

Harvard Forest Data Archive HF271-03

Data File:

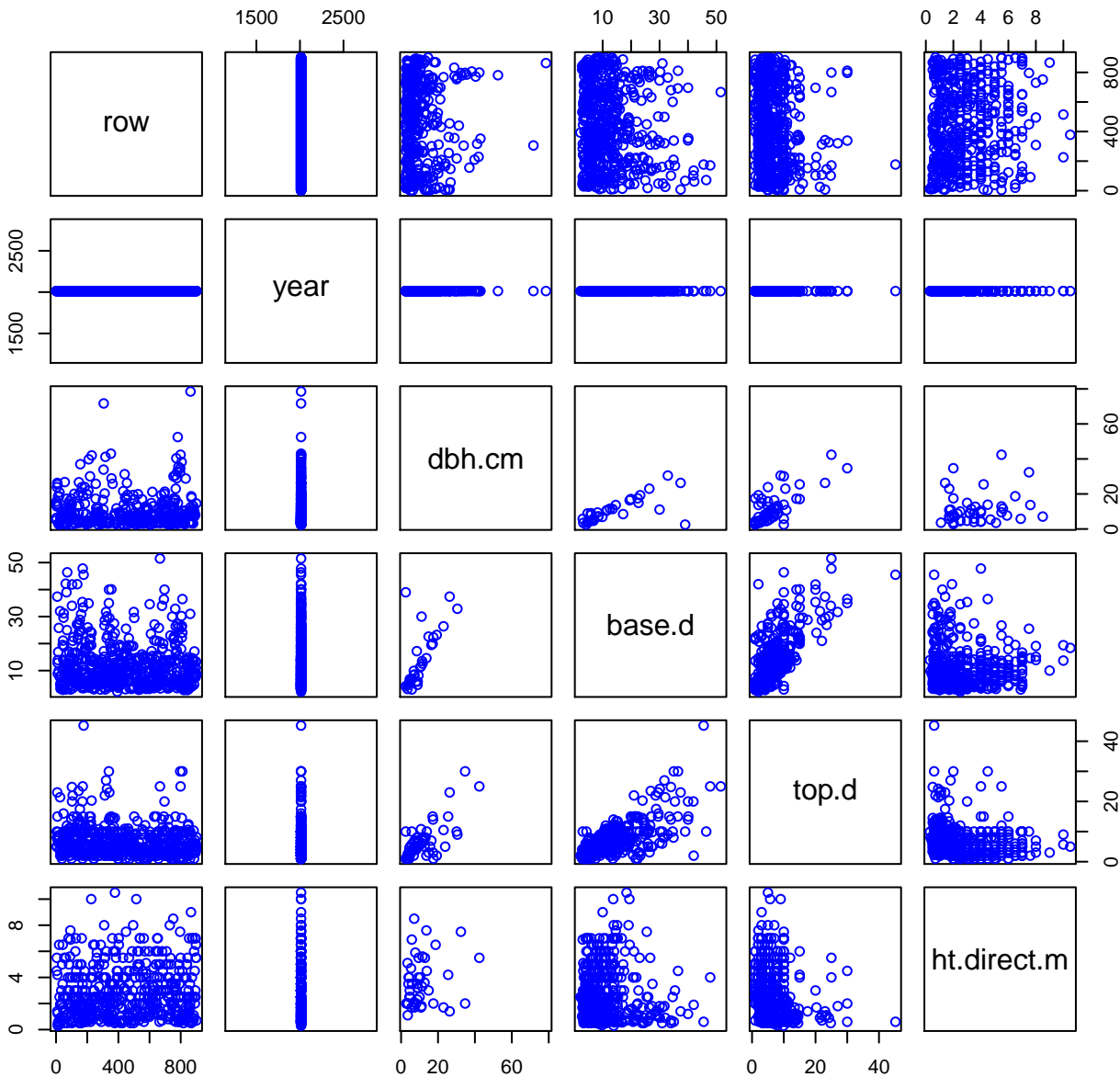
Name = hf271-03-snags.csv
Description = standing dead trees
Rows = 901 Columns = 22
MD5 checksum = eb4e618b3bfa0a672648c5e0c60fa59e

Variables:

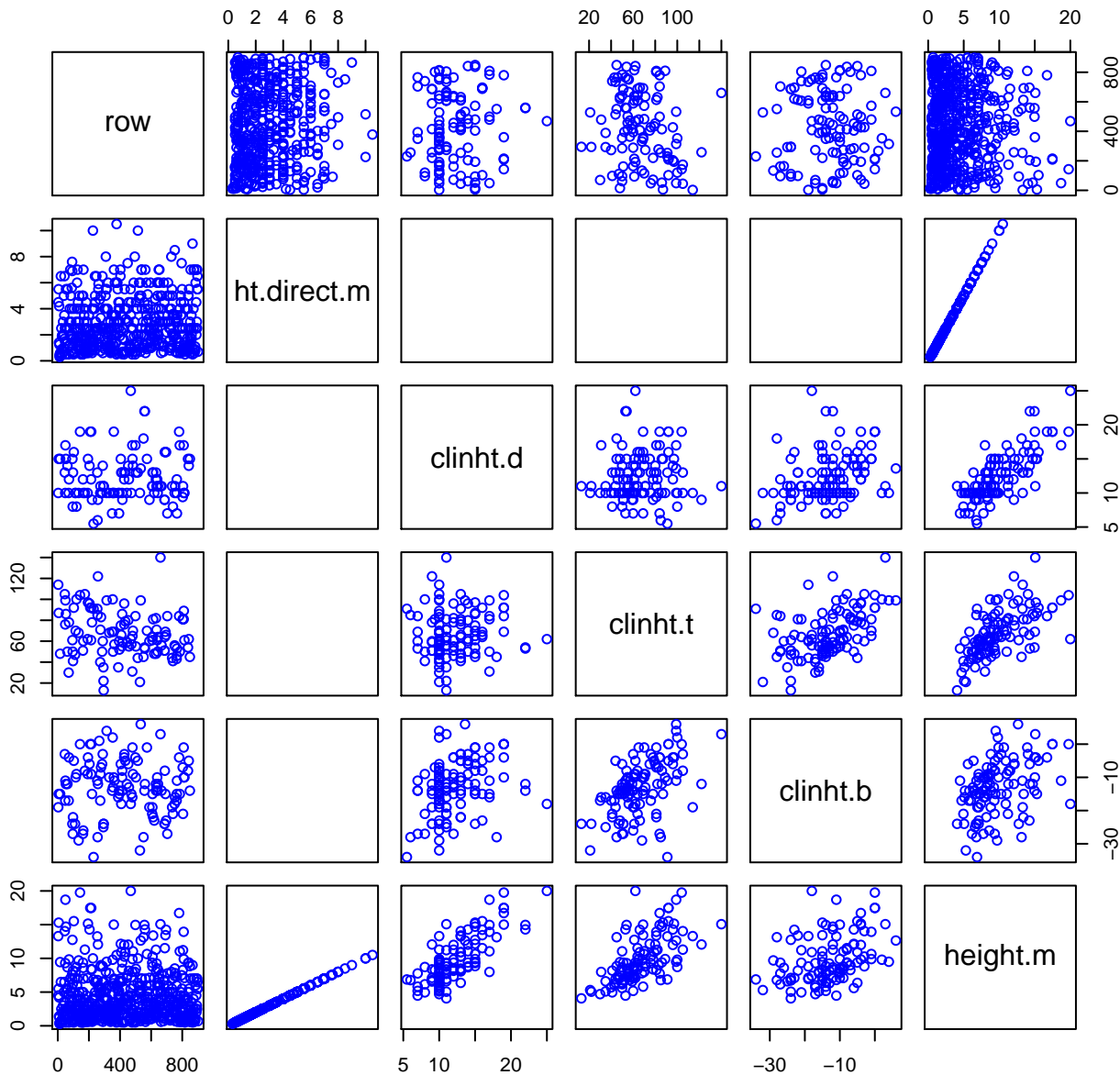
year = year, 2013
dbh.cm = diameter at breast height for the dead tree (centimeter)
base.d = diameter at the base of the down wood piece (centimeter)
mid.d = diameter at the midpoint of the down wood piece (centimeter)
top.d = diameter at the midpoint of the down wood piece (centimeter)
ht.direct.m = height of wood piece in meters, measured directly with
 tape or estimated
 with pole (meter)
clinht.d = if height determined with clinometer, the distance
 measurement (meter)
clinht.t = if height determined with clinometer, the top
 measurement
 (percent) (dimensionless)
clinht.b = if height determined with clinometer, the bottom
 measurement
 (percent) (dimensionless)
height.m = height of snag (meters), either directly measured, or
 calculated by
 clinomter (ht = (clinht.t-clinht.b)*clinht.d) (meter)
dens.gcm3 = density, grams per cubic cm, based on species (species
 group) and decay
class values from Liu, W.H., D.M. Bryant, L.R. Hutyra,
 S.R. Saleska, E. Hammond-Pyle, D.
Curran and S.C. Wofsy. 2006. Woody
 debris contribution to the carbon budget of selectively
 logged and
 maturing mid-latitude forests. *Oecologia* 148:108-117. (gramPerMeterCubed)
volume.m3tree = calculated volume based on method specified, m3 (for
 the individual snag).
For method 4, volume is back-calculated using
 biomass calculated from allometries and the
 inverse of density, ie.,
 divide mass (g) by density (g/1000000*cm3) (cubicMeter)
vol.m3m2 = volume of snag, m3 per m2, based on snag volume and plot
 size (506.25m2).
Sum by plot to get total volume per unit area.
 (meterCubedPerMeterSquared)
biomass.g.tree = for method 4 only, mass of snag calculated by
 allometry (gram)
mass.gm2 = calculated mass in g/m2, based on volume per area (m3/m2)
 and density
 (g/cm3). Sum by plot to get total mass per unit area.
 (gramsPerSquareMeter)

Variable	Min	Median	Mean	Max	NAs
year	2013.000	2013.000	2013.000	2013.000	0
dbh.cm	2.500	7.200	10.520	78.500	533
base.d	2.200	9.600	12.091	51.500	334
mid.d					901
top.d	1.000	5.000	6.512	45.200	317
ht.direct.m	0.300	2.500	2.849	10.500	419
clinht.d	5.500	11.000	12.305	25.000	788
clinht.t	13.000	64.000	67.071	140.000	788
clinht.b	-34.000	-12.500	-12.904	6.000	787
height.m	0.300	3.000	4.171	20.000	306
dens.gcm3	0.260	0.360	0.402	0.580	0
volume.m3tre	0.001	0.027	0.152	7.780	18
vol.m3m2	0.000	0.000	0.000	0.015	18
biomass.g.tr	496	9264	74020	2800958	599
mass.gm2	0.602	20.240	115.445	5532.757	18

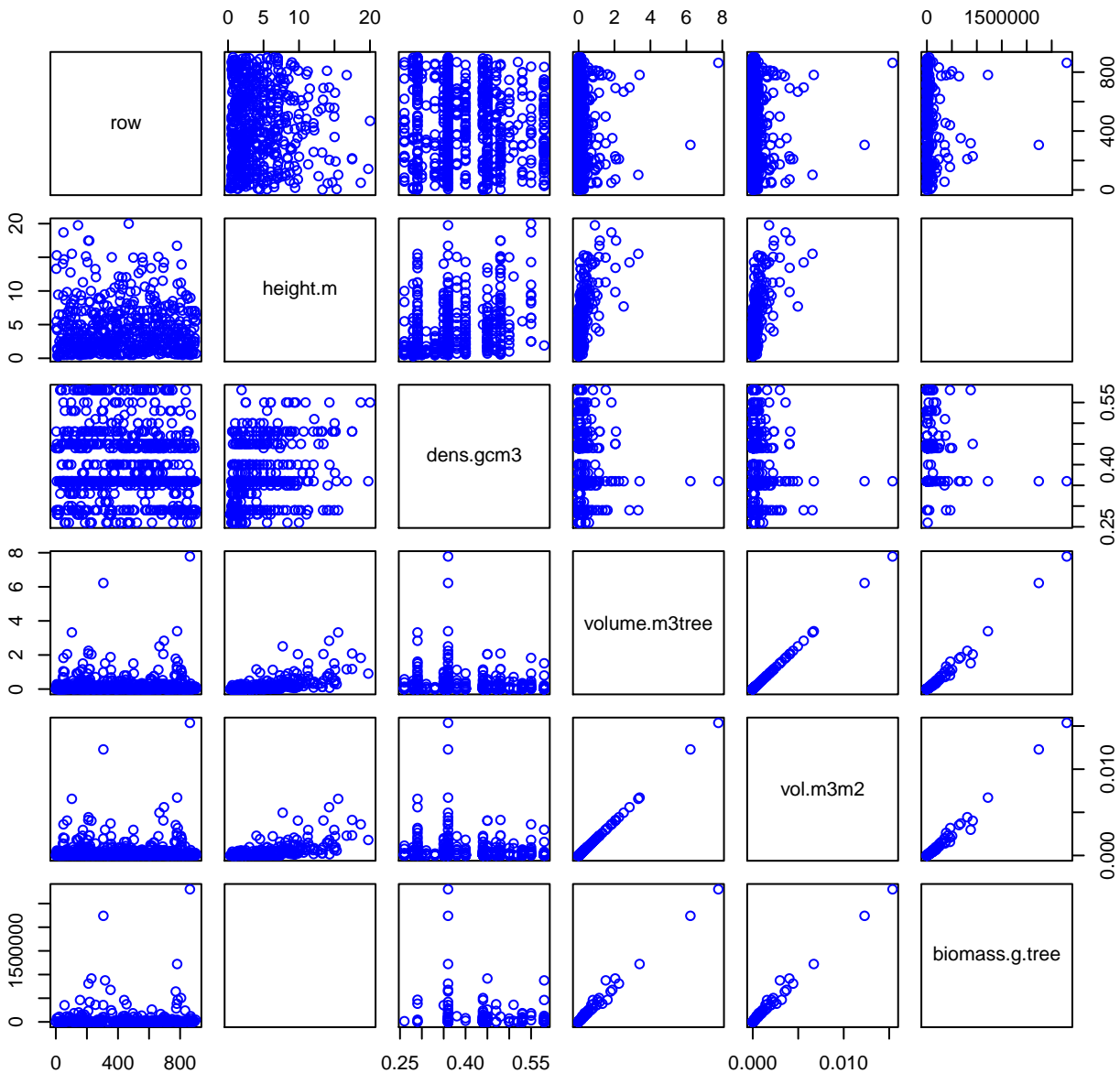
HF271-03 Plot 1



HF271-03 Plot 2



HF271-03 Plot 3



HF271-03 Plot 4

