

Harvard Forest Data Archive HF113-24

Data File:

Name = hf113-24-hf-thermal.csv

Description = HF ant thermal tolerance

Rows = 232 Columns = 9

MD5 checksum = 19f9b7cba6c565fa94ccbb3ba82876fc

Variables:

thermal.tolerance = temperature at which ant lost muscle coordination or died (celsius)

length = body length, quantified as Weber's length (see Brown WL (1953) Revisionary studies in the ant tribe Dacetini. Am Midl Nat 50:1-137) (millimeter)

net.water.loss = grams water lost during thermal tolerance assay (gram)

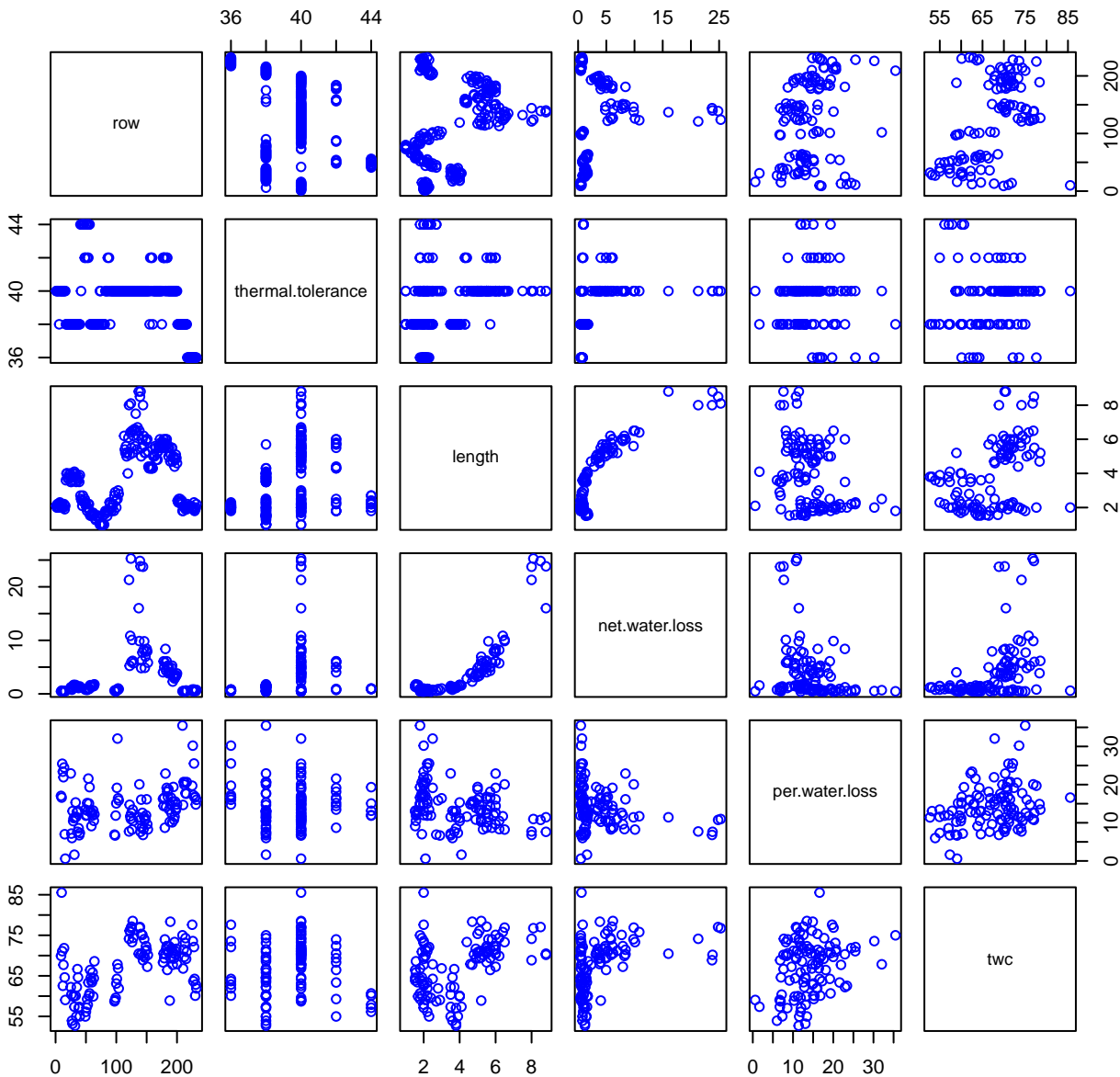
per.water.loss = percent water lost during thermal tolerance assay (dimensionless)

twc = total water content, calculated as $((\text{Live mass} - \text{Dry mass}) \times 100) / \text{Live mass}$ (see Schilman PE, Lighton JRB, Holway DA (2007) Water balance in the Argentine ant (*Linepithema humile*) compared with five common native ant species from southern California. *Physiol Entomol* 32 (1):1-7.) (dimensionless)

cwc = critical water content, calculated as $((\text{Mass at death} - \text{Dry Mass}) \times 100) / \text{Live mass}$ (see Schilman PE, Lighton JRB, Holway DA (2007) Water balance in the Argentine ant (*Linepithema humile*) compared with five common native ant species from southern California. *Physiol Entomol* 32 (1):1-7. (dimensionless)

Variable	Min	Median	Mean	Max	NAs
thermal.tole	36.000	40.000	39.437	44.000	1
length	1.000	3.250	3.596	8.800	8
net.water.lo	0.418	1.515	3.866	25.286	120
per.water.lo	0.600	13.360	14.275	35.470	120
twc	52.707	68.723	67.224	85.532	120
cwc	35.784	52.765	53.270	84.232	120

HF113-24 Plot 1



HF113-24 Plot 2

