**Forest Cover**

Type Dataset Codebook This dataset contains tree observations from four areas of the Roosevelt National Forest in Colorado. All observations are cartographic variables (no remote sensing) from 30-meter by 30-meter sections of forest. There are over half a million measurements total!

**Content**

This dataset includes information on tree type, shadow coverage, distance to nearby landmarks (roads), soil type, and local topography.

**Column Description**

1. Elevation: Elevation in meters

2. Aspect: Aspect in degrees azimuth

3. Slope: Slope in degrees

4. Horizontal\_Distance\_To\_Hydrology: Horizontal distance to nearest surface water features

5. Vertical\_Distance\_To\_Hydrology: Vertical distance to nearest surface water features

6. Horizontal\_Distance\_To\_Roadways: Horizontal distance to nearest roadway

7. Hillshade\_9am: Hill shade index at 9am, summer solstice. Value out of 255

8. Hillshade\_Noon: Hill shade index at noon, summer solstice. Value out of 255

9. Hillshade\_3pm: Hill shade index at 3pm, summer solstice. Value out of 255

10. Horizontal\_Distance\_To\_Fire\_Points: Horizontal distance to nearest wildfire ignition points 11. Wilderness\_Area1

12. Wilderness\_Area2

13. Wilderness\_Area3

14. Wilderness\_Area4

15. Soil\_Type1

16. Soil\_Type2

17. Soil\_Type3

18. Soil\_Type4

19. Soil\_Type5

20. Soil\_Type6

21. Soil\_Type7

22. Soil\_Type8

23. Soil\_Type9

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51. Soil\_Type37

52. Soil\_Type38

53. Soil\_Type39

54. Soil\_Type40 55. Cover\_Type: Forest Cover Type designation. Integer value between 1 and 7, with the following key:

1. Spruce/Fir

2. Lodgepole Pine

3. Ponderosa Pine

4. Cottonwood/Willow

5. Aspen

6. Douglas-fir

7. Krummholz

**Reference**

Kaggle. November 3, 2016. Forest cover type dataset. Retrieved from https://www.kaggle.com/uciml/forest-cover-type-dataset