Harvard Forest Data Archive HF439-01

Data File:

Name = hf439-01-site-data.csv
Description = forest edge site data
Rows = 40   Columns = 26
MD5 checksum = d5b3a79796097009b70a39d4803ef80a

Variables:

dfe = distance from forest edge (meter)
pct_C_mean = mean organic horizon soil % C for a given distance from
   the edge. Reflects measurements from 2 replicates (A & B) at each
   distance from the edge. (dimensionless)
pct_C_ste = standard error on the mean soil % C for a given distance
   from the edge. Reflects measurements from 2 replicates (A & B) at each
   distance from the edge. (dimensionless)
pH_mean = mean organic horizon soil pH for a given distance from the
   edge. Reflects measurements from 2 replicates (A & B) at each distance
   from the edge. (pH = -log10[H+]) (dimensionless)
pH_ste = standard error on the mean soil pH for a given distance
   from the edge. Reflects measurements from 2 replicates (A & B) at each
   distance from the edge. (dimensionless)
As_mg_kg_mean = mean organic horizon soil arsenic (As) for a given
   distance from the edge in mg per kg soil. Reflects measurements from 2
   replicates (A & B) at each distance from the edge. (dimensionless)
As_mg_kg_ste = standard error on the mean As for a given
   distance from the edge in mg per kg soil. Reflects measurements from 2
   replicates (A & B) at each distance from the edge. (dimensionless)
Pb_mg_kg_mean = mean organic horizon soil lead (Pb) for a given
   distance from the edge in mg per kg soil. Reflects measurements from 2
   replicates (A & B) at each distance from the edge. (dimensionless)
Pb_mg_kg_ste = standard error on the mean soil Pb for a given
   distance from the edge in mg per kg soil. Reflects measurements from 2
   replicates (A & B) at each distance from the edge. (dimensionless)
Ca_mg_kg_mean = mean organic horizon soil calcium (Ca) for a given
   distance from the edge in mg per kg soil. Reflects measurements from 2
   replicates (A & B) at each distance from the edge. (dimensionless)
Ca_mg_kg_ste = standard error on the mean soil Ca for a given
   distance from the edge in mg per kg soil. Reflects measurements from 2
   replicates (A & B) at each distance from the edge. (dimensionless)
Na_mg_kg_mean = mean organic horizon soil sodium (Na) for a given
   distance from the edge in mg per kg soil. Reflects measurements from 2
   replicates (A & B) at each distance from the edge. (dimensionless)
Na_mg_kg_ste = standard error on the mean soil Na for a given
   distance from the edge in mg per kg soil. Reflects measurements from 2
   replicates (A & B) at each distance from the edge. (dimensionless)
Mg_mg_kg_mean = mean organic horizon soil magnesium (Mg) for a given
   distance from the edge in mg per kg soil. Reflects measurements from 2
   replicates (A & B) at each distance from the edge. (dimensionless)

Mg_mg_kg_ste = standard error on the mean soil Mg for a given
   distance from the edge in mg per kg soil. Reflects measurements from 2
   replicates (A & B) at each distance from the edge. (dimensionless)
Sand_Pct_mean = mean mineral horizon soil sand content (%) for a
   given distance from the edge. Reflects measurements from 2 replicates
   (A & B) at each distance from the edge. (dimensionless)
Sand_Pct_ste = standard error on the mean soil sand content (%) for
   a given distance from the edge. Reflects measurements from 2
   replicates (A & B) at each distance from the edge. (dimensionless)
number_freeze_thaw_transitions = number of 24 h freeze-thaw
   transitions logged at a given distance from the edge from July 6, 2018 to
   November 22, 2019 (dimensionless)
num_days_frozen = number of days (24 h) frozen logged at a given
   distance from the edge from July 6, 2018 to November 22, 2019
   (dimensionless)
Soil_enzyme_PC1 = soil enzyme PC1 resulting from principle component
   analysis of mean potential EEA per g soil across sampling events
   (dimensionless)
Soil_enzyme_PC2 = soil enzyme PC2 resulting from principle component
   analysis of mean potential EEA per g soil across sampling events
   (dimensionless)
Resource_specific_PC1 = resource-specific enzyme PC1 resulting from
   principle component analysis of mean potential EEA per g soil organic
   matter (SOM) across sampling events (dimensionless)
Resource_specific_PC2 = resource-specific enzyme PC2 resulting from
   principle component analysis of mean potential EEA per g SOM across
   sampling events (dimensionless)

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Variable           Min         Median        Mean          Max          NAs
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dfe                0.000       30.000        39.000        90.000        0
pct_C_mean         6.529       23.418        23.113        46.991        0
pct_C_ste          0.079        1.784         2.758         8.920        1
pH_mean            3.535        4.165         4.264         5.615        0
pH_ste             0.005        0.147         0.215         0.970        0
As_mg_kg_mea       0.900        3.775         7.678        42.800        0
As_mg_kg_ste       0.000        0.575         2.002        19.700        0
Pb_mg_kg_mea      10.850      100.400       177.115       968.000        0
Pb_mg_kg_ste       0.150       15.200        44.090       555.000        0
Ca_mg_kg_mea     271.500      738.500      1045.850      4404.000        0
Ca_mg_kg_ste       1.000      207.500       304.282      1366.500        1
Na_mg_kg_mea      15.100       25.675        36.767       190.850        0
Na_mg_kg_ste       0.050        2.225         6.715        57.950        0
Mg_mg_kg_mea     302.500     1354.000      1257.763      2899.000        0
Mg_mg_kg_ste      11.500      136.250       170.963       476.500        0
Sand_Pct_mea      45.000       62.147        63.758        86.570        0
Sand_Pct_ste       0.333        2.943         4.421        23.691        7
number_freez       0.000        0.000         0.714         5.000       12
num_days_fro       0.000        0.000         1.571        16.000       12
Soil_enzyme_      -4.373        0.281         0.000         4.943        0
Soil_enzyme_      -2.714        0.164        -0.000         2.566        0
Resource_spe      -3.033       -0.374        -0.000         5.509        0
Resource_spe      -2.147       -0.053         0.000         2.432        0
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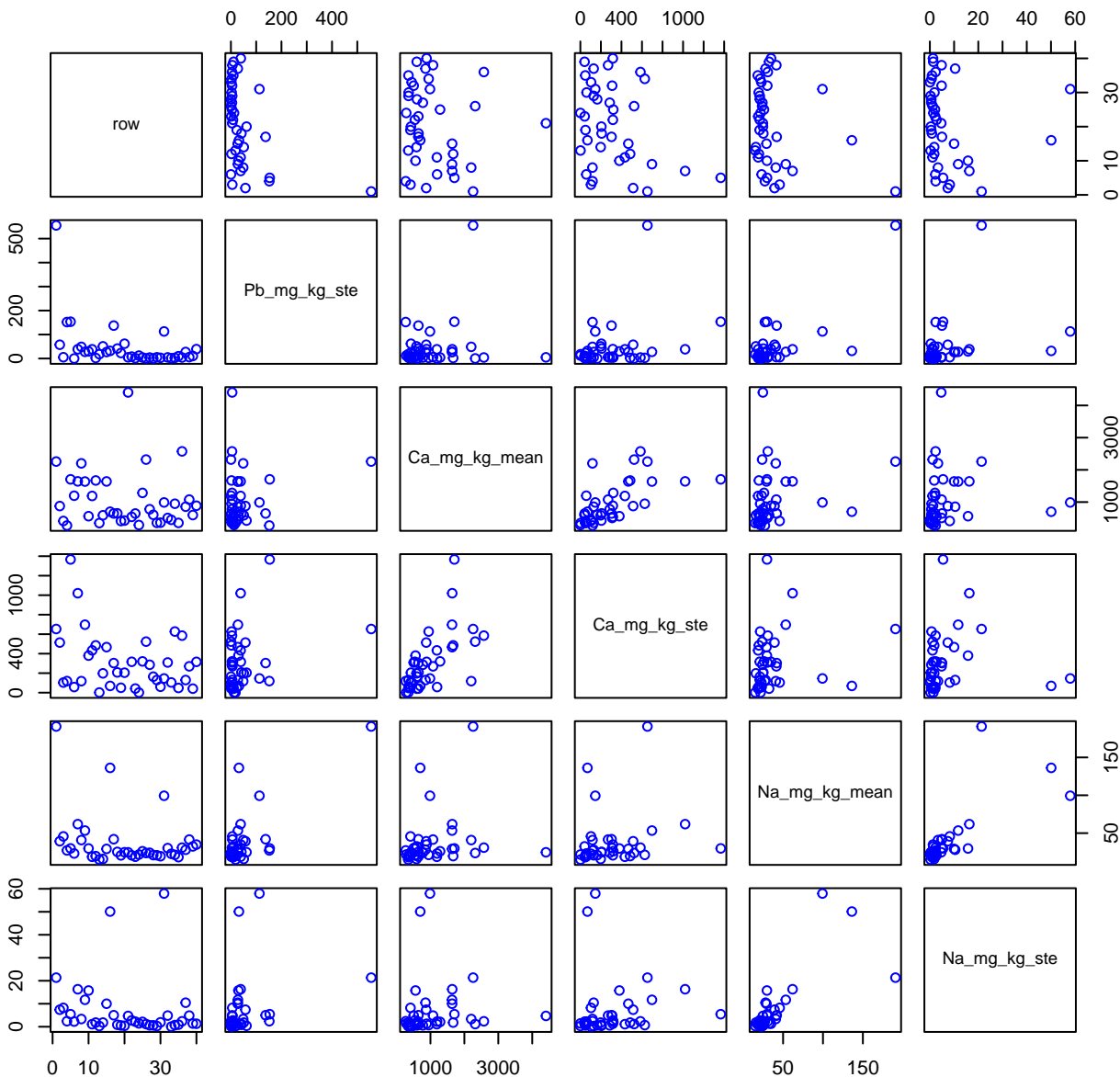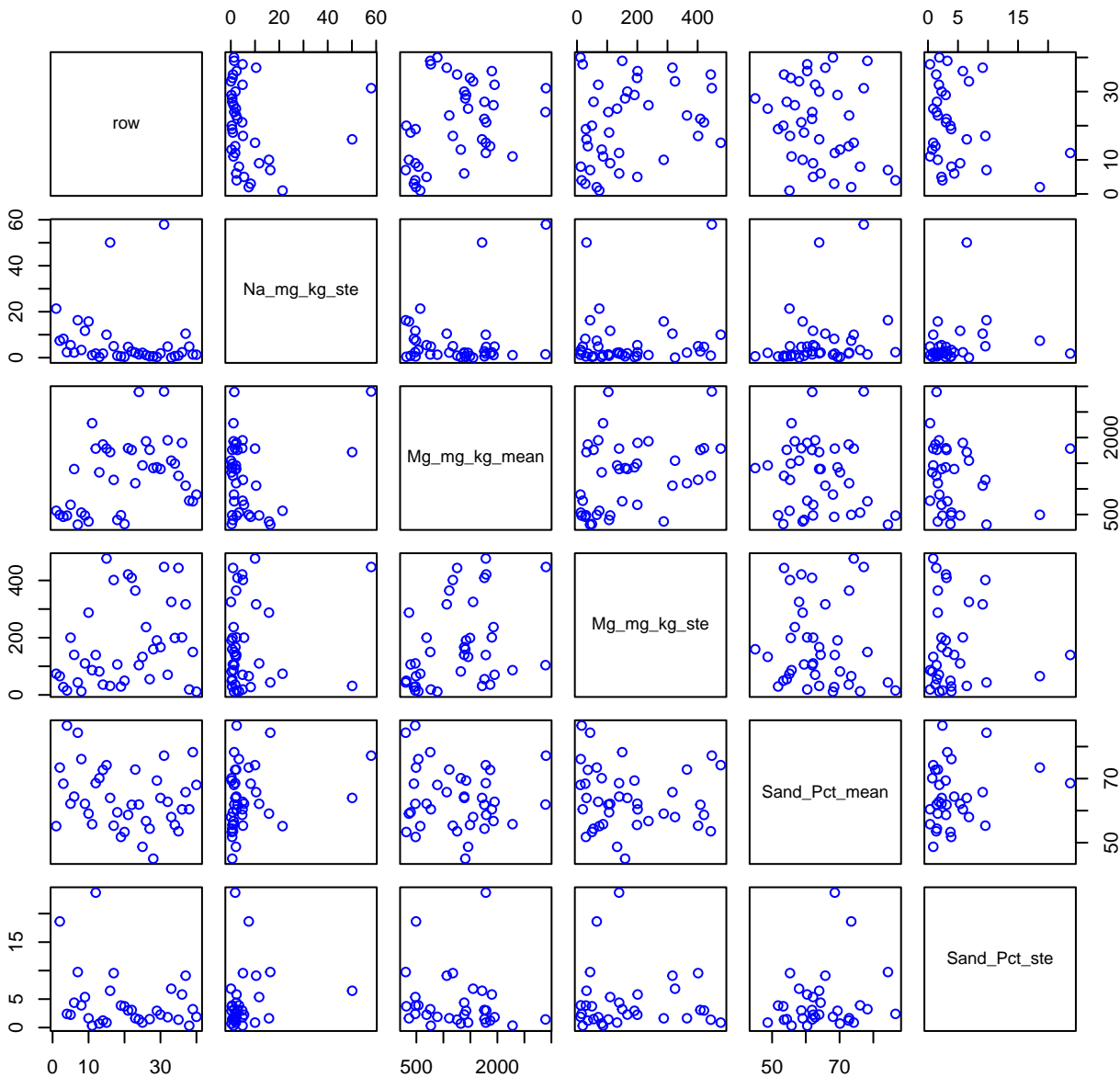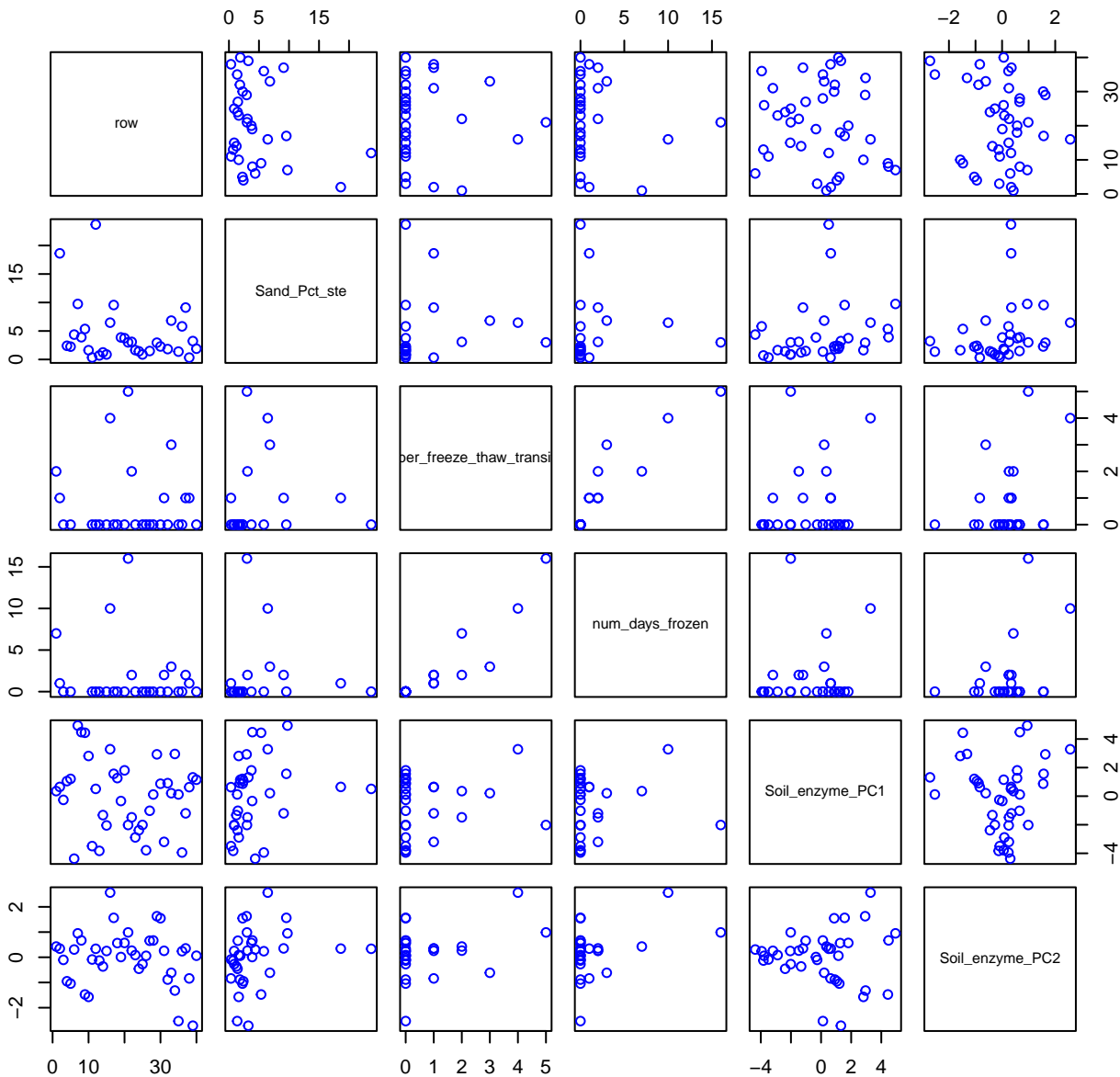
HF439−01 Plot 1
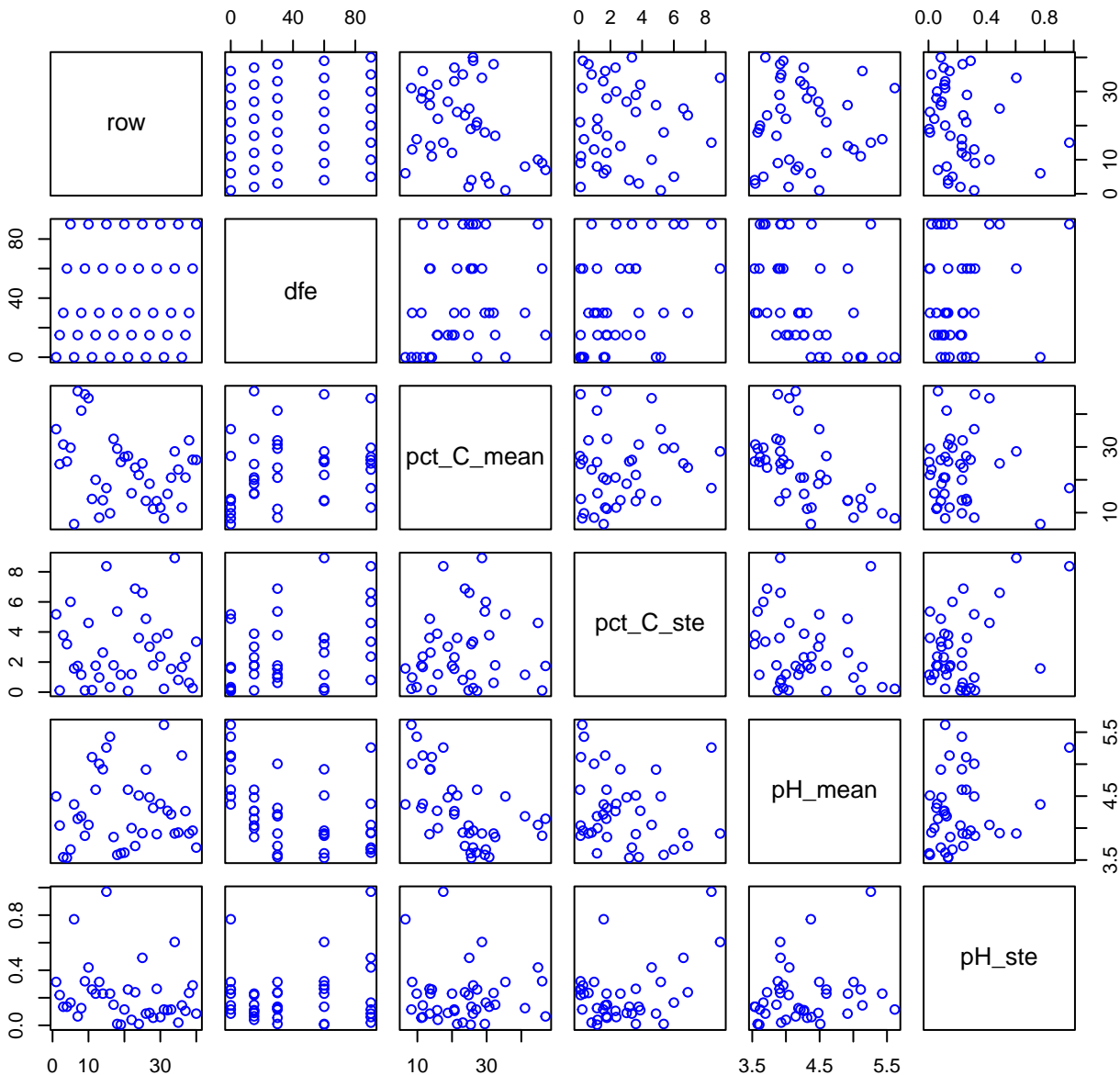
HF439-01 Plot 2
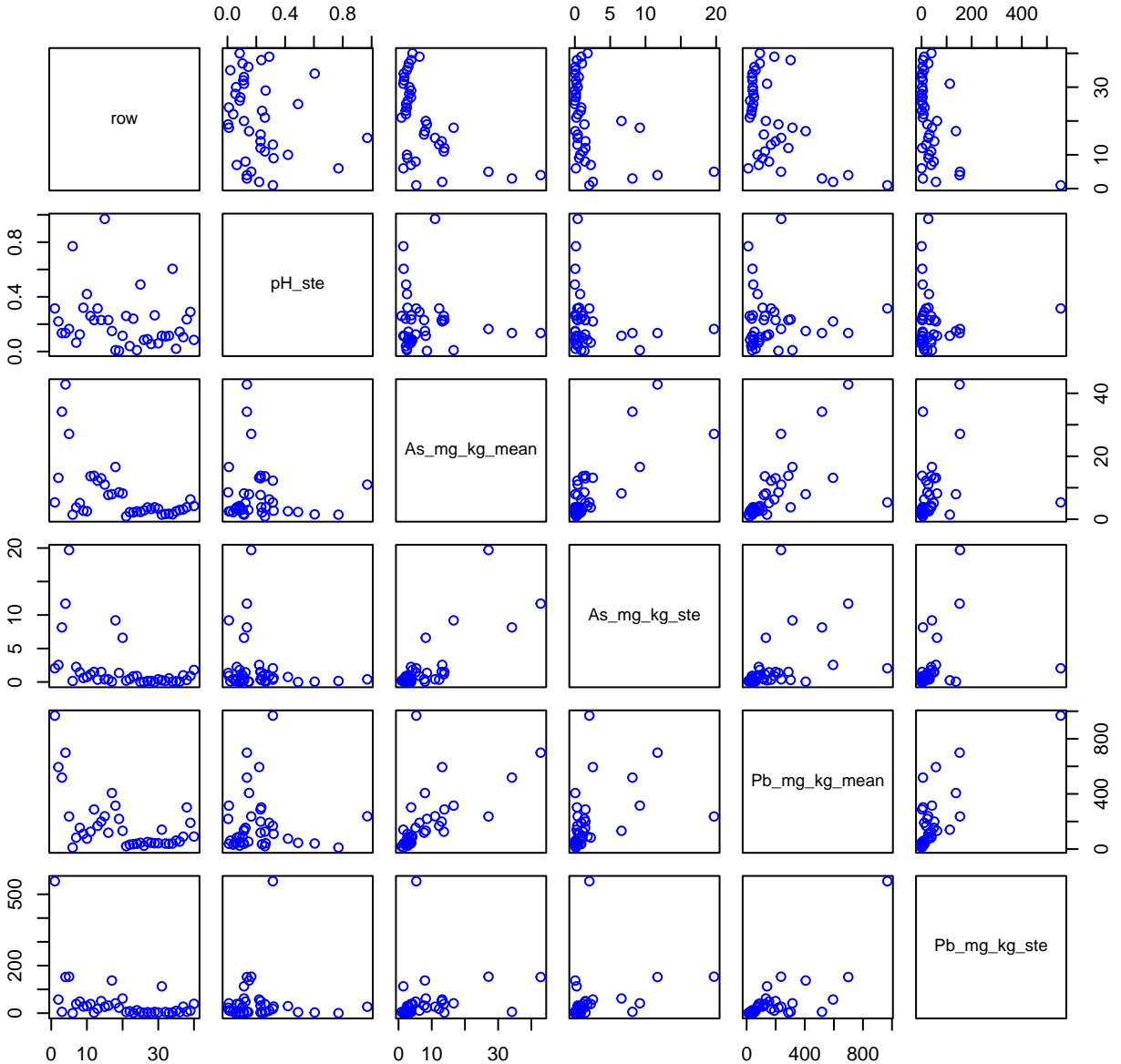
HF439–01 Plot 3

HF439–01 Plot 4

HF439–01 Plot 5

HF439−01 Plot 6