904.000	0
ashfree.dw.p	0.020	0.120	0.274	0.820	0
ashfreec.est	0.010	0.060	0.137	0.410	0
c.per	0.010	0.080	0.160	0.450	0
n.per	0.000	0.010	0.006	0.020	0
c.n	5.030	20.600	20.230	29.290	0
soil.c	694.000	2593.000	2828.364	7719.000	0
soil.n	35.000	116.000	161.182	863.000	0
exch.ca	0.000	0.450	1.765	11.400	2
exch.mg	0.020	0.150	0.751	3.130	2
exch.k	0.040	0.160	0.425	2.030	4
exch.na	0.000	0.050	0.075	0.350	2
exch.bases	0.180	0.805	3.020	15.160	3
exch.al	0.810	4.940	5.323	14.880	1
exch.h	-1.150	3.245	2.914	8.280	1
total.acidit	0.050	1.385	3.356	11.100	1
cec	0.780	4.750	5.792	18.580	2
base.sat	0.050	0.240	0.399	1.210	4
ph	3.020	3.710	3.625	4.570	66
h	0.000	0.000	0.000	0.001	66

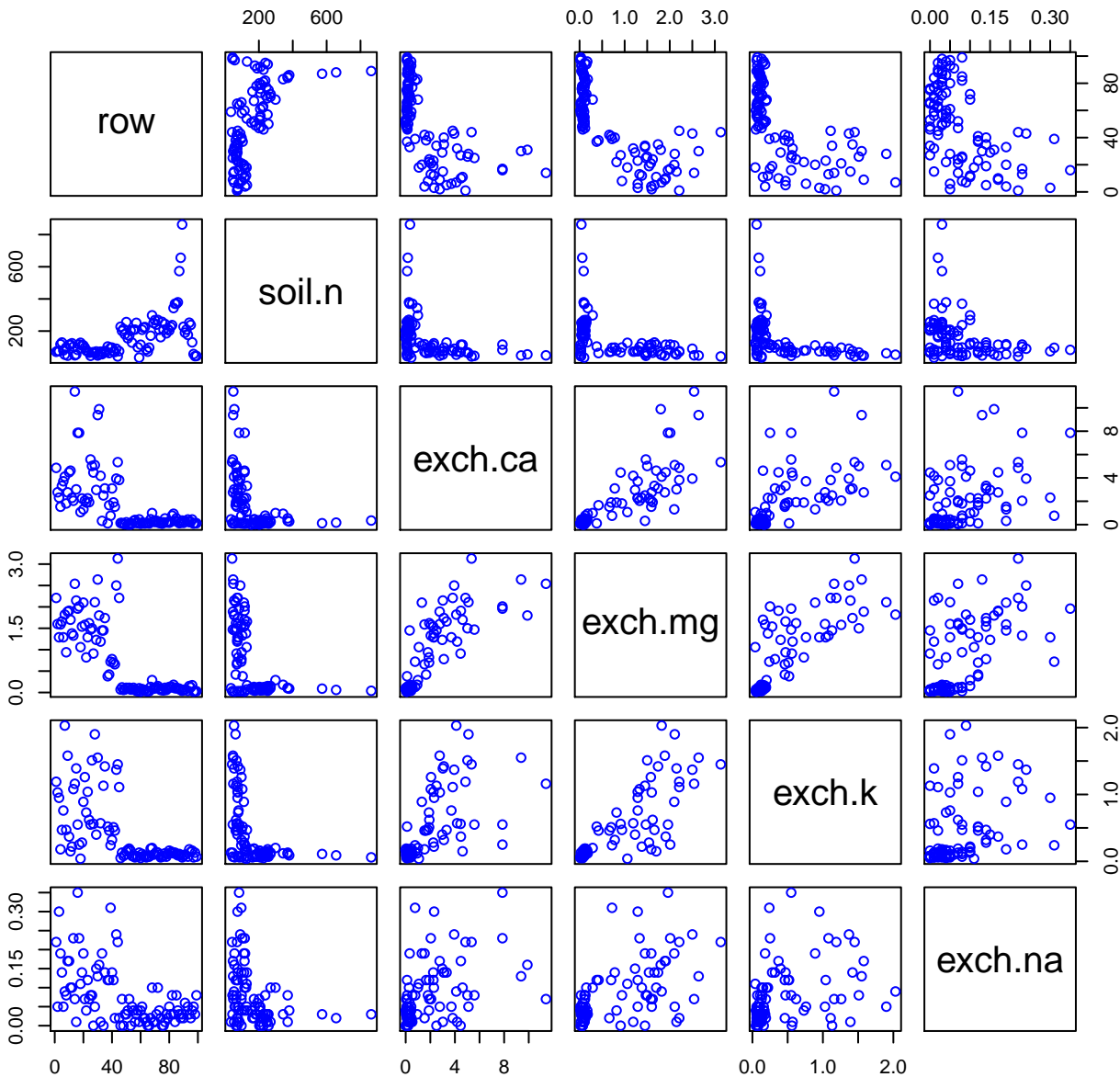
HF007-10 Plot 1



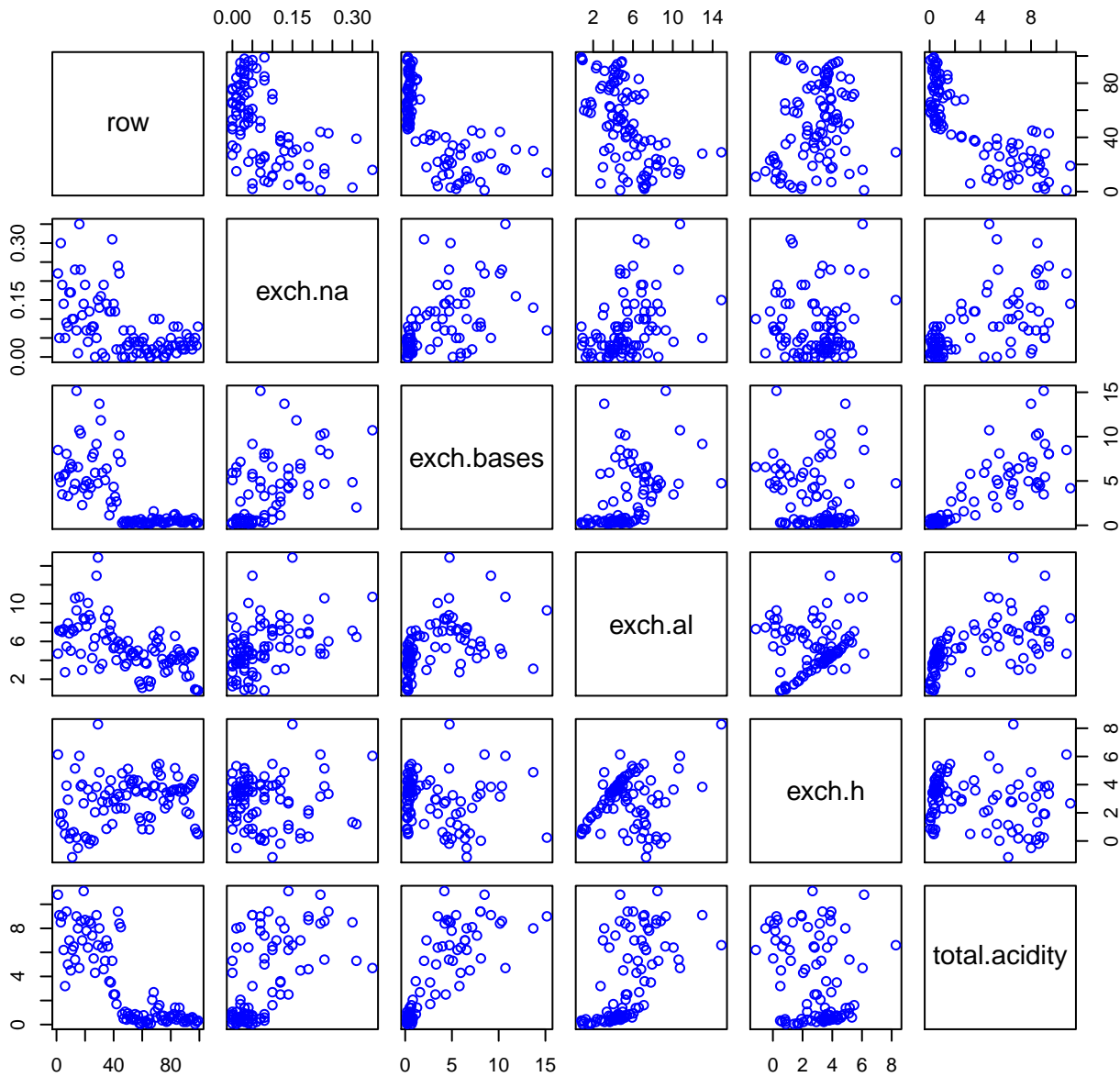
HF007-10 Plot 2



HF007-10 Plot 3



HF007-10 Plot 4



HF007-10 Plot 5

