

Harvard Forest Data Archive HF082-03

Data File:

Name = hf082-03-soil.csv

Description = soil properties

Rows = 200 Columns = 14

MD5 checksum = b9316b5f35b4a9e1a1ac722c0d4d3299

Variables:

loi200 = percent organic matter by weight, determined by 4 hours at 550C, with soil collected in the spring (200 series) (dimensionless)

loi400 = percent organic matter by weight, determined by 4 hours at 550C, with soil collected in the summer (400 series). Loss on ignition was not done on the fall (600 series) collection. (dimensionless)

moisture200 = gravimetric moisture of spring collection calculated as: $(W-D)/D * 100$ where W = mass of fresh soil sample, D= mass of soil sample dried at 105C for 48 h (number)

moisture400 = gravimetric moisture of summer collection (number)

moisture600 = gravimetric moisture of fall collection (number)

core200 = dry mass of soil spring collection core after passed through No.3 $\frac{1}{2}$ sieve (gram)

core400 = dry mass of soil summer collection core after it passed through No.3 $\frac{1}{2}$ sieve (gram)

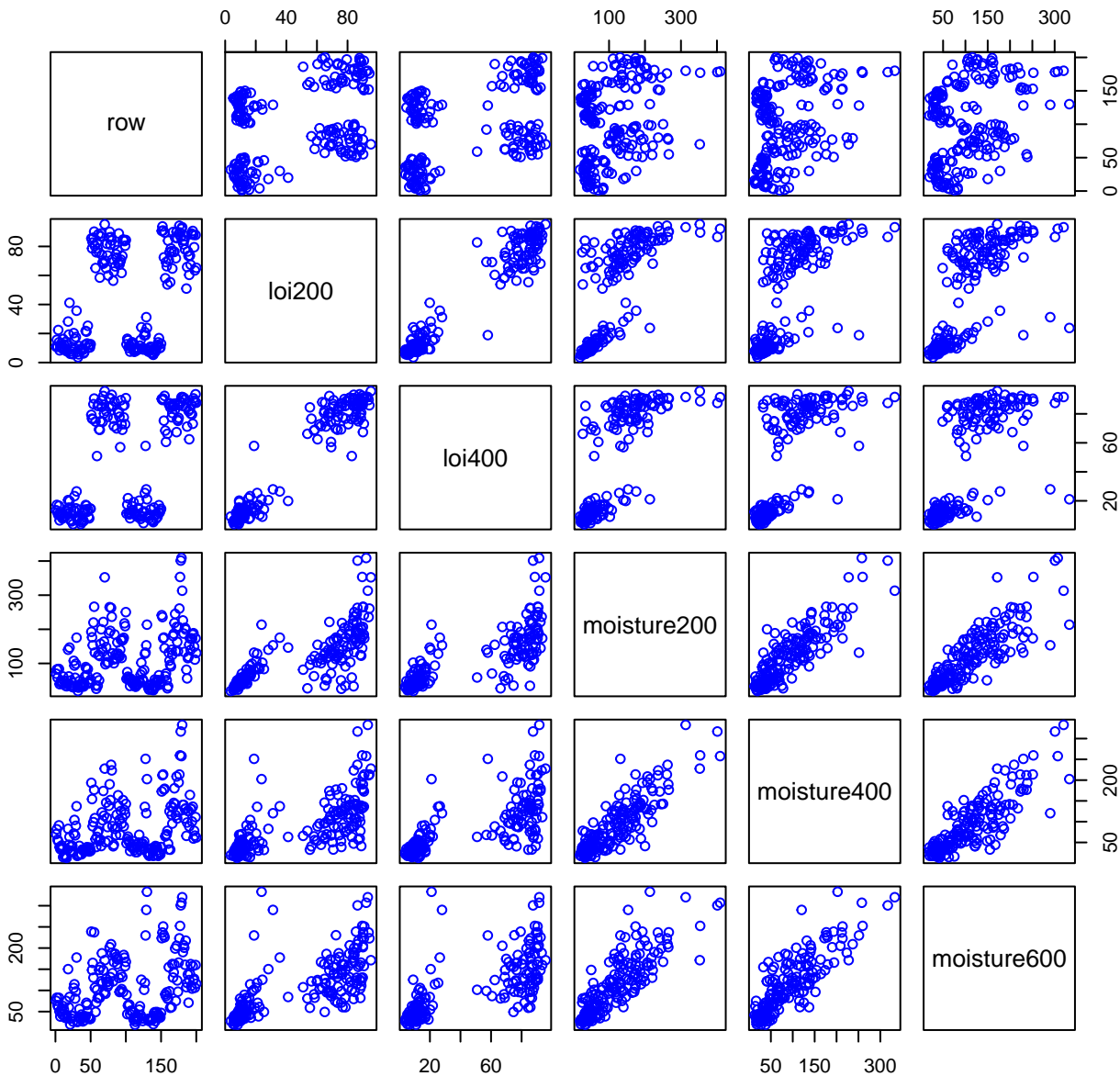
core600 = dry mass of soil fall collection core after it passed through No.3 $\frac{1}{2}$ sieve (gram)

waterph = pH of soil in water (1 g mineral soil: 4 mL water; 1 g forest floor:10 mL water) (number)

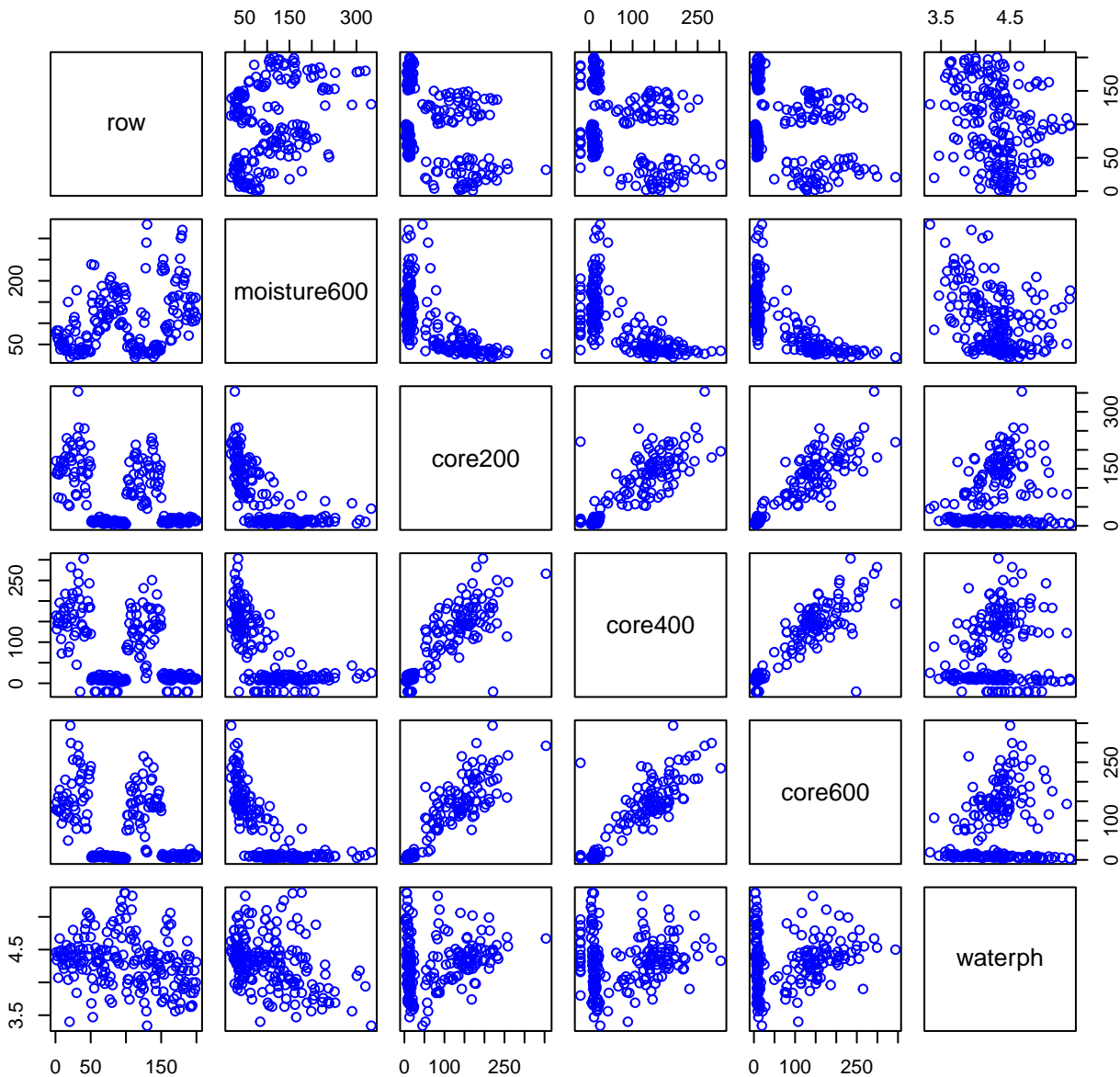
cacl2ph = pH of soil in 0.01 M CaCl₂ (1 g mineral soil: 4 mL CaCl₂; 1 g forest floor:10 mL CaCl₂) (number)

| Variable | Min | Median | Mean | Max | NAs |
|-------------|---------|--------|---------|---------|-----|
| loi200 | 3.640 | 46.060 | 45.048 | 95.270 | 2 |
| loi400 | 3.940 | 21.450 | 44.782 | 95.650 | 14 |
| moisture200 | 19.230 | 87.385 | 108.943 | 408.850 | 0 |
| moisture400 | 12.840 | 63.320 | 84.068 | 332.980 | 2 |
| moisture600 | 18.930 | 85.535 | 102.644 | 332.970 | 0 |
| core200 | 3.280 | 35.595 | 78.310 | 353.540 | 0 |
| core400 | -20.220 | 23.600 | 77.294 | 303.100 | 0 |
| core600 | 3.180 | 20.305 | 82.017 | 343.880 | 0 |
| waterph | 3.340 | 4.320 | 4.305 | 5.370 | 0 |
| cacl2ph | 2.740 | 3.610 | 3.618 | 5.270 | 1 |

HF082-03 Plot 1



HF082-03 Plot 2



HF082-03 Plot 3

