



Mineral classification - Random Forest (Test Set)

N.Samples = 300 for each group, N.Trees = 150, 70-30% split, 5-fold, Accuracy: 100%

					100, 10 00 % op.i.i,													
	ZIRCON •	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Prediction	TITANITE •	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	SULFIDE •	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	SPINEL •	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	QUARTZ •	0.01	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	PYROXENE •	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	PEROVSKITE •	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	OLIVINE -	0	0	0	0	0	0	0	0	0	0.99	0	0	0	0	0	0	0
	MICA -	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	ILMENITE -	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	GARNET -	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	FELDSPATHOID •	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	FELDSPAR -	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	CLAY -	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	CARBONATE -	0	0	1	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0
	APATITE •	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	AMPHIBOLES •	0.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		AMPHIBOLES -	APATITE -	CARBONATE -	- CLAY	FELDSPAR -	FELDSPATHOID -	GARNET -	ILMENITE	MICA-	OLIVINE	PEROVSKITE -	PYROXENE -	QUARTZ -	SPINEL	SULFIDE	TITANITE	ZIRCON
									D -	E								

Reference