Harvard Forest Data Archive HF125−02

Data File:

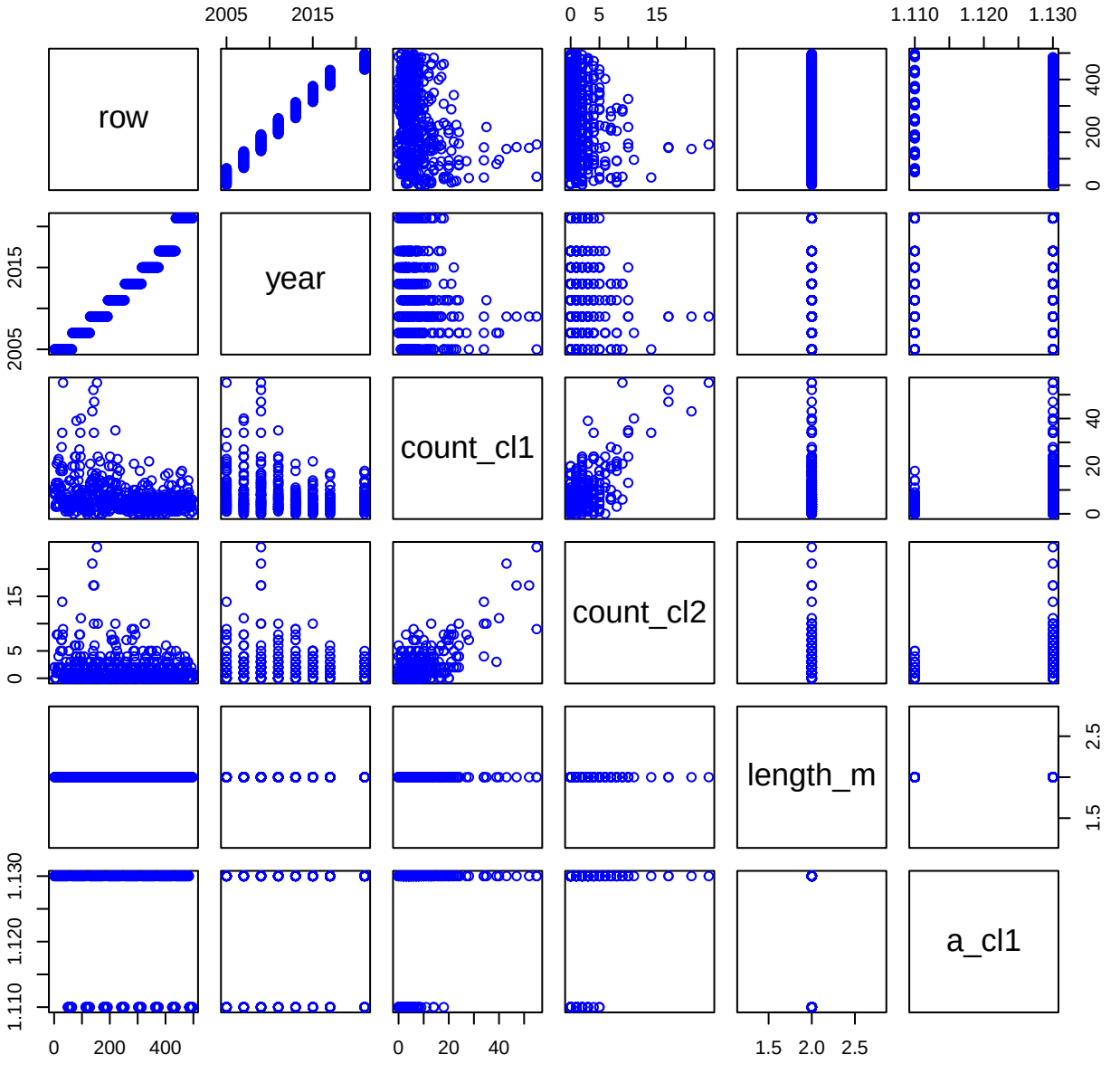
Name = hf125−02−fwd.csv
Description = fine woody debris
Rows = 497 Columns = 17
MD5 checksum = 4efabaed5893c39bfa0e6fee7761accb

Variables:

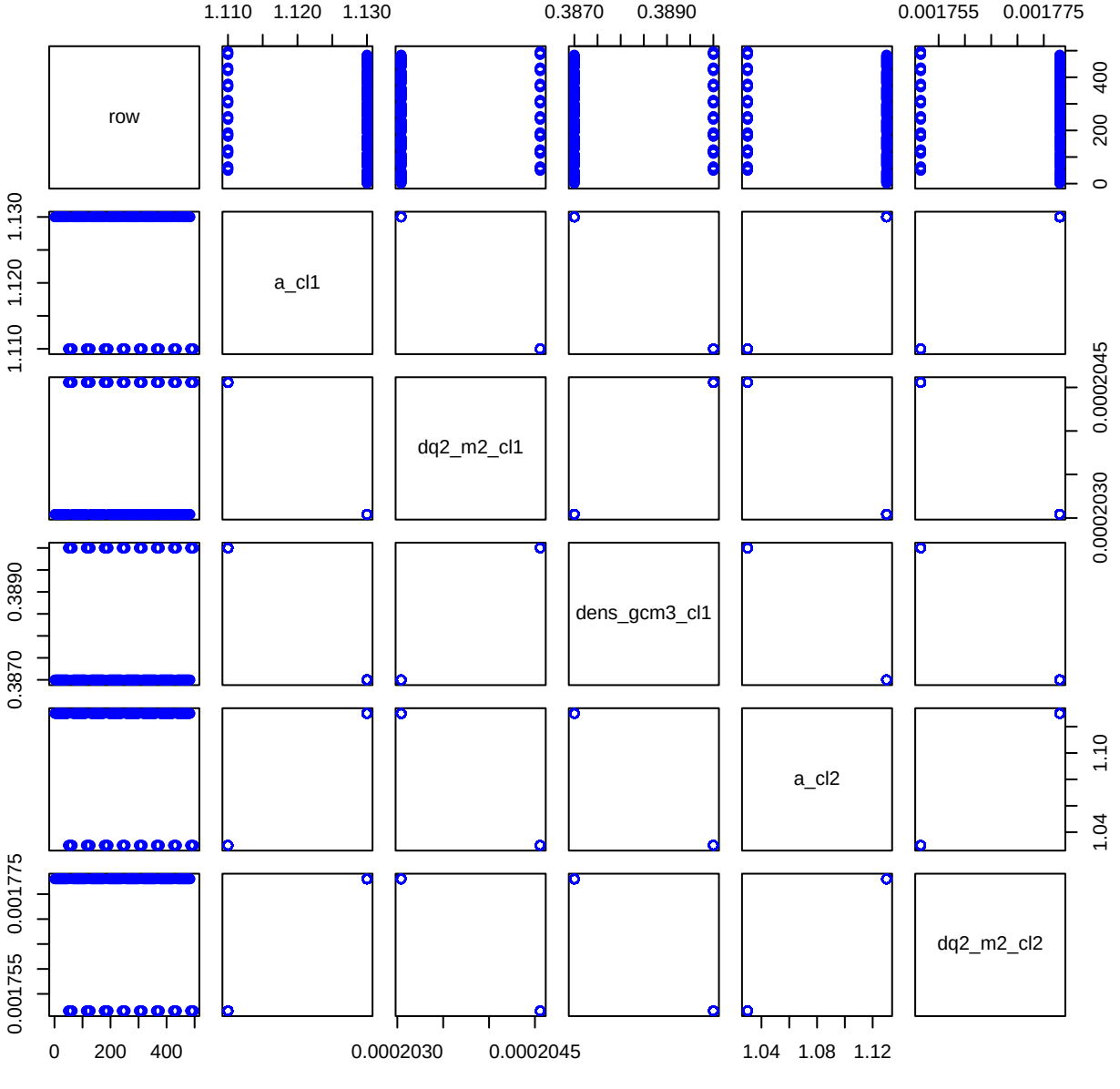
year = year
count_cl1 = number of pieces in size class 1 (0.6−2.5cm diameter) along the 2m of the transect sampled (number)
count_cl2 = number of pieces in size class 2 (2.5−7.5cm diameter) along the 2m of the transect sampled (number)
length_m = length of transect sampled (2m in all cases for this data set) (meter)
a_cl1 = average secant (a) for correcting orientation bias used in planar or linear intercept methods (from Table 3; Harmon and Sexton 1996); size class 1 (dimensionless)
dq2_m2_cl1 = squared average quadratic mean diameter for size class 1, m2 (based on sample of FWD collected from this study in 2005) (squareMeter)
dens_gcm3_cl1 = bulk density by species/species group for size class 1 (from Table 3; Harmon and Sexton 1996) (gramsPerCubicCentimeter)
a_cl2 = average secant (a) for correcting orientation bias used in planar or linear intercept methods (from Table 3; Harmon and Sexton 1996); size class 2 (dimensionless)
dq2_m2_cl2 = squared average quadratic mean diameter for size class 2, m2 (based on sample of FWD collected from this study in 2005) (squareMeter)
dens_gcm3_cl2 = bulk density by species/species group for size class 2 (from Table 3; Harmon and Sexton 1996) (gramsPerCubicCentimeter)
vol_cl1_m3m2 = volume of FWD in size class 1. V= 9.869 * N * a * (dq2/(8L) See Methods (meterCubedPerMeterSquared)
vol_cl2_m3m2 = volume of FWD in size class 2. V= 9.869 * N * a * (dq2/(8L) See Methods (meterCubedPerMeterSquared)
mass_cl1_gm2 = mass of FWD in size class 1. Vol.cl1.m3m2 * dens.gcm3.cl1/0.000001 (gramsPerSquareMeter)
mass_cl2_gm2 = mass of FWD in size class 2. Vol.cl2.m3m2 * dens.gcm3.cl2/0.000001 (gramsPerSquareMeter)

Variable	Min	Median	Mean	Max	NAs
year	2005.000	2011.000	2012.155	2021.000	0
count_cl1	0.000	5.000	7.266	55.000	1
count_cl2	0.000	1.000	1.677	24.000	1
length_m	2.000	2.000	2.000	2.000	0
a_cl1	1.110	1.130	1.125	1.130	0
dq2_m2_cl1	0.000	0.000	0.000	0.000	0
dens_gcm3_cl	0.387	0.387	0.388	0.390	0
a_cl2	1.030	1.130	1.107	1.130	0
dq2_m2_cl2	0.002	0.002	0.002	0.002	0
dens_gcm3_cl	0.342	0.389	0.378	0.389	0
vol_cl1_m3m2	0.000	0.001	0.001	0.008	1
vol_cl2_m3m2	0.000	0.001	0.002	0.030	1
mass_cl1_gm2	0.000	273.841	397.822	3012.251	1
mass_cl2_gm2	0.000	482.085	793.515	11570.030	1

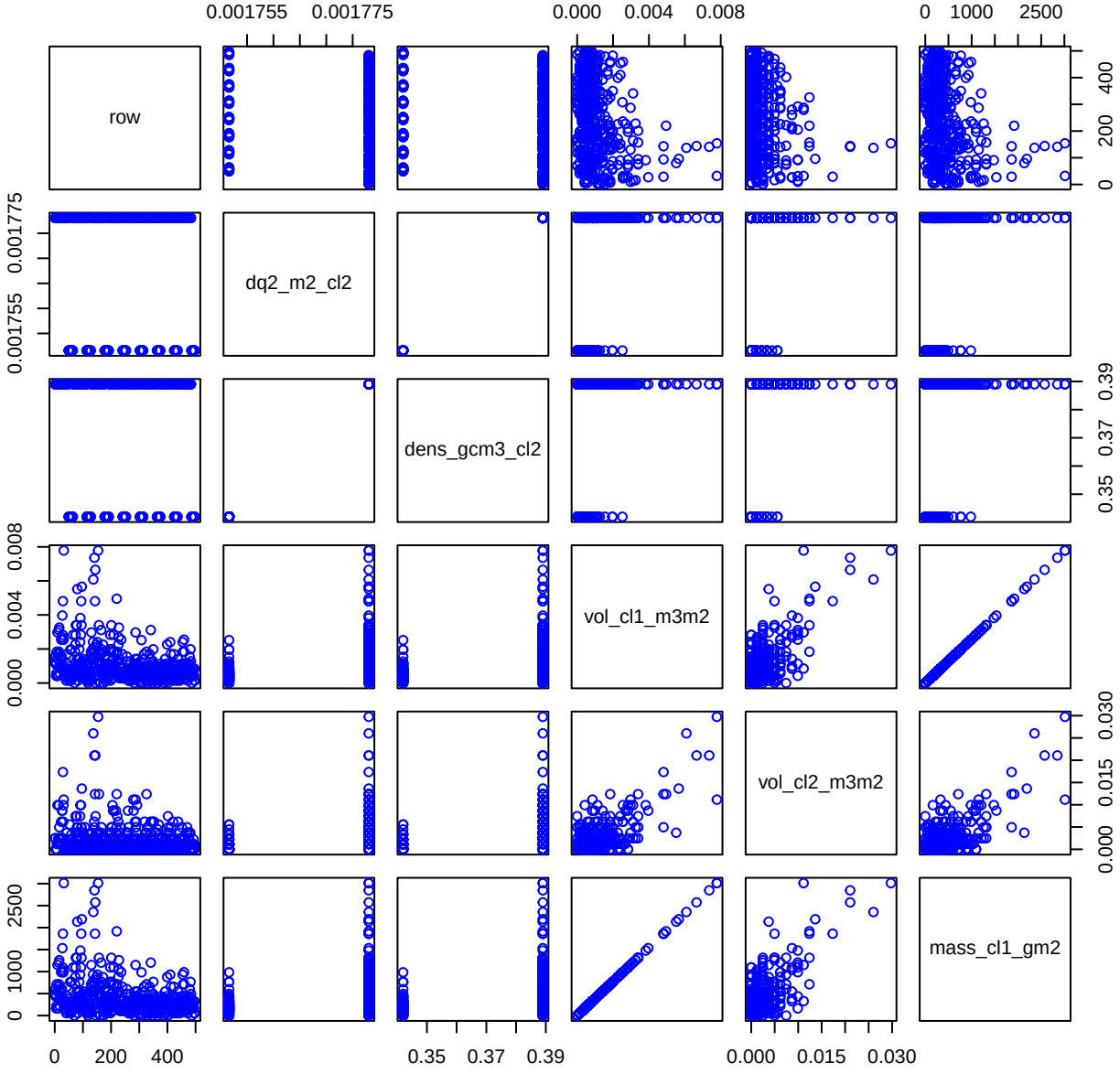
HF125−02 Plot 1



HF125−02 Plot 2



HF125−02 Plot 3



HF125−02 Plot 4