

Data Overview

Response Variable:

- Tree_Type - the predominant tree type in that section (categorical)
 - 1: Spruce/Fir
 - 2: Lodgepole Pine
 - 3: Ponderosa Pine
 - 4: Cottonwood/Willow
 - 5: Aspen
 - 6: Douglas-fir
 - 7: Krummholz

Predictor Variables:

- Elevation - Elevation in meters
- Aspect - Aspect in degrees azimuth
- Slope - Slope in degrees
- hDist_Water - Horz Dist to nearest surface water features
- vDist_Water - Vert Dist to nearest surface water features
- hDist_Road - Horz Dist to nearest roadway
- shade_9am - (0 to 255 index) - Hillshade index at 9am, summer solstice
- shade_noon (0 to 255 index) - Hillshade index at noon, summer solstice
- shade_3pm (0 to 255 index) - Hillshade index at 3pm, summer solstice
- hDist_Fire - Horz Dist to nearest wildfire ignition points
- WA - wilderness area designation (categorical)
 - 1 - Rawah Wilderness Area
 - 2 - Neota Wilderness Area
 - 3 - Comanche Peak Wilderness Area
 - 4 - Cache la Poudre Wilderness Area
- ST - soil type designation (categorical)
 - 1 Cathedral family - Rock outcrop complex, extremely stony.
 - 2 Vanet - Ratake families complex, very stony.
 - 3 Haploborolis - Rock outcrop complex, rubbly.
 - 4 Ratake family - Rock outcrop complex, rubbly.
 - 5 Vanet family - Rock outcrop complex complex, rubbly.
 - 6 Vanet - Wetmore families - Rock outcrop complex, stony.
 - ~~7 Gothic family - (all 0's)~~
 - 8 Supervisor - Limber families complex.

- 9 Troutville family, very stony.
- 10 Bullwark - Catamount families - Rock outcrop complex, rubbly.
- 11 Bullwark - Catamount families - Rock land complex, rubbly.
- 12 Legault family - Rock land complex, stony.
- 13 Catamount family - Rock land - Bullwark family complex, rubbly.
- 14 Pachic Argiborolis - Aquolis complex.
- ~~- 15 unspecified in the USFS Soil and ELU Survey: (all 0's)~~
- 16 Cryaquolis - Cryoborolis complex.
- 17 Gateview family - Cryaquolis complex.
- 18 Rogert family, very stony.
- 19 Typic Cryaquolis - Borohemists complex.
- 20 Typic Cryaquepts - Typic Cryaquolls complex.
- 21 Typic Cryaquolls - Leighcan family, till substratum complex.
- 22 Leighcan family, till substratum, extremely bouldery.
- 23 Leighcan family, till substratum - Typic Cryaquolls complex.
- 24 Leighcan family, extremely stony.
- 25 Leighcan family, warm, extremely stony.
- 26 Granile - Catamount families complex, very stony.
- 27 Leighcan family, warm - Rock outcrop complex, extremely stony.
- 28 Leighcan family - Rock outcrop complex, extremely stony.
- 29 Como - Legault families complex, extremely stony.
- 30 Como family - Rock land - Legault family complex, extremely stony.
- 31 Leighcan - Catamount families complex, extremely stony.
- 32 Catamount family - Rock outcrop - Leighcan family complex, extremely stony.
- 33 Leighcan - Catamount families - Rock outcrop complex, extremely stony.
- 34 Cryorthents - Rock land complex, extremely stony.
- 35 Cryumbrepts - Rock outcrop - Cryaquepts complex.
- 36 Bross family - Rock land - Cryumbrepts complex, extremely stony.
- 37 Rock outcrop - Cryumbrepts - Cryorthents complex, extremely stony.
- 38 Leighcan - Moran families - Cryaquolls complex, extremely stony.
- 39 Moran family - Cryorthents - Leighcan family complex, extremely stony.
- 40 Moran family - Cryorthents - Rock land complex, extremely stony.