

Harvard Forest Data Archive HF107-01

Data File:

Name = hf107-01-light.csv

Description = light data

Rows = 4880 Columns = 16

MD5 checksum = 883e4ac97deeb5cc2fed86fe39fb83eb

Variables:

date = date photograph taken

x = x-coordinate location, in meters, of the sample. Each plot of the Simes Tract is 90 x 90 m. (meter)

y = y-coordinate location, in meters, of the sample. Each plot at the Simes Tract is 90 x 90 m. (meter)

gsf = estimated proportion of global radiation (direct plus diffuse) under a plant canopy relative to that in the open (range: 0 - 1). (number)

dsf = estimated proportion of direct solar radiation reaching a given location, relative to that in a location with no sky obstruction (range: 0 - 1). (number)

isf = estimated proportion of diffuse solar radiation reaching a given location, relative to a location with no sky obstruction (range: 0 - 1). (number)

tot.be = estimated total radiation below the canopy, corrected for interception surface orientation (units: MJ m⁻² yr⁻¹) (range: greater than 0). (megajoulePerMeterSquaredPerYear)

dir.be = estimated direct radiation below the canopy, corrected for interception surface orientation (units: MJ m⁻² yr⁻¹) (range: greater than 0). (megajoulePerMeterSquaredPerYear)

lai = estimated leaf area index for the entire canopy (range: greater than 0) (number)

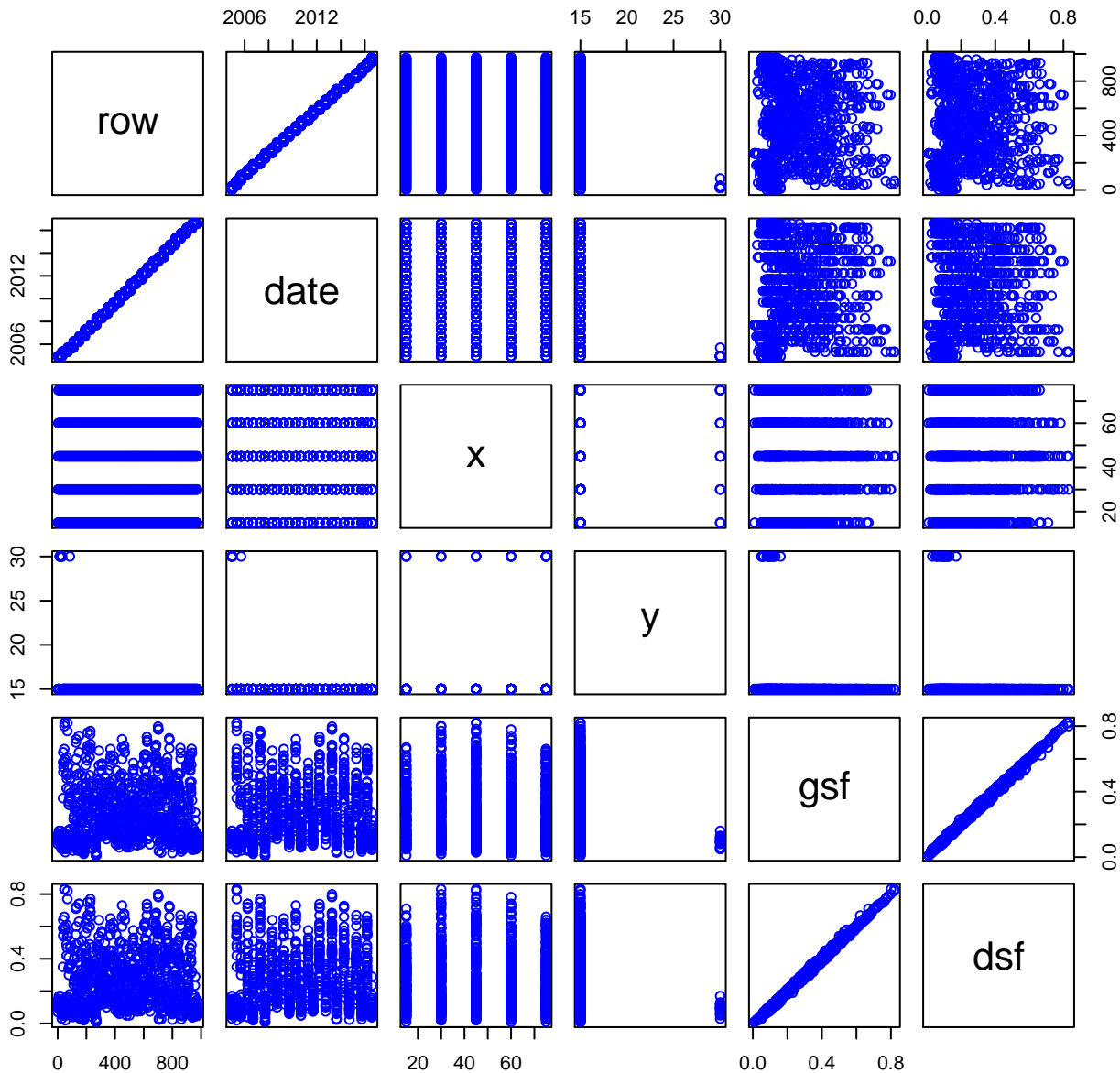
groundcover = estimated overall fraction of ground covered by canopy (range: 0 - 1). (number)

lai.dev = estimated uniformity of the canopy across the image (range: greater than 0) (number)

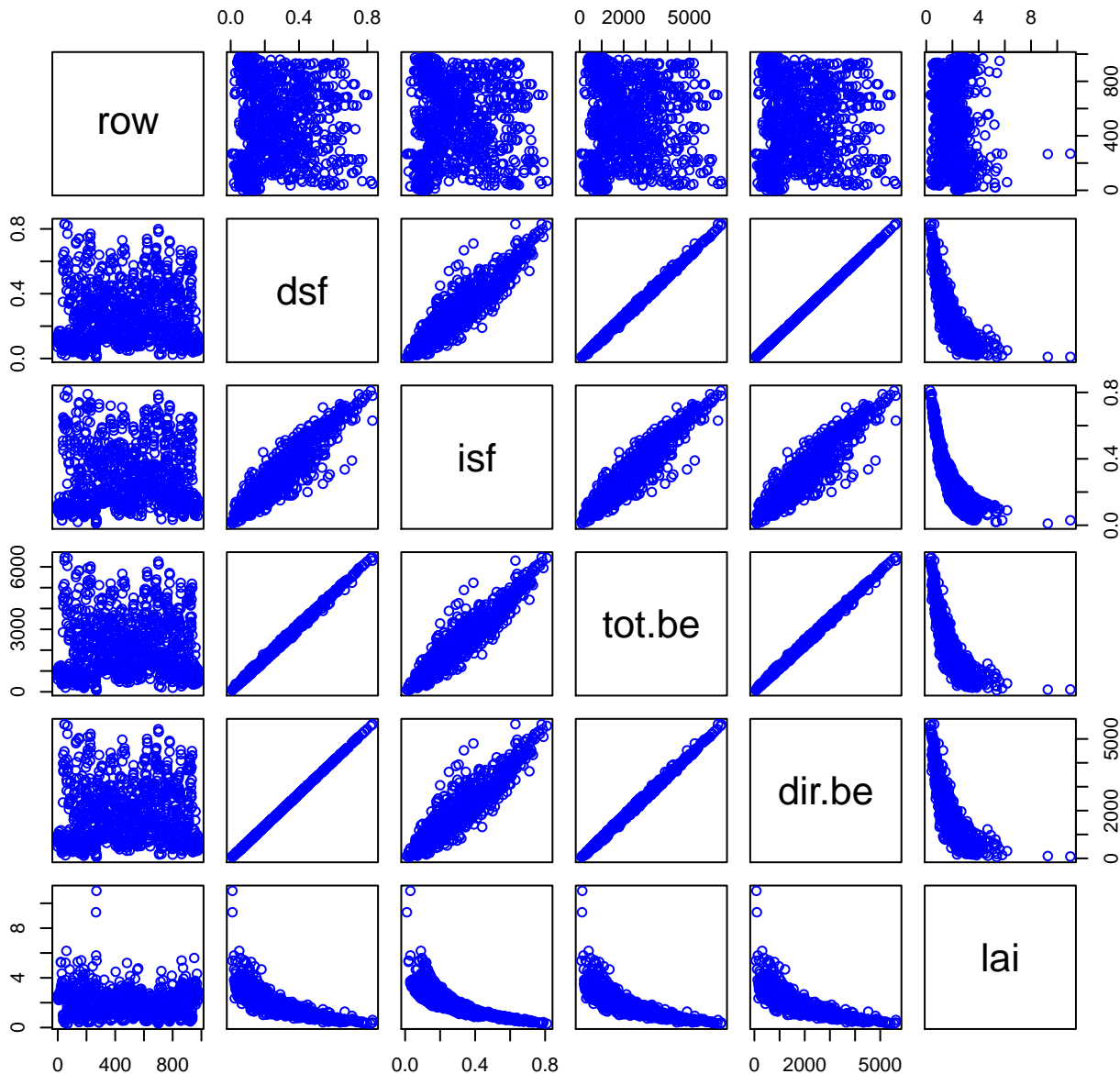
threshold = user-specified value used to classify the image into black and white pixels (range 0 - 255) (number)

Variable	Min	Median	Mean	Max	NAs
date	2004-12-15	2010-09-08	2010-10-04	2016-07-30	0
x	15.000	45.000	44.580	75.000	0
y	15.000	45.000	45.000	75.000	0
gsf	0.000	0.230	0.287	0.890	9
dsf	0.000	0.230	0.286	0.900	9
isf	0.000	0.241	0.295	0.830	9
tot.be	24.000	1809.000	2255.519	6989.000	9
dir.be	7.000	1548.000	1936.685	6095.000	9
lai	0.290	1.833	1.959	11.000	9
gndcover	0.000	0.570	0.497	0.990	9
lai.dev	0.250	1.648	1.832	9.250	9
threshold	13.000	126.000	121.423	249.000	159

HF107-01 Plot 1



HF107-01 Plot 2



HF107-01 Plot 3

