Harvard Forest Data Archive HF119-04

Data File:

Name = hf119-04-canopy-photos.csv
Description = canopy photos
Rows = 25  Columns = 11
MD5 checksum = 0d0eb18f886caac1d1460cf4eb435d93

Variables:

distance = location along transect in meters (meter)
gsf = estimated proportion of global radiation (direct plus diffuse) under a plant canopy relative to that in the open (number)
dsf = estimated proportion of direct solar radiation reaching a given location, relative to that in a location with no sky obstruction (number)
isf = estimated proportion of diffuse solar radiation reaching a given location, relative to a location with no sky obstruction (number)
tot.be = estimated total radiation below the canopy (megajoulePerMeterSquaredPerYear)
dir.be = estimated direct radiation below the canopy, corrected for interception surface orientation (megajoulePerMeterSquaredPerYear)
lai = estimated leaf area index for the entire canopy (number)
gnd.cover = estimated overall fraction of ground covered by canopy (number)
laid.ev = estimated uniformity of the canopy across the image (number)
threshold = user-specified value used to classify the image into black and white pixels (number)
<table>
<thead>
<tr>
<th>Variable</th>
<th>Min</th>
<th>Median</th>
<th>Mean</th>
<th>Max</th>
<th>NAs</th>
</tr>
</thead>
<tbody>
<tr>
<td>distance</td>
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<td>50.000</td>
<td>43.000</td>
<td>100.000</td>
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<tr>
<td>gsf</td>
<td>0.060</td>
<td>0.150</td>
<td>0.161</td>
<td>0.420</td>
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<tr>
<td>dsf</td>
<td>0.050</td>
<td>0.150</td>
<td>0.158</td>
<td>0.440</td>
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<td>isf</td>
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<td>0.176</td>
<td>0.310</td>
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<tr>
<td>tot.be</td>
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<td>1164.000</td>
<td>1260.000</td>
<td>3286.000</td>
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<tr>
<td>dir.be</td>
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<td>1069.400</td>
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<tr>
<td>lai</td>
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<td>gnd.cover</td>
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<td>140.560</td>
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</tr>
</tbody>
</table>
HF119–04 Plot 2

row

tot.be

dir.be

lai

gnd.cover

laid.ev
HF119–04 Plot 3

- **row**
- **dir.be**
- **lai**
- **gnd.cover**
- **laid.ev**
- **threshold**