Harvard Forest Data Archive HF126−03

Data File:

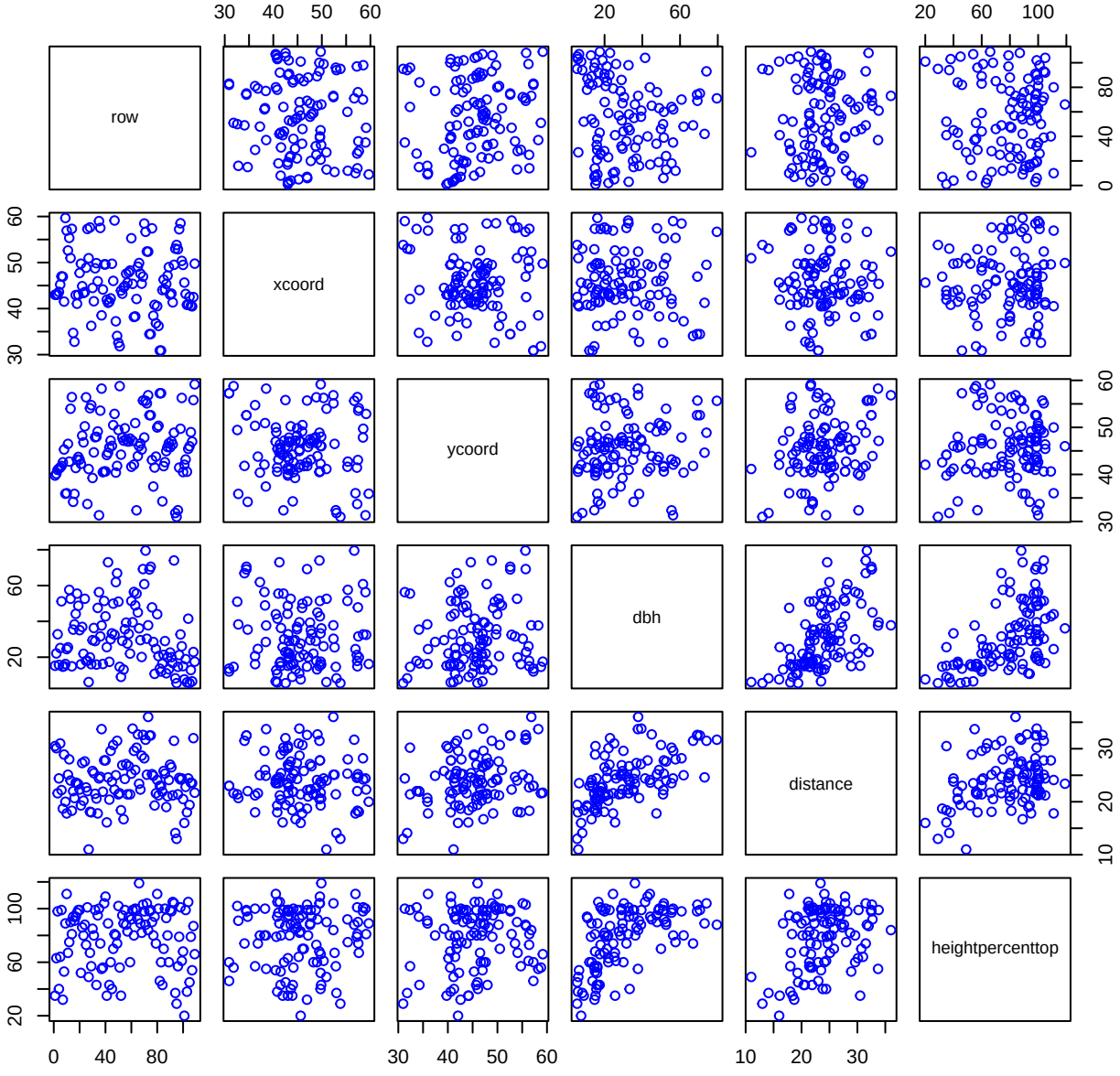
Name = hf126−03−height−crown.csv
Description = tree height and crown
Rows = 109 Columns = 18
MD5 checksum = 0ade696fc1b572c9dbb3427d8b7a13a0

Variables:

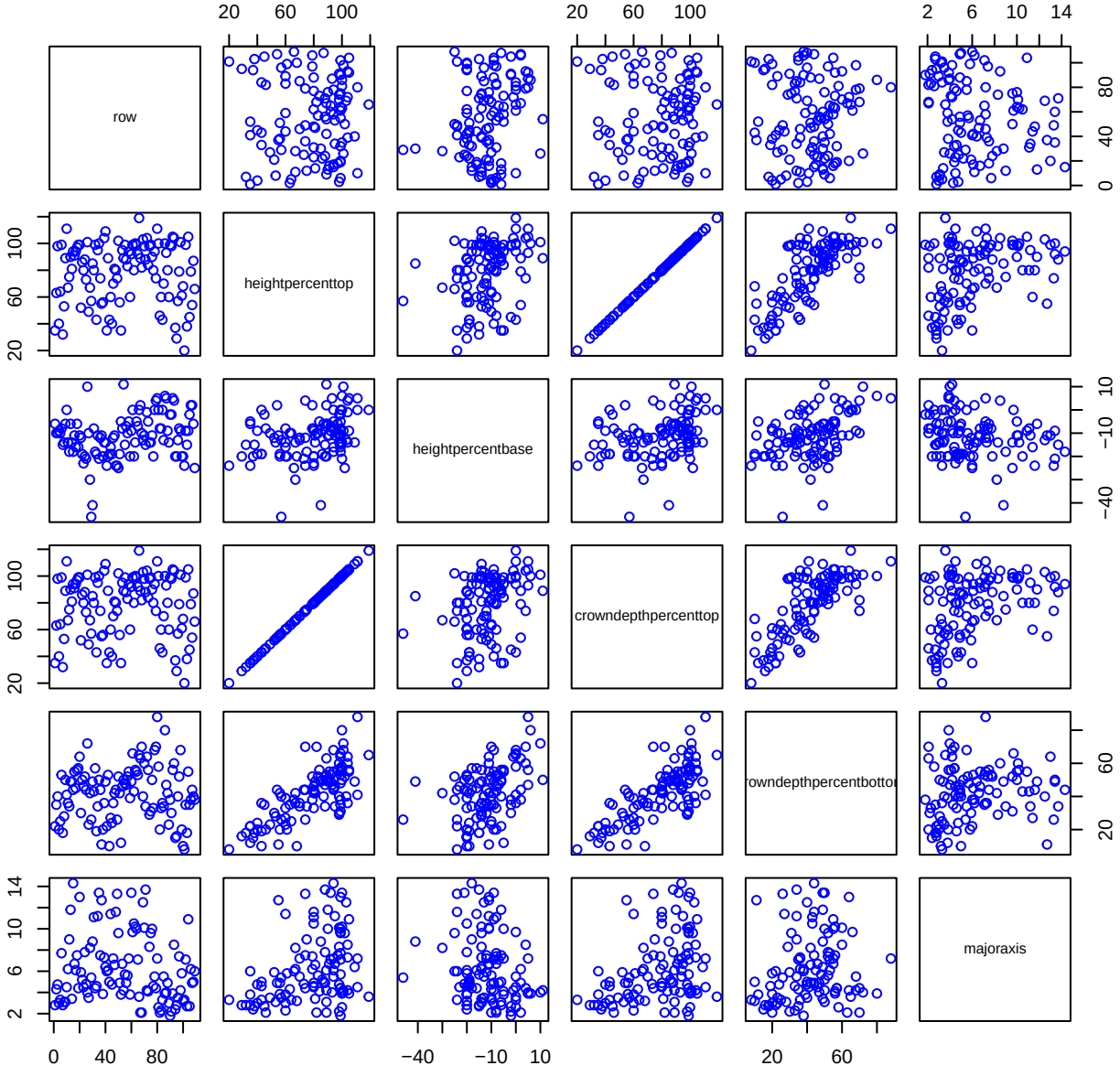
xcoord = the Cartesian coordinate identifying the location of the tree along the north−south axis of the plot (in meters; range is 30−60) (meter)
ycoord = the Cartesian coordinate identifying the location of the tree along the east−west axis of the plot (in meters; range is 30−60) (meter)
dbh = diameter breast height (1.3 meters), measured in centimeters using a dbh tape (centimeter)
distance = distance in meters from the tree at which the height and crown depth measurements were taken (meter)
heightpercenttop = the height percent to the top of the tree, measured using a clinometer (number)
heightpercentbase = the height percent to the base of the tree, measured using a clinometer (number)
crowndepthpercenttop = the height percent to the top of the live crown, measured from the same position as the height percent, also using the clinometer (number)
crowndepthpercentbottom = the height percent to the bottom of the live crown, measured from the same position as the height percent, also using the clinometer (number)
majoraxis = the length, in meters, of the crown diameter at its largest point (determined by visual inspection), measured with a 50 meter tape (meter)
minoraxis = the length, in meters, of the crown diameter at its smallest point (determined by visual inspection), measured with a 50 meter tape (meter)
height = the height (in meters) of the tree, calculated from the height percent and the distance at which that was measured = (distance*height percent top)/100)−((distance*height percent base)/100) (meter)
crowndepth = length of live crown in meters, using crown depth percentages, and the distance at which those were measured =((distance*crown depth percent top)/100)−((distance*crown depth percent bottom)/100) (meter)
meancrowndiameter = the average of the major and minor axes of the crown diameter = (major axis + minor axis)/2 (meter)

Variable	Min	Median	Mean	Max	NAs
xcoord	30.891	45.218	45.754	59.665	0
ycoord	30.979	45.766	45.645	59.157	0
dbh	5.500	28.500	31.308	79.500	0
distance	11.000	23.800	24.066	36.000	0
heightpercen	20.000	84.000	78.486	119.000	0
heightpercen	−46.000	−11.000	−11.376	11.000	0
crowndepthpe	20.000	84.000	78.486	119.000	0
crowndepthpe	8.000	43.000	41.991	88.000	0
majoraxis	1.800	5.400	6.235	14.300	0
minoraxis	1.100	4.200	4.893	14.000	0
height	6.370	22.242	21.945	37.816	0
crowndepth	0.864	9.030	9.010	22.425	0
meancrowndia	1.700	4.800	5.564	14.150	0

HF126−03 Plot 1



HF126−03 Plot 2



HF126−03 Plot 3