

# FOREST COVER TYPE

ROOSEVELT NATIONAL FOREST IN COLORADO



# FOREST COVER TYPE

- Local Topography
- Shadow Coverage
- Distance to Landmarks
- Soil Type
- Tree Type



# FOREST COVER TYPE

- Wilderness Area
- Soil Type

Feature Name	Names
Wilderness_Area1	Rawah Wilderness Area
Wilderness_Area2	Neota Wilderness Area
Wilderness_Area3	Comanche Wilderness Area
Wilderness_Area4	Cache La Poudre Wilderness Area
Soil_Type1	Cathedral family - Rock outcrop complex, extremely stony
Soil_Type2	Vanet - Ratake families complex, very stony
Soil_Type3	Haploborolis - Rock outcrop complex, rubbly
Soil_Type4	Ratake family - Rock outcrop complex, rubbly
Soil_Type5	Vanet family - Rock outcrop complex, rubbly
Soil_Type6	Vanet - Wetmore families - Rock outcrop complex, stony
Soil_Type7	Gothic family
Soil_Type8	Supervisor - Limber families complex
Soil_Type9	Troutville family, very stony
Soil_Type10	Bullwark - Catamount families - Rock outcrop complex, rubbly
Soil_Type11	Bullwark - Catamount families - Rock land complex, rubbly
Soil_Type12	Legault family - Rock land complex, stony
Soil_Type13	Catamount family - Rock land - Bullwark family complex, rubbly
Soil_Type14	Pachic Argiborolis - Aquolis complex
Soil_Type15	unspecified in the USFS Soil and ELU Survey
Soil_Type16	Cryaquolis - Cryoborolis complex
Soil_Type17	Gateview family - Cryaquolis complex
Soil_Type18	Rogert family, very stony
Soil_Type19	Typic Cryaquolis - Borohemists complex
Soil_Type20	Typic Cryaquepts - Typic Cryaquolls complex
Soil_Type21	Typic Cryaquolls - Leighcan family, till substratum complex
Soil_Type22	Leighcan family, till substratum, extremely bouldery
Soil_Type23	Leighcan family, till substratum, - Typic Cryaquolls complex.
Soil_Type24	Leighcan family, extremely stony
Soil_Type25	Leighcan family, warm, extremely stony
Soil_Type26	Granile - Catamount families complex, very stony
Soil_Type27	Leighcan family, warm - Rock outcrop complex, extremely stony
Soil_Type28	Leighcan family - Rock outcrop complex, extremely stony
Soil_Type29	Como - Legault families complex, extremely stony
Soil_Type30	Como family - Rock land - Legault family complex, extremely stony
Soil_Type31	Leighcan - Catamount families complex, extremely stony
Soil_Type32	Catamount family - Rock outcrop - Leighcan family complex, extremely stony
Soil_Type33	Leighcan - Catamount families - Rock outcrop complex, extremely stony
Soil_Type34	Cryorthents - Rock land complex, extremely stony
Soil_Type35	Cryumbrepts - Rock outcrop - Cryaquepts complex
Soil_Type36	Bross family - Rock land - Cryumbrepts complex, extremely stony
Soil_Type37	Rock outcrop - Cryumbrepts - Cryorthents complex, extremely stony
Soil_Type38	Leighcan - Moran families - Cryaquolls complex, extremely stony
Soil_Type39	Moran family - Cryorthents - Leighcan family complex, extremely stony
Soil_Type40	Moran family - Cryorthents - Rock land complex, extremely stony

## FOREST COVER TYPE

- Wilderness Area
  - #1 - Rawah
  - #3 - Comanche Peak



# FOREST COVER TYPE

- Soil Type
  - #29 - Como
  - #23 - Leighcan family
  - #32 - Leighcan
  - #33 - Cryorthents
  - #22 - Leighcan



# FOREST COVER TYPE

- Cover Type
  - Spruce/Fir
  - Lodgepole Pine
  - Ponderosa Pine
  - Cottonwood/Willow
  - Aspen
  - Douglas-Fir
  - Krummholz

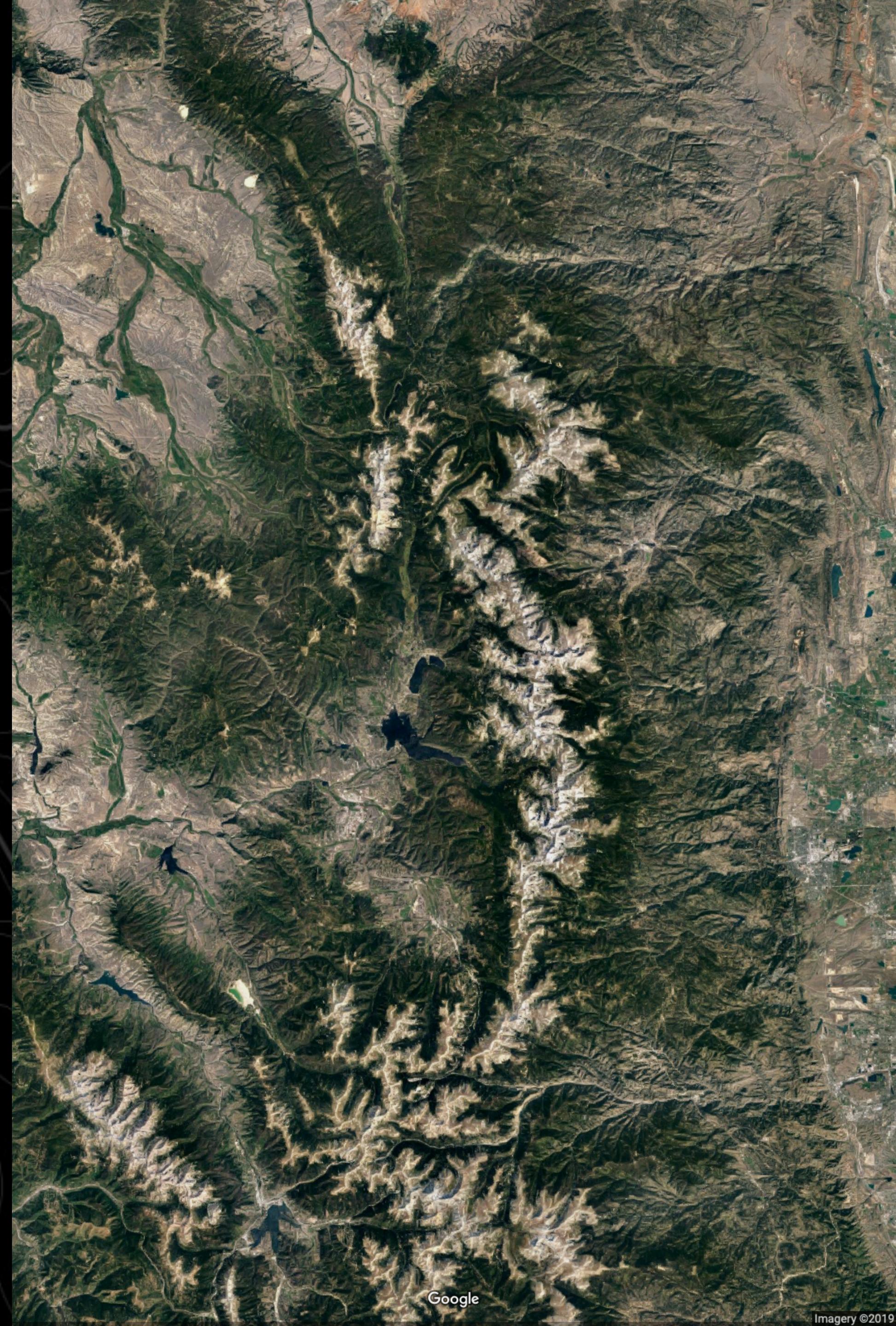


# FOREST COVER TYPE

- 20 Measurements
  - Local Topography
  - Shadow Coverage
  - Distance to Landmarks
  - Soil Type

- Prediction accuracy:

**>90%**



# FOREST COVER TYPE

## Recommendation

- Forestry
- Agriculture/Farming
- Gardening



# FOREST COVER TYPE

## Recommendation

- Scale Features using StandardScaler, MinMaxScaler and Normalizer
- Statistical Feature Exploration

