Harvard Forest Data Archive HF131−01

Data File:

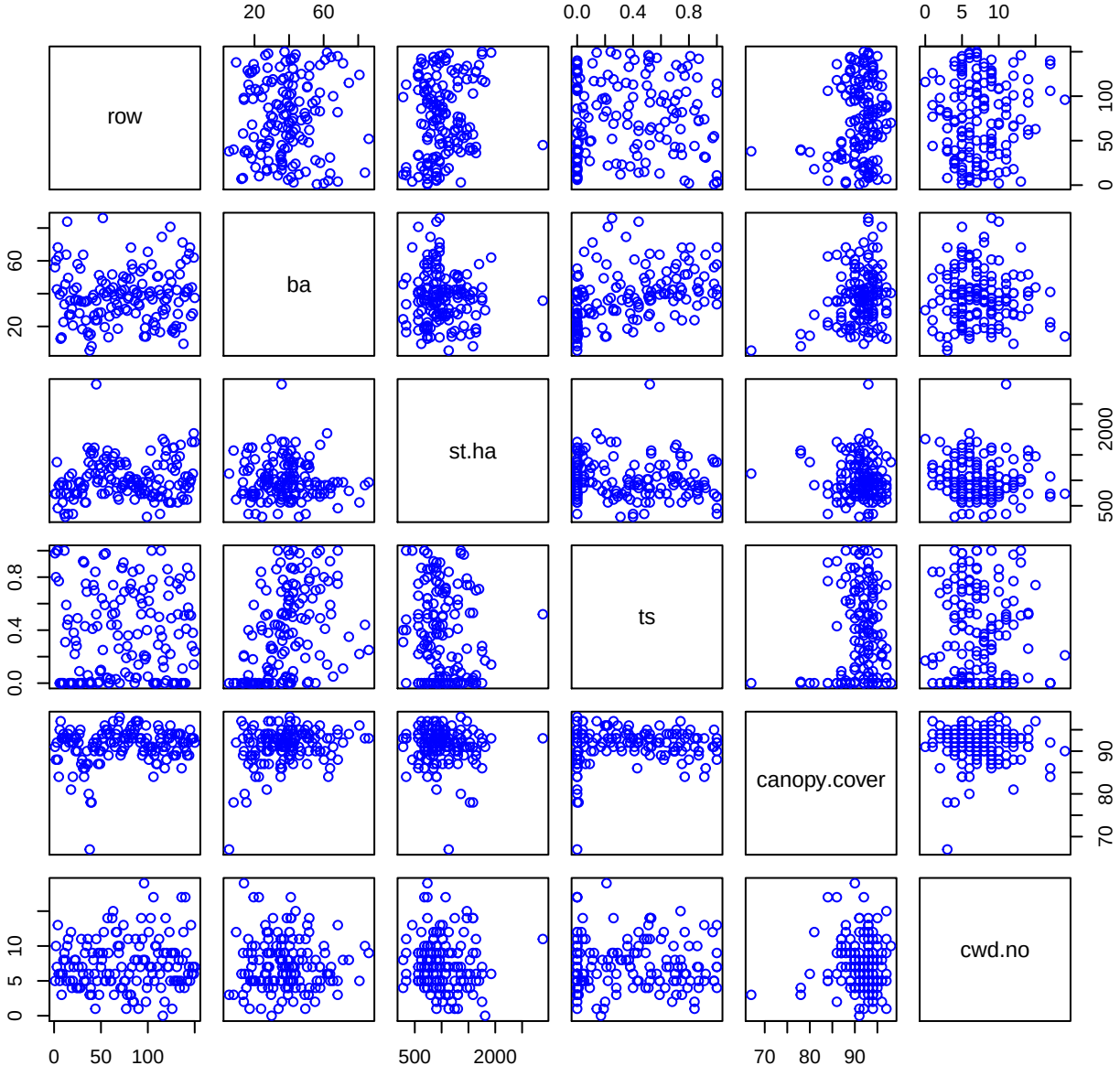
Name = hf131−01−plot.csv
Description = plot
Rows = 150 Columns = 23
MD5 checksum = 3c2fb6351cef48db8ecd83c4663b18d8

Variables:

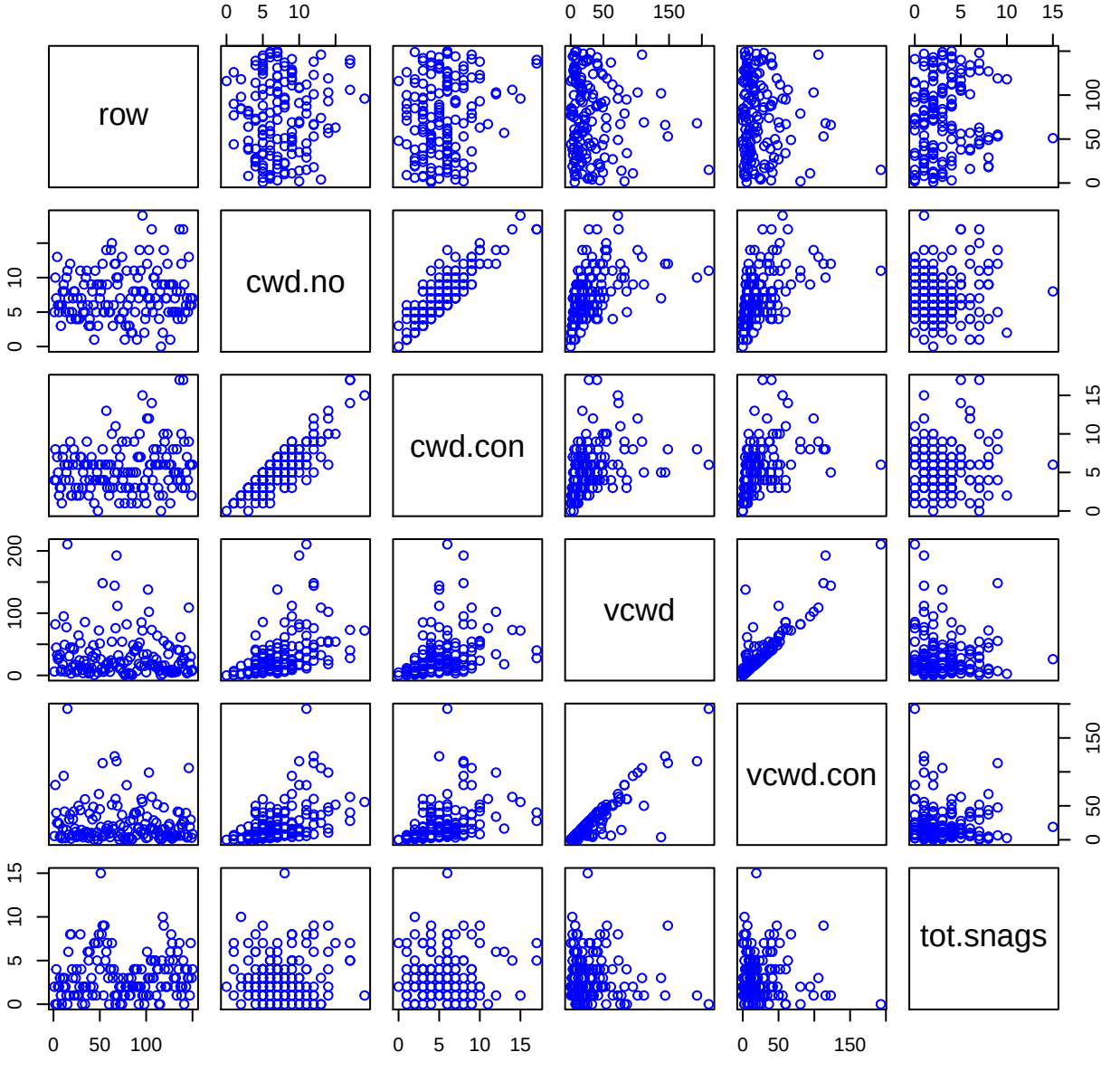
ba = average basal area as measured in a 7.5m radius subplot surrounding the ACO station (meterSquaredPerHectare)
st.ha = average number of stems (DBH > 5cm) per hectare as measured in a 7.5m radius subplot surrounding the ACO station (stems / hectare) (numberPerHectare)
ts = the percentage of overall basal area accounted for by eastern hemlock in a 7.5 m radius sub−plot surrounding the ACO station (dimensionless)
canopy.cover = percentage canopy cover above center point of ASN as measured by densitometer (dimensionless)
cwd.no = number of pieces of coarse woody debris (diameter greater than 2.5 cm) encountered along three 7.5m transects originating from center point of ACO station at 30°, 150°, and 270° (number)
cwd.con = number of pieces of coarse woody debris (diameter greater than 2.5 cm) in contact with the soil encountered along three 7.5m transects originating from center point of ACO station at 30°, 150°, and 270°. (number)
vcwd = all pieces of coarse woody debris (diameter greater than 2.5 cm) encountered along three 7.5m transects originating from center point of ACO station at 30°, 150°, and 270° were measured and the volume of coarse woody debris was then calculated using the formula V= 9.869* (d /8L), where L is squared (Harmon & Sexton 1996) (meterCubedPerHectare)
vcwd.con = all pieces of coarse woody debris (diameter greater than 2.5 cm) in contact with the soil encountered along three 7.5m transects originating from the center point of each ACO station at 30°, 150°, and 270° were measured and the volume of coarse woody debris was then calculated using the formula V= 9.869* (d /8L), where L is transect length and d is diameter of CWD squared (Harmon & Sexton 1996) (meterCubedPerHectare)
tot.snags = total number of snags within 7.5 m sub−plot around center point of ASN (number)
avg.snag.ht = average height of snags in 7.5 m sub−plot surrounding ACO station (meter)
avg.snag.dbh = average diameter at breast height of snags in 7.5 m sub−plot surrounding ACO station (centimeter)
soil.ph = soil pH measured from soil sample of organic layer taken at one randomly selected point in each sub−plot (−log[H+]) (dimensionless)

Variable	Min	Median	Mean	Max	NAs
ba	5.300	38.100	38.298	86.100	0
st.ha	283.000	962.000	1013.043	2886.000	0
ts	0.000	0.355	0.370	1.000	0
canopy.cover	67.000	92.000	91.289	98.000	1
cwd.no	0.000	7.000	7.367	19.000	0
cwd.con	0.000	5.000	5.487	17.000	0
vcwd	0.000	19.000	31.623	210.500	0
vcwd.con	0.000	15.000	24.050	192.900	0
tot.snags	0.000	3.000	3.227	15.000	0
avg.snag.ht	0.000	6.000	5.789	18.000	1
avg.snag.dbh	0.000	10.500	11.867	45.000	0
soil.ph	3.095	3.792	3.903	4.956	0

HF131−01 Plot 1



HF131−01 Plot 2



HF131−01 Plot 3